

COMMENCEMENT



MASSACHUSETTS INSTITUTE OF TECHNOLOGY

ONLINE CELEBRATION PROGRAM
HONORING THE GRADUATES OF 2021
FRIDAY, JUNE 4, 2021



WELCOME

A warm welcome to MIT Commencement 2021! In celebrating our graduates, we also honor their incredible courage and resilience in persevering through a year of intense disruptions and all the burdens of the pandemic. And we extend our deepest thanks to their families and friends, whose love, inspiration, and encouragement carried our students to this important moment.

Today's graduates will join a global family of more than 143,000 MIT alumni around the world. Across time and across distance, MIT is a community held together by profound values: The ideals of excellence, integrity, meritocracy, and openness. A passion for solving tough problems. A commitment to take the high road. And a rare set of skills that can be applied in countless ways to serve the common good.

As we congratulate our new graduates on all they have accomplished, we dream of the wiser and kinder world they can help create.

L. Rafael Reif
President

Photos
Cover: Andy Ryan
Above: Christopher Harting

CONTENTS

- ii Order of the Program

BACHELOR OF SCIENCE DEGREE RECIPIENTS

- 1 School of Architecture and Planning
- 2 School of Engineering
- 16 School of Humanities, Arts, and Social Sciences
- 17 Sloan School of Management
- 18 School of Science

MASTER'S DEGREE RECIPIENTS

- 23 School of Architecture and Planning
- 29 MIT Schwarzman College of Computing
- 31 School of Engineering
- 54 School of Humanities, Arts, and Social Sciences
- 56 Sloan School of Management
- 69 School of Science
- 70 Woods Hole Oceanographic Institution

DOCTORAL DEGREE RECIPIENTS

- 71 School of Architecture and Planning
- 73 MIT Schwarzman College of Computing
- 74 School of Engineering
- 87 School of Humanities, Arts, and Social Sciences
- 89 Sloan School of Management
- 91 School of Science
- 97 Woods Hole Oceanographic Institution
- 98 Military Commissions
- 99 Index of Degree Recipients

ORDER OF THE PROGRAM

OPENING

DIARY OF A PANDEMIC YEAR
Composed by Jamshied Sharifi '83

Conducted by Frederick E. Harris, Jr.

Lyrics based on poetry by Sophia D-G '22; Patricia Gao '21; Cynthia Hua, Affiliated Research Assistant, Media Arts and Sciences; Moana Minton Meadow '02; Maisha M. Prome '21; and Kareena Villalobos '22

Poetry compiled and edited by Erica Funkhouser, MIT Comparative Media Studies/Writing

Performed by
MIT Wind Ensemble & MIT Festival Jazz Ensemble
Frederick E. Harris, Jr., Music Director
MIT Symphony Orchestra
Adam K. Boyles, Music Director
MIT Concert Choir
William Cutter, Music Director
MIT Vocal Jazz Ensemble
Laura Grill Jaye, Music Director
Rambax MIT
Lamine Touré, Music Director

With students from
The Chorallaries of MIT
The MIT Logarithms
MIT Syncopasian
The MIT Asymptones
MIT Resonance

WELCOME

Diane B. Greene SM '78
Chair, MIT Corporation

INVOCATION

Reverend Thea Keith-Lucas
Interim Chaplain to the Institute

COMMENCEMENT ADDRESS

Bryan Stevenson
*Founder and Executive Director,
Equal Justice Initiative*

ONLINE

DOWNLOADS

The MIT Parents Association invites you to celebrate the graduates of 2021 with its [Commencement Party Kit](#). The kit includes downloadable party decorations, Zoom backgrounds, music, a discount code to the COOP, and more, courtesy of the MIT Alumni Association.

SOCIAL MEDIA

Tag your social media posts with #MIT2021. Connect on Twitter (@MIT, @MITCommencement, @MITStudents, @MIT_Alumni), Instagram (MITpics, MITStudents, MITAlumni), and Facebook (Facebook.com/MITnews, Facebook.com/MITAA). Go to socialmediahub.mit.edu to experience the day through MIT social media accounts.

VIRTUAL PHOTO BOOTH

Celebrate Commencement with a photo "at" an iconic campus location: the [virtual photo booth](#) interface will walk you through taking a selfie, adding a background and stickers, and sharing your photo with friends and family.

The virtual photo booth can be accessed via any device with a camera: computer, tablet, or smart phone; no application download necessary. It will be available until 12 noon EDT on June 18.

INFINITE THANKS

To the speakers, musicians, hosts, planners, producers, and all who applied mind, hand, and heart to the creation of Commencement 2021. Credits, acknowledgments, and video from today's proceedings are available online: commencement.mit.edu

SCHOOL OF ARCHITECTURE AND PLANNING

Bachelor of Science in Architecture

Course IV

Department of Architecture

Caleb Akoto Amanfu

Also with a Major in Course II-A

Jacqueline S. Chen

Daniel K. Landez

Also with a Major in Course XXI-M

Dong Nyung Lee

Jaime Nat Osuna

Also with a Major in Course XXI

Vanessa T. Pipitone

Minor in Environment and Sustainability

Yi Yang

Bachelor of Science in Art and Design

Course IV-B

Department of Architecture

Alejandro Gonzalez Placito

(February, 2021)

Seo Yeon Kwak

Clare Liu

Minor in Computer Science

Bachelor of Science in Planning

Course XI

Department of Urban Studies and Planning

Tracy Denise Sorto

Miriam Imani Wahid

Also with a Major in Course XXI-W

Bachelor of Science in Urban Science and Planning with Computer Science

Course XI-6

Department of Urban Studies and Planning

Avital Vainberg

SCHOOL OF ENGINEERING

Bachelor of Science in Civil Engineering

Course I-C

Department of Civil and Environmental Engineering

Constantinos Tsoucalas

Sabrina J. Madera
Minor in Architecture

Dani Gonzalez
Minor in Biomedical Engineering

Adelynn H. Paik

Darya C. Guettler
Also with a Major in Course XVII

Zachary T. Roberts
Minor in Statistics and Data Science

Maxwell E. Halkenhauser

Alexandra Carolina Rodríguez

Matthew S. Hambacher
Minor in Computer Science

Chiharu Chelsea Watanabe
Minor in Finance

Laura Y. Huang

Claire L. Yost
Minor in Environment and Sustainability

Shantanu S. Jakhete
Minor in Political Science

Bachelor of Science in Mechanical Engineering

Course II

Department of Mechanical Engineering

Jacynth Tate Y. Agraan

Minsu Jung

Alex Aguilar
(September, 2020)

Sheila Kennedy-Moore
Minor in Environment and Sustainability

Salem J. Ali
(February, 2021)

Melissa Agnes Klein
Also with a Major in Course XXI-M

Kailey A. Allen

Flora M. Klise

Thomas B. Allison

Benjamin C. Koenig

Marcus M. Badgett

Zachery Wolfgang Kutschke
(February, 2021)

Andrew Barron Callahan

Sandra Li
Minor in Design
(February, 2021)

Manuel Alejandro Encinas Maqueda
Minor in Energy Studies

Cole R. Linnus

Annetoinette O. Figueroa

Hannah Karin Mahaffey
Minor in Economics

Audrey Charlotte Gaither

Kai P. Maier
Minor in Computer Science

Samuel J. Gantman

Charlotte Anderson Maloney
Minor in Comparative Media Studies

Armando J. Garcia

Garrett Memoli

Isabella M. Montanaro
(February, 2021)

Cyanna Maria Veronica Moody

Peter A. Duff
(February, 2021)

Kayleigh Simone Dugas
Minor in Women's and Gender Studies

Rayna C. Higuchi

Claire Elizabeth Holley
Minor in Architecture
(See also M.Eng., Course I-P)

Magreth D. Kakoko

Jarek Vincent Kwiecinski

Alejandra M. Navarro Reyes	Bachelor of Science in Mechanical and Ocean Engineering Course II <i>Department of Mechanical Engineering</i>	Emily Miller-Larabee Colby
Abdalla O. Osman Minor in Energy Studies		Orisa Z. Coombs Minor in Entrepreneurship & Innovation
Nisal H. Ovitigala		Daysia V. Douglas
Joushua G. Padilla		Gabrielle Karen Enns
Arnav Y. Patel Minor in Energy Studies	Anthony C. Kriezis Also with a Major in Course XIV-2 Minor in Computer Science	Megan Camille Flynn
Anupama Phatak Minor in Economics	Alejandro Andrés Miranda Lastra	Qiyun Gao Minor in Computer Science
Max M. Raven Minor in Management	Bachelor of Science in Engineering as recommended by the Department of Mechanical Engineering Course II-A <i>Department of Mechanical Engineering</i>	Gabriella Garcia (February, 2021)
Rolando Rodarte Minor in Biology Minor in Energy Studies (February, 2021)		Amanda N. Garofalo (February, 2021)
Alexander J. Salisbury	Hannah Elizabeth Adams Minor in Computer Science	Aaron Andres Garza Minor in Computer Science
Swochchhanda Shrestha Minor in Environment and Sustainability	Thomas O. Adebisi Minor in Design	Caela Gabrielle Gomes (September, 2020)
Robert S. Silvestri	Luisa Fernanda Apolaya Torres Minor in Theater Arts	Daniel E. González Díaz
Emily Irene Skilling Minor in Design	Benjamin L. Bennington (February, 2021)	Nicole Michelle Goridkov
Carmen Mary Sleight	Smita Bhattacharjee Minor in Entrepreneurship & Innovation Minor in International Development	Miki O. Hansen
Margaret E. Sullivan (February, 2021)	Roberto A. Bolli, Jr. Also with a Major in Course VI-7	Milo J. Hooper
Jonathan N. Tagoe	Courtney Elizabeth Byrne	Johnson Nam Huynh Minor in Materials Science and Engineering
Sachin Thapa	Geneva M. Casalegno Minor in Environment and Sustainability	Sridevi Kaza
Jimmy T. Tran Minor in Economics	Hunter K. Celio	Emma Rosz Kelley
Anthony T. Troupe	Jenny Chan	Pedro Leandro La Rotta Nuñez
Alyssa A. Wells-Lewis Minor in Music	George Chunfeng Chen Minor in Computer Science	Lani Dakyoung Lee Minor in Music
	Lucy Seokyung Cho	G. Casimir Lesperance
		Cecilia Alessandra Luna
		Uriel Magana-Salgado

Scott B. Mandelbaum
(February, 2021)

Jose A. Martinez

Antonella Masini Ortiz

Rebecca G. McCabe

Zion M. Moore
Minor in Theater Arts
(February, 2021)

Branden J. Morioka
(February, 2021)

Chloe Alexandra Nelson-Arzuaga
Also with a Major in Course IV-B

Emily Niu
Minor in Economics

Joyce Noh

David I. Onyemelukwe
Minor in Theater Arts
(September, 2020)

Isioma Osobor
Minor in Management
Minor in Literature

Joshen P. Patel
Minor in Finance

Jadorian J. Paul
(February, 2021)

Rosalie C. Phillips
Minor in Design

Francisco A. Pineda
(September, 2020)

Elim D. Poon
Minor in Computer Science

Tyler D. Ray

Rima Rebei

Rostam Matthew Reifschneider

Alexandra Marie Reinhart

Elizabeth Murphy Rickeman
Minor in Statistics and Data Science

Benjamin Rodriguez
Minor in Computer Science

Brittany Lauren Sacks
(February, 2021)

Jason G. Santillan Fausto
Minor in Computer Science

Christian Cody Schillinger

Gabriel M. Scimeme
(February, 2021)

Miana Mae Chi Smith
(February, 2021)

Antoni A. Soledad

Varsha R. Sridhar

Hayden Woods Stalter

Jordan Lawrence Tappa
Minor in Theater Arts
Minor in Design

Riley K. Terando

Gabriel A. Terrasa, Jr.
Also with a Major in Course XXI-M

Max T. Thomsen

Sebastian L. Uribe

Aline A. Vargas Manriquez
(February, 2021)

Leah M. Vogel

Catherine Grace Waft

Sebastien X. Wah

Jessica C. Wang
(February, 2021)

Wenhai Wang

Xiqing Wang
(February, 2021)

Jessica E. Xu

Jessica J. Yen
(February, 2021)

Jiaheng Zhang

Willie Zhu

Bachelor of Science in Materials

Science and Engineering

Course III

*Department of Materials Science
and Engineering*

Abdulmalik Alghonaim

Adira Tova Yermish Balzac

Clio Batali

Minor in History of Architecture, Art and
Design
Minor in Chemistry

Richard D. Colwell

Minor in Environment and Sustainability

Tyler James Curry

Christopher M. Eschler
Minor in Energy Studies

Alexander Laurence Evenchik

Minor in Biology
Minor in Chinese

Autumn R. L. Geil

Minor in Music

Eryn M. Gillam

Danielle N. Grey-Stewart
(February, 2021)

Emma L. Griffiths

Spencer Hu

Nicholas Domingo Ignacio

Grace C. Moore
(February, 2021)

Richard A. Osterude Rey
Minor in Computer Science

Rahul Ramakrishnan
(February, 2021)

Ella Vivian Richards
(February, 2021)

Mathew J. Suazo
(February, 2021)

Ava W. Waitz
Minor in Energy Studies

Bachelor of Science as recommended by the Department of Materials Science and Engineering
Course III-A
Department of Materials Science and Engineering

Lauren C. Cooper
Also with a Major in Course VIII

Alby John Joseph
Also with a Major in Course V

Anders Nicholas Khaykin
Also with a Major in Course XIV-1
Minor in Finance

James Yosef Philips
Minor in Asian and Asian Diaspora Studies

Tafisia S. Shikdar
Minor in Political Science
(February, 2021)

Bachelor of Science in Electrical Science and Engineering
Course VI-1
Department of Electrical Engineering and Computer Science in conjunction with the Schwarzman College of Computing

Thomas P. Benavides

Jack Bouhanna
Also with a Major in Course XXI-M

Colin Paul Chaney

Samuel B. Chinnery

Jackson M. Gray

Jose C. Guajardo

Petra-Juliah Evelyn Hernandez

Nancy Yahel Hidalgo

Brandon V. John
(February, 2021)

Jaeyoung Jung
Minor in Mechanical Engineering

Mario A. Lopez
(February, 2021)

Ryan H. Mansilla
Minor in French

Brandon T. Motes

Elaine Ng
Also with a Major in Course VIII

Victor C. Oliveira

Stuart Dillon Powell

Luke Qi
Also with a Major in Course VIII

James Edwin Quigley
Minor in Chinese
(February, 2021)

Erick Rodriguez
(February, 2021)

Osvy Rodriguez

Bradley Alan Seymour
Minor in History
(February, 2021)

Lara E. Shonkwiler

Andrew M. Sorenson
Also with a Major in Course VIII

Charles Wang
Also with a Major in Course VIII
Minor in Economics
Minor in Mathematics

Mikael M. Yunus
Also with a Major in Course VIII
Minor in Mathematics
Minor in Music
(February, 2021)

Bachelor of Science in Electrical Engineering and Computer Science

Course VI-2

Department of Electrical Engineering and Computer Science in conjunction with the Schwarzman College of Computing

Liam J. Ackerman

Connor W. Anderson

Ashay Athalye
Also with a Major in Course XIV-1
Minor in Mechanical Engineering

Amadou Yaye Bah

Mohamadou Bella Bah
(February, 2021)

Parker Jansen Bass
Minor in Anthropology

Nicholas Ryan Bonaker

Scott G. Bowman
Minor in Economics

Kye Burchard
(February, 2021)

Sharon V. Chao

Wei-Tung Chen

Jeana Choi
Minor in Music
(February, 2021)

Isabelle Paris Chong Minor in Literature (February, 2021)	Roberto Gauna Also with a Major in Course VIII	Sabrina Liu Minor in Music
Cecelia C. Chu (February, 2021)	Enriko K. Granadoz Chavez	Brooke Chelsea McGoldrick (September, 2020)
Manning Chuor Also with a Major in Course VIII Minor in Mathematics	Zackary J. Gromko Also with a Major in Course VIII Minor in Mathematics	Rachel T. McIntosh Minor in Women's and Gender Studies
Braden Noah Cook	Joshua A. Gruenstein (February, 2021)	Charity M. Midenyo (February, 2021)
Alexander K. Craig Minor in Mathematics	Alexander Felix Gu Minor in Mathematics Minor in Music	Yosef E. Mihretie
Alex C. Cuellar	Keshav Gupta (See also M.Eng., Course VI-P)	Alex S. Miller Also with a Major in Course VIII Minor in Earth, Atmospheric, and Planetary Sciences (February, 2021)
Ray Hiralal Dedhia	Matthew Ha	Ian M. Miller
Mussie Teshome Demisse	Andrew J. Haeffner (February, 2021)	Gherardo Morona
Amanda Deng Minor in Management (February, 2021)	Jeanne L. Harabedian	Philip J. Murzynowski
Alejandro Daniel Lino Diaz Minor in Environment and Sustainability Minor in Latin American and Latino Studies (February, 2021)	Diana I. Hernandez (February, 2021)	Susan Ni (February, 2021)
Dylan D. Doblar Also with a Major in Course XVIII Minor in Philosophy (February, 2021)	Shariqah Noor Hossain	Caleb B. Noble Minor in Mathematics
Jordan Sumi Docter Also with a Major in Course XVIII Minor in Music	Kuan Wei Huang	Olutimilehin O. Omotunde Minor in Applied International Studies
Laura N. Dodds	Kriti Jain (February, 2021)	Fjona Parllaku Also with a Major in Course XVIII (February, 2021)
Austin S. Edelman Minor in Political Science	Sandy Jean-Charles Minor in African and African Diaspora Studies	Noah M. Pauls
Judith Fusman (February, 2021)	Silvia Elena Knappe Minor in Music	Eric John Pence
Evan P. Gabhart Minor in Mathematics (February, 2021)	William M. Kusters (February, 2021)	Lisa R. Peng
Kendall Garner Minor in Chinese	Madison K. Landry Minor in Brain and Cognitive Sciences (February, 2021)	Brandon A. Perez
	Lucy Ruxi Lee Minor in Chinese (See also M.Eng., Course VI-P)	Grace Anne Quaratiello Also with a Major in Course XV-2
	Sharon Ting Lin (February, 2021)	Roberto A. Ramirez
		Robert L. Redmond
		Berke Saat

Nadia Salahuddin (February, 2021)	Agnes Villanyi Minor in Mathematics	Varkey T. Alumootil Also with a Major in Course XVIII (See also M.Eng., Course VI-P)
David M. Sargent Minor in Economics	Fan Francis Wang Also with a Major in Course VIII	Nicholas Aaron Alvarado
Yorai Shaoul Minor in Mathematics	Babuabel M. Wanyeki Also with a Major in Course VIII	Zoe Elizabeth Anderson (February, 2021)
Du'a H. Sharif	Thomas D. Watson	Joshua Chukwuebuka Ani Minor in Mathematics
Yao E. Siabi (February, 2021)	Danielle Marie White (February, 2021)	William A. Archer Minor in Economics
Victor Phares Sindato	Jacob T. Whitton	Rogério Aristida Guimarães Junior Also with a Major in Course XXIV-2
Nikhil M. Singhal	Madeline Ming-Lei Wong Also with a Major in Course XXI-M	Matthew D. Bahner Also with a Major in Course XV-2
Sarah Olivia Spector Minor in Latin American and Latino Studies (February, 2021)	Cindy X. Yang (See also M.Eng., Course VI-P)	Sisam Bhandari Minor in Women's and Gender Studies
Matthew Joseph Stallone	Aaron J. Yeiser (February, 2021)	Lillian Bu (February, 2021)
Nickolas Stathas Minor in Science, Technology, and Society (February, 2021)	Rahul V. Yesantharao	Johnny M. Bui
Andromeda L. Teevens (September, 2020)	Xu Zeng	Katarina M. Bulovic Minor in Brain and Cognitive Sciences
Mark Theng Minor in Mathematics	Stephanie Yijing Zhang Also with a Major in Course XV-2	Alejandro Camacho
Rory Skye Thompson	<u>Bachelor of Science in Computer Science and Engineering</u> Course VI-3 <i>Department of Electrical Engineering and Computer Science in conjunction with the Schwarzman College of Computing</i>	Matthew S. Cameron Also with a Major in Course XXIV-1
Leilani A. Trautman	Babatomiwa M. Adebiyi	Anton Cao (February, 2021)
Mihir Yatin Trivedi	Anisha Agarwal Minor in Literature	Kylie K. Carpenter
August Trollbeck Also with a Major in Course XVIII	Yodahe K. Alemu	Johan Cervantes Minor in Statistics and Data Science
Sabrina Tseng	Daniel Thomas Alfonssetti Minor in Mathematics	Christopher W. Chang (September, 2020)
Chih Jui Tsou Also with a Major in Course XVIII	Obada Alkhatab Minor in Mathematics	Benjamin Y. Chen Also with a Major in Course XVIII
Joshua Verdejo Minor in Music (See also M.Eng., Course VI-P)		Bryan Xiaoqi Chen Also with a Major in Course XVIII
Julian T. Viera		

Caroline Chen Minor in Economics Minor in Mathematics (February, 2021)	Samuel Joseph Dorchuck Also with a Major in Course XVIII Minor in Political Science	Thomas J. Hannan (February, 2021)
Christina Chen	Robert Benjamin Durfee	Peter K. Hart (February, 2021)
Emily Chen Minor in Urban Studies and Planning	Cody Robert-Andrew Durr (February, 2021)	Adib Hasan Also with a Major in Course XVIII
Jenning N. Chen Minor in Environment and Sustainability	Demar Robin-Fernandez Edwards (February, 2021)	Mahmoud Hassan
Zhenbang Chen	Ahmed N. Elbashir (February, 2021)	Mark P. Heatzig
Zhenjia Chen	Kevin A. Fang	Christian Torrin Henn (September, 2020)
Christopher W. Cheung	Joyce Feng	Ryan Christian Hennessey
Erica J. Chiu Also with a Major in Course XVIII	Gabriel David Fields	Julian A. Hernandez Minor in Comparative Media Studies
Landon S. Chu Minor in Mathematics	Nathaniel P. Fletcher	Alex Herrera
Liam L. Conboy Minor in Chinese	Rachael Shulan Fuchs	Luis Fernando Herrera Arias (September, 2020)
Evan Samuel Cornish (February, 2021)	Grant W. Fuhr	Michael D. Hiebert (See also M.Eng., Course VI-P)
José Alejandro Cruz Mendoza	Allan A. Garcia-Zych Also with a Major in Course VIII	Jenna Himawan (See also M.Eng., Course VI-P)
Daniel Andres Dangond Also with a Major in Comparative Media Studies Minor in Japanese (February, 2021)	Benjamin A. Gardner	Darryl Ho Also with a Major in Course XVIII
Hope Dargan Also with a Major in Course XXI-H	Albert S. Gerovitch Also with a Major in Course IX Minor in Political Science Minor in Business Analytics	Eric Hong
Ria A. Das Also with a Major in Course XVIII	Irin Ghosh Also with a Major in Course XVIII Minor in Physics	Eesam A. Hourani
Nisha E. Devasia Also with a Major in Comparative Media Studies (February, 2021)	Anurag Golla	Grace Hsu
Steven Diaz Minor in Mathematics	Charvi Gopal	Aye Htun
Thomas J. Dienes	Danielle S. Gordon	Henry Hu Minor in Economics (February, 2021)
Alexandra Dima	Alexander K. Guo Also with a Major in Course XI	Ivy Y. Huang (February, 2021)
	Nicholas Guo	Jodi Jiaming Huang
	Tessa Jean Gustafson	Molly Humphreys

Sebastián Alejandro Huyke Hernández Minor in Mathematics Minor in Business Analytics	Jason Kung	Zachary Michael Metzman (February, 2021)
Christian Zhi Ren Hwa	Barjol Lami Minor in Mathematics	Samantha R. Miller (February, 2021)
Assel Ismoldayeva	Maximillian S. Langenkamp	Alexander Paul Moreno
Finnian P. Jacobson-Schulte Also with a Major in Course XVIII	Bradley A. Levin	Felipe I. Moreno Minor in Mechanical Engineering (February, 2021) (See also M.Eng., Course VI-P)
Shikhar Jagadeesh	David Daiyun Li	Alex B. Moser
Eric Jiang	Yunxing Liao	José Antonio Muguira Iturrealde
Michelle Jiang	Yong Hui Lim Also with a Major in Course VIII (See also M.Eng., Course VI-P)	Nikhil Murthy (February, 2021) (See also M.Eng., Course VI-P)
Stacia Edina Johanna	John Lin	Tammam Mustafa
Victoria S. Juan (February, 2021)	Emily Liu Minor in Mathematics Minor in Music	Kaveri Nadhamuni (See also M.Eng., Course VI-P)
Meredith H. Julian Minor in Mathematics (See also M.Eng., Course VI-P)	Qiuyue Liu (February, 2021)	Bhavik Nagda
Violetta Jusiega Minor in Design	Renbin Liu	Katharine Irene Nelson (February, 2021)
Gledis Kallco Minor in Mathematics	Steven X. Liu Also with a Major in Course XVIII (See also M.Eng., Course VI-P)	Hieu T. Nguyen
Meghana Kamineni Minor in Biology	Jason L. Lu	Karen Nguyen Minor in Mathematics
Isabella Lin Kang Also with a Major in Course XVIII (See also M.Eng., Course VI-P)	Haokuan Luo	Nhat V. Nguyen
Arpan Kaphle Also with a Major in Course VIII	Zhezheng Luo Also with a Major in Course XVIII	Sara Katherine Nicholas Also with a Major in Course VIII
Mihir Prasad Khambete Minor in Biology	Oran Luzon Minor in Mathematics	Maya G. Nigrin Minor in Mathematics (February, 2021)
Min Thet Khine (February, 2021)	Elene Machaidze	Clemente Ocejo Elizondo
Evan M. Kim	Xiao Mao Also with a Major in Course XVIII Minor in Linguistics	Joe Collins O'Connor Also with a Major in Course XVIII
Maya A. Koneval Minor in Design (February, 2021)	Yousef N. Mardini	Kings Odigie Minor in Management
Daniel Kuang	Lindsey Marie McAllister Minor in Public Policy	Tatum Mae Ogata Minor in Mathematics
	Ruben Merenfeld Minor in Music	

Lauren Dayoun Oh Minor in Mathematics	Magdalena A. Price Minor in Japanese	Tyler M. Schoulte (February, 2021)
Tuomas P. Oikarinen Also with a Major in Course XXIV-1 Minor in Mathematics	Jason Thomas Priest (February, 2021)	Noa L. Schwartz Minor in Mathematics
Hidai Olivas-Holguin (February, 2021)	Sai Sameer Pusapaty	Jason Lee Seibel (February, 2021)
Stephen E. Otremba, Jr. Minor in Mathematics	Qi Qi Also with a Major in Course XVIII (See also M.Eng., Course VI-P)	Nikodimos Zelalem Sendek Minor in Design
Nassim Oufattole Also with a Major in Course XVIII	Eric D. Qian (February, 2021)	Vlad Seremet (September, 2020)
YeonHwan Park	Vivian Qian	Allison N. Serio Minor in Architecture
Shwetark Patel Also with a Major in Course XIV-2	Soumya P. Ram Minor in Mathematics (See also M.Eng., Course VI-P)	Dory Shen
Angelos Pelecanos Also with a Major in Course XVIII	Gabriel L. Ramirez (See also M.Eng., Course VI-P)	Jocelyn J. Shen Minor in Economics
Justin C. Perez Minor in Mathematics	Saumya Rawat	Keithen E. Shepard
Áron Ricardo Perez-Lopez Also with a Major in Course XXI-S (February, 2021)	Michal Negusse Reda	Belinda Shi Minor in Linguistics
Daniel Perry Minor in Economics Minor in Mathematics (September, 2020)	Liana H. Reilly	Daniel Ryan Shkreli Minor in Literature
Scott Edward Perry Also with a Major in Course XIV-2	Victor M. Reyes Espinoza Minor in Political Science	Renee Tebeh Silva
Tuyet K. Pham Minor in Japanese (February, 2021)	Holly Anne Rieping	Chiti M. Simbotwe
Jacob D. Phillips (February, 2021)	Marco A. Rivera, Jr.	Aditya K. Singh Also with a Major in Course IX (See also M.Eng., Course VI-P)
Melody Katherine Phu	Aristofanis Rontogiannis	Varnika Sinha Minor in Economics Minor in Mathematics
Calvin Phung Minor in Asian and Asian Diaspora Studies	Alexander J. Root	Dylan T. Sleeper (February, 2021)
Neeraj Prasad	Rami M. Rustom	Jack W. Snowden Minor in Statistics and Data Science
Grant C. Prater	Alonso Salas Infante	Jesus A. Solis
	Nicholas Antonio Salinas	Ashwin Srinivasan
	Nestor Santiago-Perez	George Stefanakis Also with a Major in Course XVIII
	Samantha A. Sappenfield	
	Alizée Schoen	

Nyle Alexander Sykes
Minor in Finance

Max R. Tell
Minor in Mathematics

Ishani A. Thakur
(February, 2021)

Alex Theimer

Felix Tran

Sunny Tran
Minor in Mathematics
(February, 2021)

Brian C. Tseng
Also with a Major in Course VIII
Minor in Mathematics

Matthew James Turner
Minor in Economics

Viktor V. Urvantsev III

Yuria Utsumi
Minor in Mathematics

Pablo X. Villalobos
(February, 2021)

Summer Ynien Vo
(February, 2021)

Charles J. Vorbach

Sarah Thanh Vu
Minor in Chinese

Julia Noel Wagner
Also with a Major in Course XV-1
Minor in Economics

Audrey R. Wang
Minor in Music

Jennifer L. Wang

Jonathan M. Wang

Julia Jiaye Wang
Also with a Major in Course XVIII
Minor in Music

Lucy Wang
Minor in Mathematics
(February, 2021)

Nathan C. Wang

Patrick T. Wang
Minor in Statistics and Data Science

Richard Wang
Also with a Major in Course XVIII

Yanni Wang

Nathan W. Weckwerth
Also with a Major in Course XVIII

Elizabeth R. Weeks
(See also M.Eng., Course VI-P)

Rachel Y. Wei

Kathryn T. Wicks

Benton B. Wilson

Peter Wofford

Jan Robert Wójcik

Isaac H. Wolverton
(February, 2021)

Chad A. Wood
Minor in Music
(February, 2021)

Mark J. Wright

Julia J. Wu
Also with a Major in Course XVIII
Minor in Economics

Shannen Wu
Minor in Theater Arts

William Wu

Brian S. Xia

Katherine L. Xiao
Also with a Major in Course IX

April L. Xie
Minor in Statistics and Data Science

Helen J. Xu
(February, 2021)

Jessica Yang

Steven Yang
Minor in Mathematics

Brendan S. Yap

Claire Yin

Jessica Yin

Lisa Y. Yoo
(February, 2021)

Stephanie S. Yoon

Veerapatr Yotamornsunthorn

Hoi Wai Yu
Also with a Major in Course XVIII
Minor in Linguistics
Minor in Statistics and Data Science

Kendall T. Yu

Albert S. Yue
Also with a Major in Course XVIII

Kevin Yue

Annie T. Yun
Also with a Major in Course XVIII

Noah Zamzow-Schmidt
Minor in Mathematics
(February, 2021)

Timothy D. Zavarella

Kevin M. Zayas

Beining Zhang
(February, 2021)

Emily Yi Zhang
Also with a Major in Course XVIII

Lucy Yi-Ran Zhang
Minor in Statistics and Data Science
(February, 2021)

Maggie Qin Zhang
Minor in Mathematics

Maggie Zhang
Minor in Design

Marina Zhang
Also with a Major in Course XVIII
Minor in Economics

Tianlin Zheng
Minor in Finance
(September, 2020)

Ze Hang Zheng

Xinhe Zhou
Also with a Major in Course XVIII

Yiwei Zhu
Also with a Major in Course XVIII
Minor in Literature

Bachelor of Science in Computer Science and Molecular Biology
Course VI-7
Department of Electrical Engineering and Computer Science in conjunction with the Schwarzman College of Computing

Vayun Alapati
Minor in Economics
(February, 2021)

Suzie Y. Byun
Minor in Statistics and Data Science

Diana Baldwin Faust
(February, 2021)

Nicholas J. Freitas

Ruiwen Fu
(February, 2021)

Patricia D. Gao
Minor in Writing

Nathan Han

Jonathan M. Herrera

Tetiana Husak

Natasha N. Joglekar
Minor in Women's and Gender Studies

Kate M. Pearce
Minor in Mathematics

Venkat Sankar

Taylor E. Shaw

Tee Udomlumleart

Bachelor of Science in Computer Science, Economics, and Data Science

Course VI-14
Department of Electrical Engineering and Computer Science in conjunction with the Schwarzman College of Computing

Ivana S. Alardín
Minor in Mathematics
Minor in Public Policy

Grace Chuan
Minor in Mathematics

William J. de Rubertis

Kevin D. Downey

Cecilia M. Esterman
Also with a Major in Course XXI-M

Gabrielle Marie Finear
Also with a Major in Course XV-2

Cecil M. Gregg IV
Minor in Business Analytics

Jennah A. Haque
Minor in Public Policy

Justen Marshall Holl
Also with a Major in Course XVIII
Minor in Business Analytics
Minor in Ancient and Medieval Studies
(February, 2021)

Eliza K. Khokhar
(See also M.Fin., Course XV)

Brandon Leitch

Jocelyn Isabel Luizzi
(February, 2021)

Francesca Macchiavello Cauvi
Minor in Statistics and Data Science

Anmol Maini
Minor in Mathematics

Abigail McKenzie Moser
Also with a Major in Course XVIII

Tema Bery Nwana

Lawrence Y. Qiu
(February, 2021)

Paul Ruh
(February, 2021)

Patrick James Ryan
Minor in Finance

Phoebe Spear

Ashley Qiang-Wei Wang
(February, 2021)

Isabelle Lee Yen
Also with a Major in Course XV-2

Alvin Zhu
Minor in Asian and Asian Diaspora Studies

Bachelor of Science in Chemical Engineering

Course X
Department of Chemical Engineering

Madeline E. Bundy
Minor in Energy Studies

Jacky Chin
Also with a Major in Course VI-14

Hoang T. Dinh

Ryan S. Dorf

Tony J. Elian (February, 2021)	Liam Kai Herndon Also with a Major in Course VII-A (February, 2021)	Kofi G William Blake Also with a Major in Course VIII Minor in Political Science
Asia J. Hypsher Minor in French	Caroline E. Kenton (February, 2021)	Israel J. Bonilla
Connor Grayson Jones	Vanessa Kitova	Claire Buffington
Mawuli Aba Yvonne Kpeglo Also with a Major in Course XXI-M	Justin Leal	Shannon M. Cassady Also with a Major in Course VIII
Evelyn Sofia Navarro Salazar	Eveline Simone Mayner	Jacob C. Edison
Benjamin Nguyen Also with a Major in Course V	Adunoluwa O. Obisesan Also with a Major in Course VI-7	Madelyn Rose Focaracci Minor in Literature
Andison T. Tran Minor in Polymers and Soft Matter	Zachary Villaverde	Steven R. Goldy Also with a Major in Course VI-2 Minor in Political Science
Vincent V. Vasquez	Daiyao Zhang Also with a Major in Course VII	Rukia Amir Hassoun Minor in Economics
Stefan Wan Minor in Biology	<u>Bachelor of Science in Engineering as recommended by the Department of Chemical Engineering</u> Course X-ENG <i>Department of Chemical Engineering</i>	Kyle J. Higgins
Allison B. Wang	Issa Rais Aoudou Bassirou Minor in Economics Minor in Energy Studies	Ian M. Hokaj Also with a Major in Course VI-2
Blair Ato Anaman Williams	Mathieu Dru Medina	Mohammed Hanif Kabir
<u>Bachelor of Science in Chemical-Biological Engineering</u> Course X-B <i>Department of Chemical Engineering</i>	Andrea Odinakachukwu Orji Minor in African and African Diaspora Studies	Ngoc Thuy Minh La
Allegra Jade Berger Minor in Biology (February, 2021)	Danielle-Joy A. Rodriguez	Alexander Lam (February, 2021)
James A. Drayton (February, 2021)	Awele Bill Uwagwu Minor in Energy Studies	Dongjoon Lee Also with a Major in Course VI-2 Minor in Music
Abigail M. Frey Also with a Major in Course VII Minor in Environment and Sustainability	<u>Bachelor of Science in Aerospace Engineering</u> Course XVI <i>Department of Aeronautics and Astronautics</i>	Alison A. Louthain
Luis Angel Gallegos	Sophie Gordon Anderson Minor in Physics	Charles M. Magaw
Katherine Marie Hahn Also with a Major in Course XII Minor in Biology		Dominic Rosario Maggio Also with a Major in Course VI-2
		Aaron R. Makikalli Also with a Major in Course XXI-M Minor in Earth, Atmospheric, and Planetary Sciences
		Boaz J. Marks (February, 2021)

Alexandra R. Meredith
Minor in Computer Science

Jacqueline M. Montante

Matthew Morningstar
Minor in Computer Science

Amanda Faye Olphie

Codrin Paul Oneci
Also with a Major in Course VIII
Minor in Economics

Gabriel Gustavo Owens-Flores

Scott B. Padron
(February, 2021)

Evan T. Pasko
Minor in Computer Science

Ethan Sawyer Rolland

Renee Elizabeth Schebler
Minor in Women's and Gender Studies

Tao Sevigny
(February, 2021)

Fawaaz A. Shaffeeullah
(February, 2021)

Anna Lucy Wahl

Joshua Kevin White

Christopher B. Womack

Bachelor of Science in Aerospace Engineering
Course XVI-1
Department of Aeronautics and Astronautics

Brent Dailey Edelman, Jr.
Minor in Economics
(February, 2021)

Bachelor of Science in Engineering as recommended by the Department of Aeronautics and Astronautics
Course XVI-ENG
Department of Aeronautics and Astronautics

James M. Abel
(February, 2021)

Andrea E. Badillo

Nadezhda D. Dimitrova

Mason James DuMez

Julia C. Gaubatz
Minor in Mathematics

Allison Goode
Also with a Major in Course XVIII
Minor in Earth, Atmospheric, and Planetary Sciences
Minor in Ancient and Medieval Studies

Jiayao Huang
Also with a Major in Course XV-2
Minor in Economics

Sabrina Y. Khan
Also with a Major in Course XII
Minor in Science, Technology, and Society

Charles Malcolm Loomis Lindsay
Also with a Major in Course VI-1

Bachelor of Science in Biological Engineering

Course XX
Department of Biological Engineering

Iris de la Caridad Abrahantes Morales

Roopsha D. Bandopadhyay
Minor in Writing

Magnolia Mulan Chinn
Minor in Music

Jade Isabella Daher
Also with a Major in Course IX
Minor in Linguistics
(February, 2021)

Ravalika Damerla
Minor in Environment and Sustainability
(February, 2021)

Meghan Elisabeth Davis
Also with a Major in Course XI

Jiayi Dong

Fidelia N. Gaba

Wilson Gomarga

Haley O. Higginbotham
Minor in Mechanical Engineering

Vladlena Horneč

Lily Huo
Also with a Major in Course XVII

Sarah H. Ishamuddin
(February, 2021)

Amy T. Jin
Also with a Major in Course VI-2
Minor in Music

Prateek R. Kalakuntla
Minor in Computer Science

Afeefah F. Khazi-Syed
Minor in Urban Studies and Planning

Seung-Hyun Brianna Ko
Minor in Music

Yara M. Komaiha

Emily L. Larson

Maya M. Levy

Nathan Tam Liang
Also with a Major in Comparative Media Studies

Justin M. Liu

Emma R. Majercak (February, 2021)	Lia Tian Minor in Mechanical Engineering
Zaina L. Moussa Minor in Japanese	Sidney Y. Vermeulen Also with a Major in Course VI-3
Alberto J. Naveira Minor in Music Minor in Computer Science	Thomas Wang Minor in Physics
Gabrielle S. A. Ndakwah	Katherine M. Williams Minor in Women's and Gender Studies
Alexandra Neeser Minor in Finance	Jocelyn Shuxin Yao Also with a Major in Course IX
Athena NangVang Nguyen	Francisco J. Zepeda Minor in Political Science
Tam Bao Minh Nguyen	Margaret Y. Zhang Minor in Music
Koumani W. Ntowe-Fankam (February, 2021)	<u>Bachelor of Science in Nuclear Science and Engineering</u> Course XXII <i>Department of Nuclear Science and Engineering</i>
Ashley N. Pearson	Leanne Stephanie Galanek
Abena D. Peasah Minor in Women's and Gender Studies	<u>Bachelor of Science in Engineering as recommended by the Department of Nuclear Science and Engineering</u> Course XXII-ENG <i>Department of Nuclear Science and Engineering</i>
Maisha Munawwara Prome Minor in Writing	Analyce B. Hernandez Also with a Major in Course VIII
Smriti Raman Minor in Political Science	Natalie G. Montoya Minor in Japanese Minor in Energy Studies
Courtney Bryn Sawyer	Myles G. Stapelberg (February, 2021)
Alexis M. Schneider Minor in Computer Science (February, 2021)	Daniel Jiang Stein Also with a Major in Course VI-3
Vaibhavi B. Shah Also with a Major in Sci., Tech., & Society (February, 2021)	Connor Jackson Sweeney Minor in Computer Science (February, 2021)
Tooba Shahid Minor in Public Policy (February, 2021)	
Aidan Michael Simpson Also with a Major in Course XV-1	

SCHOOL OF HUMANITIES, ARTS, AND SOCIAL SCIENCES

Bachelor of Science in Economics

Course XIV-1

Department of Economics

Sophie Rose Herscovici
(February, 2021)

Yejin Amy Kim
Also with a Major in Course XVIII-C
(February, 2021)

Akwetey Kwabena Francis Okine
(February, 2021)

Michael C. Zhao
Minor in Finance
Minor in Literature

Bachelor of Science in Mathematical Economics
Course XIV-2
Department of Economics

Paolo M. Adajar
Minor in Public Policy

Boluwatife Oluwatunmibi Akinola

Benjamin Alan Delhees
Also with a Major in Course XV-3

Catherine Huang

Alula Tesfaye Hunsen

Gill Lin

Madeleine R. Michael
(February, 2021)

Manuel Fernando Perez
(February, 2021)

Ravi Ray Raghavan
(February, 2021)

Whitney W. Zhang
Minor in Computer Science

Bachelor of Science in Political Science

Course XVII

Department of Political Science

Aditya Jog
Also with a Major in Course VII

Samantha E. Pauley
(February, 2021)

Jose M. Pena, Jr.

Ivan Shestopalov

Bachelor of Science in Literature

Course XXI-L

Literature

Anna Jenea Lyn Williams
Minor in Public Policy

Bachelor of Science in Music

Course XXI-M

Music and Theater Arts

Sebastian L. Franjou
Also with a Major in Course VI-2

Bachelor of Science in Writing

Course XXI-W

Program in Writing and Humanistic Studies

Azzo Fiorenzo Sauvage Séguin
Also with a Major in Course XII

Christina Elizabeth Warren
Also with a Major in Course VI-3

Bachelor of Science in Humanities and Engineering

Course XXI-E

Department of Humanities

Matthew S. Bradford

Julian D. DuBransky

Sarah M. Edwards

Bachelor of Science in Humanities and Science

Course XXI-S

Department of Humanities

Lia Trinity Hsu-Rodriguez

Kathryn W. Mohr
(February, 2021)

Bachelor of Science in Comparative Media Studies

Program in Comparative Media Studies

Amy Yaejee Shim

SLOAN SCHOOL OF MANAGEMENT

Bachelor of Science in Management

Course XV-1

Sloan School of Management

Owen Campbell Broderick

Michael Anthony Carolan

Also with a Major in Course VI-3
(February, 2021)

Nathaniel Joseph Cruz Walma

Tanner B. Guerra

Alice C. Ho

Also with a Major in Course IV

Tingyu Li

Also with a Major in Course VI-3

Aleena Shabbir

John B. Strachan

Also with a Major in Course XIV-1

Jason Jesus Tang

Also with a Major in Course XVIII-C

Dakota H. Thurman

Minor in Urban Studies and Planning

Leon Zheng

Elizabeth Abby Zhou

Also with a Major in Course VI-3

Bachelor of Science in Business Analytics

Course XV-2

Sloan School of Management

Felix Enrique Chavez Cruz

Saffron Tuesday Deasey

Minor in Public Policy
(February, 2021)

Emily A. Haig

Also with a Major in Course VI-14

Gohar Khan

Also with a Major in Course VI-14

Henry C. Martin

Minor in Computer Science

Enuma C. Mokel

(February, 2021)

Elizabeth A. Obermaier

Also with a Major in Course XVIII-C

Aaron Robles

Kiyah E. Willis

Farrell Eldrian S. Wu

Also with a Major in Course VI-3
Minor in Economics

Shiyan Yin

Bachelor of Science in Finance

Course XV-3

Sloan School of Management

Gerardo Andrés Cortez Padilla

Ze Dong

(February, 2021)

Xinyi Gu

Minor in Japanese

Bo Daniel Hardin

(February, 2021)

William Thomas Little IV

Sarah Ayesha Quraishi

Minor in Mechanical Engineering

Sanjana Shukla

Also with a Major in Course VI-14

Sharlene Song

Minor in Asian and Asian Diaspora Studies

Elias Yishan Yang

(February, 2021)

SCHOOL OF SCIENCE

Bachelor of Science in Chemistry

Course V

Department of Chemistry

Zhengkai Huang

Lin S. Rogers

Minor in Music

Miller Tan

Also with a Major in Course VI-3
Minor in Public Policy

Bachelor of Science in Chemistry and Biology

Course V-7

Department of Chemistry

Agata A. Bikovtseva

Ameena Momtaz Iqbal

Minor in Public Policy

Anna Khoroshilov

Also with a Major in Course VIII
Minor in Economics
Minor in Computer Science

Gyuna Kim

Also with a Major in Course XXI-M

Luozheng Kong

Also with a Major in Course XXI-M

Elean K. Lema

Siam T. Muquit

Minor in Spanish

Dayanne Rolim Carvalho

Harrison K. Wang

Also with a Major in Course VIII
Minor in Mathematics
(February, 2021)

Rachel F. Weissman

Bachelor of Science in Biology

Course VII

Department of Biology

Jose A. Aceves-Salvador

Minor in Chemistry

Allysa A. Allen

Justin J. Cordero

Emily Q. DeBitetto

Minor in Biomedical Engineering

Sarah M. Dohadwala

(February, 2021)

Katelyn R. Downey

(February, 2021)

Kenechukwu B. Egbuonu

Minor in Toxicology and Environmental Health

Christine Elizabeth Goglia

Minor in Biomedical Engineering
(February, 2021)

Brett Donovan Haeffner

Mohammed S. Hijaz

Sandhya Kalavacherla

(February, 2021)

Divya S. Kudapa

(February, 2021)

Pranav V. Lalgudi

Minor in Statistics and Data Science

Yenthanh N. Le

Phoebe L. Li

(February, 2021)

Joanna Qiao Lin

Also with a Major in Course XXI-G

Jiaxing Liu

Minor in Brain and Cognitive Sciences
Minor in Music

Andrea G. Lo

Minor in Environment and Sustainability
Minor in Literature

Ayesha Ng

Also with a Major in Course IX
Minor in Chemistry

Sharon Elizabeth Stephanie Onggo

Emily A. O'Rourke

(February, 2021)

James V. Parsons

Alexandrea Cassidy Pouliot

Minor in Russian and Eurasian Studies

Noopur Ranganathan

Minor in Anthropology

J L. Shelly

Minor in Entrepreneurship & Innovation
(September, 2020)

Emily Hendrina Soice

Also with a Major in Course XXI-E
(February, 2021)

Katherine M. Sottilare

Also with a Major in Course VI-9

Kevin Eric Wesel

Minor in Economics
Minor in Public Policy

Bachelor of Science in Physics

Course VIII

Department of Physics

Francisco E. Acosta Icazuriaga

Ghadah M. Alshalan

Minor in Computer Science

Nicolas Amato

Minor in Earth, Atmospheric, and Planetary Sciences

Amel Amin Elfadil Elawad

Lucas M. Arthur
Minor in Political Science

Matthew J. Baldwin
Also with a Major in Course XVIII

Richard Thomas Barone III

Thiago R. Bergamaschi
Also with a Major in Course VI-2
Minor in Mathematics

Ian Bouche

Abhijatmedhi Chotrattanapituk
Also with a Major in Course XVIII-C

Matthew E. Conover
Also with a Major in Course VI-1

Sergio E. Cuadra

Kaylee Marie de Soto
Also with a Major in Course XVIII-C
Minor in Astronomy

Thao H. Dinh
Minor in Mathematics

Aidan E. Driscoll
Also with a Major in Course XXI-M

Aidan Zane Faustina
Also with a Major in Course XXIV-1

Rian B. Flynn
Also with a Major in Course XXI-M

Haoyang Gao
Also with a Major in Course XVIII

Uriel Guajardo
Also with a Major in Course VI-3

Amelia Eren Clabby Guttentag
Also with a Major in Course XVIII

Johaun J. Hatchett
Minor in Energy Studies

Qiantan Hong
Also with a Major in Course VI-2
Minor in Music

Parker K. Huntington
Also with a Major in Course VI-2
Minor in Japanese

Jakob P. Jorgensen
Minor in Mathematics

Sami Kaya
Also with a Major in Course XVIII

Sujay S. Kazi
Also with a Major in Course XVIII-C

Aaron G. Kogan
Also with a Major in Course XVIII

Andrew John Krause
Also with a Major in Course VI-3

Caroline Laber-Smith

Yuan Lee
Also with a Major in Course VI-2
Minor in Economics
Minor in Mathematics
(See also M.Eng., Course VI-P)

Jitrapon Lertprasertpong
Minor in Astronomy

Christopher A. Miller
Minor in Art, Culture and Technology

Gabriel L. Mintzer
Also with a Major in Course VI-3
Minor in Chinese
(February, 2021)

Srijon Mukherjee
Also with a Major in Course VI-3

Anjali Ila Nambrath
Also with a Major in Course XVIII
Minor in French

Obiageli W. Nwodoh
Minor in Political Science

Oluwaseun E. Ogunde
Minor in Mathematics

Bibek K. Pandit
Also with a Major in Course VI-3
(February, 2021)

Erik J. Porter
Also with a Major in Course VI-1

Debaditya Pramanik
Also with a Major in Course XVIII

Andres E. Reyna
Also with a Major in Course VI-1
(February, 2021)

Audrey Saltzman
Minor in Economics

Alana R. Sanchez

Jordan T. Santana
(September, 2020)

Abigail J. Stein
Also with a Major in Course VI-1

Afurra N. Taylor
Also with a Major in Course XXI-W

Chanita Tubthong
Also with a Major in Course XXI
Minor in Astronomy

Nicholas R. Venanzi
Also with a Major in Course VI-2

Deborah H. Wen
Also with a Major in Course V-7
(February, 2021)

Jennifer Jinghan Yu
Also with a Major in Course XVIII

Rachel C. Zhang
Minor in Computer Science

Bachelor of Science in Brain and Cognitive Sciences

Course IX
Department of Brain and Cognitive Sciences

Sarah Abodalo

Chloe E. Ayers
Also with a Major in Course XX

Katherine M. Collins
Minor in Computer Science
Minor in Biomedical Engineering

River C. Grace
Also with a Major in Course XXI-M
Minor in Biology

Tyler S. Lerner
(February, 2021)

Kristie Lino

Tianyu Luo

Jocasta Blaise Manasseh-Lewis
Minor in Biology

Ivan Alexis Mosqueda

Seungweon Park
Also with a Major in Course VII
Minor in Chemistry

Virginia A. Rosenberger
Also with a Major in Course XXI-W

Irene Zhou
Also with a Major in Course VI-2
Minor in Linguistics

Bachelor of Science in Computation and Cognition

Course VI-9

Department of Brain and Cognitive Sciences

Mona Magdy Abdelrahman

Michael Chukuemeka Anoke
Minor in French

Alexandra Alice Margareta Berg

Skylar Frances Gordon

Anne Hanako Kimura Harrington

An Jimenez
Minor in Theater Arts
(February, 2021)

Joachim J. Kennedy

Maya C. Lathi
Minor in Mathematics

David J. Mackay

Jason Madeano

Michael A. Peña

Gisela María Redondo González

Quilee Simeon
Minor in Statistics and Data Science

Alice Zhang

Jasmine Fang Zou
Minor in Computer Science
(February, 2021)

Bachelor of Science in Earth, Atmospheric, and Planetary Sciences

Course XII

Department of Earth, Atmospheric, and Planetary Sciences

Sheila J. Baber
Also with a Major in Course VIII

Julia Whitney Clarke
Also with a Major in Course V
Minor in Biology

Megan Elisabeth Guenther
Minor in Environment and Sustainability

Sarah Katherine Weidman
Also with a Major in Course VIII

Bachelor of Science in Mathematics

Course XVIII

Department of Mathematics

Jack-William Barotta
Minor in Economics

Jordan L. Benson

Talia Miriam Blum
Minor in Computer Science
(February, 2021)

Landon McRae Buckland
Minor in Architecture
(February, 2021)

Colleen M. Campbell

Also with a Major in Course XXII-ENG

Ruidi Cao
Also with a Major in Course VI-3

Kevin Y. Chang

Fiona Yifei Chen
Also with a Major in Course XIV-1

Zachary D. Chroman

Kevin J. Costello III
Also with a Major in Course XXI-M

Samantha D'Alonzo
Minor in Computer Science

Andrew K. Dienes

Korina Digalaki
Also with a Major in Course VI-2

Savannah En
(February, 2021)

George K. Friedlander

Agustin E. Garcia Andrade
Also with a Major in Course VI-2

Kristian Georgiev Georgiev
Also with a Major in Course VI-3

Klajdi Gjonaj
Minor in Computer Science

Katherine E. Gravel

Daniela E. Guillén
Minor in Physics

Kaarel Hänni
Also with a Major in Course XXIV-2
Minor in Physics
Minor in Economics

Lior S. Hirschfeld
Also with a Major in Course VI-3
Minor in Literature

Cory Christopher Hixson
Minor in Economics

Vanshika P. Jain
Minor in Computer Science
Minor in Energy Studies

Miles R. Johnson
Also with a Major in Course VI-2
Minor in Physics

Gabriel J. Kane
Also with a Major in Course XXI-M

Dhamanpreet Kaur
Also with a Major in Course VI-7
(February, 2021)

Anna L. Kooperberg
Also with a Major in Course VI-3
Minor in Statistics and Data Science

Miguel Ratko Lamar
Minor in Statistics and Data Science

Rachel Elizabeth Leighton

Daniel León Jiménez
Also with a Major in Course VI-14
Minor in Business Analytics

Robert K. Lindland
Also with a Major in Course VI-3

Amber Jiahui Lu
Also with a Major in Course XIV-1
(February, 2021)

Joseph Michael Mastrandrea
Minor in Finance

Casey Marie McClenathan
Minor in Music

Christina T. Meng
Minor in Computer Science

Leanne E. Morical
Also with a Major in Course XIV-1
Minor in Applied International Studies

Rebecca Hart Nelson
Also with a Major in Course XV-2
Minor in Music
Minor in Computer Science

Carolina Ortega Pérez
Also with a Major in Course VI-3

Anna Rose Osofsky
Minor in Music

Nicholas V. Pape
Minor in Earth, Atmospheric, and Planetary Sciences
Minor in Political Science

Junyao Peng

Nikola Raicevic
Also with a Major in Course VI-3

Ellery M. Rajagopal
Also with a Major in Course VI-2

Nikhil R. Reddy
Also with a Major in Course VI-3

Tommie M. Reerink
Also with a Major in Course XXI-M

Qiuyu Ren

Michael Gilman Saldivar

Pachara Sawettamalya
Also with a Major in Course VI-3

Jessica Weiqian Shi
Also with a Major in Course VI-3

Anand Srinivasan

Alexander M. Stewart

Michael Siyuan Tang
Minor in Computer Science

Natalya Ter-Saakov
Minor in Computer Science

Elizabeth Jane Tso
Minor in Ancient and Medieval Studies
(February, 2021)

Sarah J. Wang
Also with a Major in Course VI-14
Minor in Business Analytics
(February, 2021)

Bianca E. Wang-Polendo
Minor in Economics
(February, 2021)

Julian Homann Wellman
(February, 2021)

John M. Wu
Also with a Major in Course VI-3

Emily Z. Xie

Zhuofan Xie
Also with a Major in Course VI-3

Thomas W. Xiong
Also with a Major in Course VI-7
(February, 2021)

Christopher Xu
(February, 2021)

Zixuan Xu
Also with a Major in Course VI-3

Allen Yang
(February, 2021)

Yuan Yao
Also with a Major in Course VI-3
Minor in Linguistics

Calvin L. Yost-Wolff

Julia Yu
Also with a Major in Course VI-3
Minor in Women's and Gender Studies

Marcos Rubén Zárate Gamarra
Also with a Major in Course VI-3

Rachel Y. Zhang
(February, 2021)

Bachelor of Science in Mathematics with Computer Science
Course XVIII-C
Department of Mathematics

Majid A. Almarhoumi

Joshua Gyesi Kwabena Amaniampong

Shreyas Balaji
(February, 2021)

Henderson Cole
(February, 2021)

William Gerard Woodrow Torous
Minor in Literature

Turbat Enkhbayar

Yogeshwar Avinash Velingker
Also with a Major in Course VIII

Libaan I. Farah
Minor in Business Analytics
(February, 2021)

Sophia Xia
(February, 2021)

Oliver Herman Heins
Minor in Business Analytics

Barry Xu

Jabari A. King

Hung-Hsun Yu
(February, 2021)

Dexin Li
Also with a Major in Course XIV-1

Jason Lu
(September, 2020)

Faraz Masroor
Also with a Major in Course XIV-1
Minor in Physics

Thérèse B. Mills
Minor in Comparative Media Studies
(February, 2021)

Nelson Shuheng Niu
Minor in Theater Arts
Minor in Writing

Ulyana Piterbarg
Minor in Statistics and Data Science

Margaret Anne Redfield
Minor in Business Analytics

Nolan Matthew Reilly

Sonia Marlena Reilly

Dhruv W. Rohatgi
(February, 2021)

Caleb M. Rollins
Also with a Major in Course XIV-1
Minor in Statistics and Data Science

Shreyas Vignesh Srinivasan
Minor in Finance

Natalie Noether Stewart

Hantoa Tenwhij

SCHOOL OF ARCHITECTURE AND PLANNING

Master of Architecture

Course IV

Department of Architecture

Paige Xiomara Alvarez

(See also M.C.P., Course XI)

The Houseful(l)ness of Public Space

Arditha Auriyane

(February, 2021)

Post - arium

Adiel Alexis Benitez

(February, 2021)

Priced Out of Paradise, Reconsidering Cooperatives in Response to Climate Gentrification In Miami's Communities of Color

Chen Chu

(February, 2021)

To Know is to Empower: Chagos Institute of Environmental Humanities

Sydney Jordan Cinalli

(February, 2021)

Reclaiming the Estranged: Imagining an Architecture of Excess

Charlotte Isabel D'Acierno

(February, 2021)

Ferrous Futures: Scenario Planning for Global Steel

Isadora Simone Stahl Dannin

(February, 2021)

Seven Ways of Reading *The House of the Seven Gables*

Benjamin Carlton Hoyle

Still Standing

Lucas Facundo Igarzabal

Conectividad Alegal: Remaking and Resilience in the Bay of Havana

Nynika Jhaveri

(February, 2021)

Gardens of Resistance

Kailin Jennifer Jones

(February, 2021)

After Aura: Authorship, Automation, Authenticity

Melika Konjicanin

(February, 2021)

The Factory of Coexistence

Jeffrey Fraser Landman

(February, 2021)

Screen Time

Clarence Yi-Hsien Lee

(February, 2021)

Ferrous Futures: Scenario Planning for Global Steel

Eytan Michael Levi

(See also S.M., Real Estate Development)

Still Standing - Cooperative Strategies for the Renovation of Soviet Mass Housing

Emma Bertin Pfeiffer

(February, 2021)

Architecture for Revision

Lynced Angelica Torres

M.I.Celium Mexicanus: Rejecting Modernity Through Zapotec Futurism

Marisa Concetta Waddle

Conectividad Alegal: Remaking and Resilience in the Bay of Havana

David Allen White

(February, 2021)

Thorough;

Erin Nicole Wong

Heirlooms

Jaehun Woo

(February, 2021)

Ferrous Futures: Scenario Planning for Global Steel

Ziyu Xu

Space of Mind: The Hidden Architecture in the Time of the Pandemic

Andrew R. Younker

Building / Unbuilding

Master of Science in Architecture Studies

Course IV

Department of Architecture

Jeremy Carmine Bilotti

(See also S.M., Course VI)

A Machine Learning Model for Understanding How Users Value Designs: Applications for Designers and Consumers

Dries Carmeliet

Third Landscape

Reza Daftarian

Fractured and Dissolved, Architecture Ablaze: Toward an Understanding of Ayeneh-Kari

Katherine Pearl Dubbs

"A Great Civilizing Agent": Architecture at MIT, Drawing Education, and Boston's Cultural Elite, 1865-1881

Eduardo Gascón Alvarez

MASS BALANCE: Design Strategies for Lightweight, Thermally Massive Construction Systems

Marianna González-Cervantes

Velvet Garage: Narratives of an Education in Architecture

Mengqi Moon He

(September, 2020)

The Chinatown Stories: Investigating Water (In)Justice through Transmedia Urban Design in the L.A. River

Rania Kaadan

Untold Narratives: Realizing Personal Design Identities

Wuyahuang Li

To Build Home and To Live In (U)Hygge

Bowen Lu

Networking Knowledge and Experience: An Instrumental System for the Personal Development of Individual Designers

Luis Alberto Meouchi Vélez

Collecting Ideals: Re-Envisioning Ejidos as Climate-Action Platforms

Amanda Sayed Merzaban

Scripting Inclusion

Mohamad Hani Nahleh

Nightrise: Through the Valley of
Jabal'Amil's Shadow

Yesufu Grover Oladipo

Evaluating Overheating Preventative
Measures in Residential Buildings and
Passive Survivability

Ayesha Usman Shaikh

(September, 2020)
The Yenidze Oriental Tobacco and
Cigarette Factory: An Example of Islamic
Ornamental Architecture in Germany

Zainab Feroza Taymuree

(September, 2020)
The Missing Designers: A History of
Activists Designing for Racial Justice

Alexandra Lea Waller

Monstrous Space: Architectural
Production in an Age of Algorithms

Xiaoyun Zhang

Components and Compositions:
Machine's Observation and Reasoning
of Architectural Design Intention
Represented through Vision and Selective
Abstraction

**Master of Science in Art,
Culture and Technology**

Course IV

Department of Architecture

Ryan Aasen

(September, 2020)
The Gilded Closet: Media, Privacy, and
Power in Unequal Times

Luíza Bastos Lages

(September, 2020)
Tessituras Abertas Pessimistic Yet
Persistent in Other Possible Imaginaries

Yuping Hsu

(September, 2020)
In Between Empathy and Wonder Lies
the Contamination That Makes Us
Human

Matthew Jacob Ledwidge

(September, 2020)
Urban Perceptual Modeling: A
Speculative Framework for Artistic
Intervention

Casey Tang

(September, 2020)
Being in the World as If There's Nothing
from the First: A Praxis-Framework for
Emergence

Nancy Dayanne Valladares

(September, 2020)
A Dedicated Mechanism for Forgetting:
Fiction and the Ghosts of the
Plantationocene

Yimeng Zhu

Finding the In-between Space

**Master of Science in Building
Technology**

Course IV

Department of Architecture

Zachary Michael Berzolla

Meeting A Community's Emissions
Reduction Targets Using Urban Building
Energy Modeling

Ruoyu Lan

(September, 2020)
Air Quality Impacts of Crop Residue
Burning in India and Mitigation
Alternatives

Mariana Liebman Pelaez

(September, 2020)
Hydroponic Container Farms: Validation
of a Building Energy Model and Its
Integration in Urban Design

Bryan Wen Xi Ong

(See also S.M., Course I)
Machine Learning for Human Design:
Developing Next Generation Sketch-
Based Tools

Nicole Tang Liwen

(September, 2020)
Examining the Feasibility of a Novel
Ground-Storage Cooling System

Elizabeth Lyn Young Li Wen

On the Relationship Between Spatial-
Temporal Outdoor Thermal Comfort
Simulations and Bike Ridership

Master in City Planning

Course XI

*Department of Urban Studies and
Planning*

Paige Xiomara Alvarez

(See also M. Arch., Course IV)
The Houseful(l)ness of Public Space

Nathan Alexander Arnosti

A Moral Document? Expanding
Conversations About Public Safety
Budgets in Minnesota in the Wake of
George Floyd's Murder

Bridget Burns

(September, 2020)
"The Most Important Thing is that We
Developed Friendships." Reciprocity,
Care, and Social Support through a
Microfinance Intervention: A Case Study
from Uganda

Patricia Ann Cafferky

Planning for Anti-Displacement
Development: An Affordable Housing
Study in Central Falls

Bahij Vincent Chancey

Community Composting: Public-
Nonprofit Partnerships and Equity in
New York City Organic Waste Programs

Daniela Chong Lugon

(September, 2020)
Dispossessing the Public: Privatization of
Open Public Spaces in Lima, Peru

Daniela A. Cocco Beltrame

(September, 2020)
Subaltern City-Making: A Portrait from
Harare, Zimbabwe

Winn Elliott Costantini

Integrating Climate, Economic, and
Racial Justice Through a Boston
FutureCorps

Elizabeth Jean Farr

Parking Policy as a Mechanism to Reduce
Car Ownership and Use

Ruth Fay Gourevitch

Houses on Hudson: Using Documentary
Film to Explore Exclusionary Zoning and
Affordable Housing Development in the
New York Suburbs

Sofia Asli Gulaid
Mandela, Massachusetts: Design Futures for a Proposed City

Chelsea Hodgkins
Just Transition: Lessons from Mexico

Lenna Drury Johnsen
(September, 2020)
Making Change Legible: Public Notices and the Visual Communication of Planning in the U.S.

Griffin Reese Kantz
(September, 2020)
Inferring Pedestrian and Bicycle Travel Demand from Consumer Market Segmentation and Related Datasets

Devin Cornett Kelly
'A Bridge Over the Chasm': Rhetoric and Reflexivity in Housing Advocacy

Amber Y. Kim
The Challenges and Opportunities to Achieving Equitable Residential Building Electrification in Chicago

Zade Jeffery Koch
Nationwide Pedestrian Safety Analysis Using Crash and Survey Data

Samra Brook Lakew
(September, 2020)
Scenarios for the Future of Global Recycling

Geunhee Lee
Civic Hacking for the Right to Know and the Right to Privacy

Yanchao Li
Understanding Mobility in Sierra Leone During Covid-19 Using Call Detail Records

Rachel Li-Jiang Luo
(See also S.M., Transportation)
Data-Driven Customer Segmentation: Assessing Disparities in COVID Impact on Public Transit User Groups and Recovery

David Kambo Maina
The Learning Curve: An Exploration of the Digital Literacy Dimension to ISPs

Nina Theresa Mascarenhas
(September, 2020)
Collaborative Governance in Regional Climate Resilience Planning: A Case Study of the Resilient Mystic Collaborative

Tess Davenport McCann
More Complex Than Wasteland: Reparative Site History along the Boston-Revere Border

Sara Brent McCoy
(September, 2020)
Climate as Provocation of Preservation Standards and Procedure in Historic Districts of the Floodprone U.S.: Lessons from Palm View, Miami Beach

Noah J. McDaniel
Power, Risk, and Democratic Control in State-Local Finance: The Effect of State Tax and Expenditure Limits on Municipal Debt and Risk

Rubén Grayson Morgan
(See also S.M., Transportation)
A Fare Approach to Attracting Transit Ridership After COVID-19

Drew Edward Morrison
(See also M.B.A., Course XV)
Slumlords? The Economics and Finances of Small-Scale Low-Income Housing

Michelle Mueller
Salt Flats, Finger Islands and Ponds: Reading the Landscape Through Infrastructure in Tampa, Florida

Chenab Ahuja Navalkha
Data for Housing Justice: Examining Activists' Use of Open Government Data for Housing Justice in Boston, MA and New York, NY

Ruichen Ni
(February, 2021)
(See also S.M., Real Estate Development)
A Venture for Art + Development: Examining The Symbiosis Relationship Between China's Art Market and Real Estate Industries

Ziyu Ran
Understanding Mobility in Sierra Leone During Covid-19 Using Call Detail Records

Sarah Evelyn Rege
Cultivating Creative Learning in Community — An Iterative Design Process

Emma González Roberts
(February, 2021)
Understanding Paseo Boricua: Why the Preservation of Chicago's Puerto Rican Enclave Matters

Yu Shao
(February, 2021)
"Biopolitics from Below?" — Lessons of Emergent Urban Governance Trend Under Covid-19 in China

Tanvi Sharma
Future Flood Mitigation in Charlotte-Mecklenberg

Kristopher Stephen Steele
(September, 2020)
(See also S.M., Real Estate Development)
New York City Local Law 97: An Analysis of Institutional Response & Decision Making Towards Groundbreaking Carbon Emissions Legislation

Gary Chi Tran
(September, 2020)
The Nation of a City: Localism and Identity in Post-Handover Hong Kong

Darryle Kane Ulama
Black Public Works: The Political Economy of Race and New Deal Infrastructure

Benjamin Edward Walker
Housing is the Cure: Renter Insecurity in Boston During the COVID-19 Pandemic

Yuehan Wang
(February, 2021)
(See also S.M., Real Estate Development)
Measuring Built Environment Technology Awareness Using Time-Series Analysis

Seth Michael Wight
Aligning Policy Goals with Planning Outcomes: A Client-Based Thesis in Portland, Maine

Gabriela Beatriz Zayas del Rio
'Autogestión': Community-led Squatting as a Means of Transformative Revitalization of Abandoned Spaces in Puerto Rico

Yunhan Zheng
(See also S.M., Transportation)
Equality of Opportunity in Travel Behavior Prediction with Deep Neural Networks and Discrete Choice Models

Michelle Lauren Zucker
(September, 2020)
Taming the City Wilderness

Master of Science in Media Arts and Sciences

Program in Media Arts and Sciences

Gabriela Bila Bandeira Advincula
(February, 2021)
With(in): Three Women, Three Informal Settlements, and the Rituals of the Meal as a Microcosm of Urban Life

Alexandra A. Berke
(September, 2020)
From Private Location Data to Public Good

Océane Elia Boulaïs
(September, 2020)
Emerging Computational Methodologies for Transparency in Fisheries

William Walker Brannon
(September, 2020)
Mapping U.S. Talk Radio: A Textual Survey at Scale

Rubez Chong Lu Ming
(September, 2020)
Hacking Voice Assistants: Speculative Design as Resistance in the Age of Surveillance Capitalism

Patrick C. Chwalek
(September, 2020)
Captivates: A Smart Eyewear Platform for Ambulatory Physiological Measurement Capture

Manuj Dhariwal
(September, 2020)
Let's Chance: Playful Probabilistic Programming for Children

Sohan Savio Dsouza
(February, 2021)
Crowdsourcing Moral Psychology

Jonathan Michael Feldman
(February, 2021)
The Augmented Geometrically Spaced Transform: Applications of the Single Channel Frequency Estimator

Jesus Guillermo Herrera Arcos
Muscle Recruitment Mechanism under Optogenetic Neuromodulation

Abhinandan Jain
(September, 2020)
Body Driven Cognition : Writing to the Body to Influence the Mind

JunSu Jang
(September, 2020)
Marine Snow Tracking Stereo Imaging System

Mike Hao Jiang
Enlightened: Can short-form news videos open minds?

Wakanene Kamau
(September, 2020)
Towards Responsive Ecotechnology: A Daughterless Male Mouse

Elena Chong Loo Kodama
(September, 2020)
R.E.I.N.A. Towards Pervasive Interface Agents that Transcend the Physical-Digital Worlds

Junshan Leng
(September, 2020)
RF-Guided Exploration for Robotic Manipulation

Joanne Sau Ling Leong
(February, 2021)
Investigating the Use of Synthetic Media for Real-Time Virtual Camera Filters for Supporting Communication and Creativity

Michelle Arwa Mboya
(September, 2020)
Mixed Reality and Mixed Method tools for Alternative Imaginations

Hila Mor
(September, 2020)
Venuous Materials: Toward Interactive Fluidic Mechanisms

Manushaqe Muço
(September, 2020)
Connecting Symbols to Primitive Percepts using Expectation as Feedback

Prathima Muniyappa
(September, 2020)
Scribe - Crowdsourcing Indigenous Knowledge

Nikita Obidin
(September, 2020)
Spatially-Proximate Assembly of Linearized Polynucleotides for Interrogation of Gene Sequence and Location

Pat Pataranutaporn
(September, 2020)
Wearable Lab on Body and Programmable Bio-digital Organ : Towards Closed-Loop Bio-Digital Augmentation of Human

David Colby Reed
(September, 2020)
Designing for Voice in the Vacuum: Property in Citizenship for Democratic Equality among Future Spacefarers

Tyler Joseph Schoeppner
(September, 2020)
Large Interactive Laser Light Field Installation

Tay Shin
(September, 2020)
Iterative Expansion Microscopy Using Lipid and Protein Labels for Nano-Scale Imaging of Brain Circuits

Abhishek Singh
Distributed and Private Computation for Inference

Erik Steven Strand
(September, 2020)
Inverse Methods for Design and Simulation with Particle Systems

Joao Henrique Santos Wilbert
(September, 2020)
Vibroacoustic Materials: Leveraging Material Vibration to Sense Interaction

Charlene Xia
(September, 2020)
A Low-Cost Modular Underwater Acoustic Communication System

Ruihan Zhang
Towards Mapping Spatial Transcriptome of an Entire Vertebrate Brain

Master of Science in Real Estate Development
Center for Real Estate Development

Kayode A. Agbalajobi
(September, 2020)
The Washington D.C 2020 - 2025 Housing Initiative: Reviewing the Incentives and Barriers to Real Estate Developers' Creation of Affordable Housing

Jee hee Baek
(September, 2020)
Real Estate Securitization in Korea: Application of PF ABS and MBS

Maximilian Sean Beatty
(September, 2020)
Building Towards an Innovation Economy: A Pilot Development Proposal that Leverages City and Institutional Partnership to Reposition Baltimore

Ian Duncan Bradley
(September, 2020)
Reinventing Retail Properties: Adaptive Reuse Strategies That Make Sense and Create Value

Joon Keun Chang
(September, 2020)
Analysis of Distressed Commercial Mortgage Backed Securities (CMBS) Loans and Special Servicing – A Case Study

Eric Raymond DeWees
(September, 2020)
A New Life for Hotels: Adaptively Reusing Limited Service Hospitality Properties as Workforce Housing

Patrick Ryan Downey
(September, 2020)
Negotiated and Prescriptive Zoning: A Comparison of Boston and Seattle Through the Lens of Seaport Square

Elise Stephens Dubuque
(September, 2020)
Urban Multifamily Amenity Wars: Defining their Current State and Determining Impacts of COVID-19

Diego Fernández Briseño
(February, 2021)
The Environmental Impact of Ecommerce Logistics Real Estate and Technological Interventions for a Low-Carbon Footprint

Morgan Lawrence Fleischman
(September, 2020)
Sorry We're Closed: What Closes Malls and Community Centers in the United States? An Analysis and Predictive Modeling of Distressed Centers

Daniel James Hare
(September, 2020)
The Emperor's New Coastline: An Initial Framework for Real Estate Investing in a Time of Climate Change

Bani Amrit Kaur
(February, 2021)
Opportunities for Institutional Investors in Indian REITs

Eytan Michael Levi
(See also M. Arch., Course IV)
Still Standing - Cooperative Strategies for the Renovation of Soviet Mass Housing

Barclay Dalziel Macfarlane
(February, 2021)
The Redistribution of Corporations and Their Talent Across the United States: Analyzing the Emerging Trend of Demographic and Corporate Migration from Gateway Markets to Smaller Ones

David Maroti
Real Estate Distress on College Campuses: Case Study on Liquidity through Public Private Partnerships and Portfolio Right-Sizing

Benjamin Pope Masselink
(September, 2020)
Sustainable Value Creation Through Mass Timber Development in North America

Ruichen Ni
(February, 2021)
(See also M.C.P., Course XI)
A Venture for Art + Development: Examining The Symbiosis Relationship Between China's Art Market and Real Estate Industries

Cho Hae Park
(September, 2020)
An Analysis of Indirect Real Estate Investments in South Korea

Sun Jung Park
(September, 2020)
Data Science Strategies for Real Estate Development

William Hoagland Plumb
(February, 2021)
Navigating Climate Resiliency: A Developer's Guide to Permitting and Planning Along Boston's Waterfront

Natasha Sadikin
(February, 2021)
The Financial Impact of Healthy Buildings

Allison Janice Selby
(February, 2021)
Migratory Patterns of New Yorkers Amidst the COVID-19 Pandemic and the Resulting Boom in Housing Demand in the Hudson Valley

Daniel Smička
(February, 2021)
Concrete Prefabrication and Offsite Construction in Brazil: A Development Case Study in Mato Grosso

Kristopher Stephen Steele
(September, 2020)
(See also M.C.P., Course XI)
New York City Local Law 97: An Analysis of Institutional Response & Decision Making Towards Groundbreaking Carbon Emissions Legislation

Alexandra Hayes Stratouly
(February, 2021)
Building Healthy: A Feasibility Study of Developing a "Healthy" Office Tower

Andrew Campbell Thigpen
(September, 2020)
Sustainable Value Creation Through Mass Timber Development in North America

Manuel Velazco (September, 2020) The T-Space Model: Maximizing Value and Revenue of Transit Real Estate Assets	Utkarsh Sarawgi Med. Arts & Sciences Uncertainty-Aware Ensembling in Multi-Modal AI and its Applications in Digital Health for Neurodegenerative Disorders
Yuehan Wang (February, 2021) (See also M.C.P., Course XI) Measuring Built Environment Technology Awareness Using Time-Series Analysis	Sarah Mary Haiken Sclaric Med. Arts & Sciences (February, 2021) A Bioengineering Roadmap for Negative Emissions Technologies
Oscar Williams Identifying Real Estate Development Opportunities: Web-Scraping, Regex Patterns & String-Searching Algorithms	Nikhil Uday Singh Med. Arts & Sciences (September, 2020) Sifting Sound
Junyi Zhang (September, 2020) An Integrated Analytical Framework: Guidelines for Commercial Real Estate Investment Management	Farita Tasnim Med. Arts & Sciences Decoding of Facial Strains via Conformable Piezoelectric Interfaces and Three-Dimensional Digital Image Correlation
Kan Zuo Developing a Mainland China REIT Return Index (2015-2020) through a Pure-Play Approach	Ravi Tejwani Med. Arts & Sciences (September, 2020) Migratable AI

Master of Science
(without specification of field)

Yusuf Shaan Ahmad
Med. Arts & Sciences
(September, 2020)
Tools that Lower the Floors, Widen the Walls, and Raise the Ceilings for Designing Creative Learning Experiences

Ethan Chase Alley
Med. Arts & Sciences
Machine Learning to Promote Transparent Provenance of Genetic Engineering

Tara Boroushaki
Med. Arts & Sciences
Robotic Grasping of Fully-Occluded Objects using RF Perception

Raghava Manvitha Reddy Ponnappati
Med. Arts & Sciences
Computational Tools For Rational Engineering of Protein Therapeutics

SCHWARZMAN COLLEGE OF COMPUTING

Master of Science in Computational Science and Engineering

*Program in Computation for Design
and Optimization*

Arwa Abdullah AlAnqary
Change Point Detection in Time Series

Abdullah Omar M Alomar
(See also S.M., Course VI)
Multivariate Singular Spectrum Analysis:
A Principled, Practical, and Performant
Solution for Time Series Imputation and
Forecasting

Aaron Solomon Charous
(February, 2021)
High-Order Retractions for Reduced-
Order Modeling and Uncertainty
Quantification

Manan Mukesh Doshi
(February, 2021)
Energy-Time Optimal Path Planning in
Strong Dynamic Ocean Flows

Vineet Jagadeesan Nair
(February, 2021)
Estimation of Cumulative Prospect
Theory Based Behavioral Models for
Dynamic Pricing and Control of Shared
Mobility on Demand

Morgan Jane McCombs
Data-Driven Supply Regulation to
Improve Farmers' Income in Agricultural
Markets

Richa Ramesh Naik
Uncovering Perovskite Degradation
Equations Using Scientific Machine
Learning

Wen Hong Kenneth Pay
(September, 2020)
The Effect of Cash Constraints on
Smallholder Farmer Revenue

Sharan Raja
(September, 2020)
Learning Communication Policies to
Perform Decentralized Task Allocation
under Communication Constraints

Robert Loek Van Heyningen
Discontinuous Galerkin Solutions of the
Boltzmann Equation: Spectral Collocation
and Moment Methods

Eamon Jasper Whalen
Enhancing Surrogate Models of
Engineering Structures with Graph-Based
and Physics-Informed Learning

Master of Science in Technology and Policy

*Institute for Data, Systems, &
Society*

Gabriel Thomas Bann
(September, 2020)
Rethinking Federal Disaster Aid Policy in
the Context of Social Vulnerability

Karan Bhuvalka
(February, 2021)
(See also S.M., Course VI)
Assessing the Socio-Economic Risks in
Electric Vehicle Supply Chains

Virginia Claire Blessing
(See also S.M., Course VI)
Towards Empirical Evaluation of
Software Security Risk

Adrianna Judith Boghozian
(February, 2021)
(See also S.M., Course VI)
Exploring Low-Cost Sensor Placement
Strategies within an Urban Environment

Rebecca Leigh Browder
(See also S.M., Course XVI)
From the Earth to the Moon: Economic
Viability of Commercial Spaceports and
Science and Technology Planning for MIT
Lunar Exploration

Carson Wesley Simkins Bullock
Aviation Effects on Local Business:
Mapping Community Impact and Policy
Strategies for Noise Remediation

Chung Hon Michael Cheng
A Tale of Two Sovereignties

Yash Raghunandan Dixit
(See also S.M., Course VI)
Estimating Life-Cycle carbon Emissions
of the Global Oil Supply Chain Using
Optimization in a Network Model

René A. García Franceschini
Use of Civil Air Patrol Imagery for
Disaster Response: a Technical and Policy
Analysis

Russell Thomas Glynn
The Scalar Politics of Mobility in Detroit

Nolan Robert Hedglin
(September, 2020)
(See also S.M., Course VI)
Opportunities for U.S.-China Scientific
Collaboration in Building a Bilateral
Quantum Network

Drake Daniel Hernandez
An Evaluation of Regulatory Frameworks
for the Development of Interstate
Hydrogen Infrastructure in the United
States

Gregoire Jacquot
(See also S.M., Course VI)
Guiding Principles for Universal
Energy Access: Integrated Distribution
Frameworks and Their Implementation

Brandon Leshchinskiy
(See also S.M., Course XVI)
Addressing Climate Change through
Artificial Intelligence and Education

Liang Li
(February, 2021)
(See also S.M., Course VI)
Investigating the Role of Microglia in
the Development of Myelin and Policy
Implications of Gene Editing

Miles Thelonious Keylor Lifson
(September, 2020)
(See also S.M., Course XVI)
A Study of Emerging Space Nation
and Commercial Satellite Operator
Stakeholder Preferences for Space Traffic
Management

Andrew Maxwell Mowry (September, 2020) Integration Challenges for Fast-Charging Infrastructure to Support Electric Vehicle Adoption	Jean-Baptiste Seby (September, 2020) (See also S.M., Course VI) Networked Interactions, Graphical Models and Econometrics Perspectives in Data Analysis
Sade Kailani Nabahe Training the Next Generation of Clean Energy Workers: Designing Local Career Pathways for a Decarbonized New Mexico Economy	Maryam Shahid (February, 2021) (See also S.M., Course VI) Identity and Trust Frameworks: Design and Analysis of Identity Transactions Online
Nina Catherine Peluso Long-Term Electric Utility Resource Planning: An Adaptive Structure for a Transforming Landscape	Kevin Xu Shen (February, 2021) (See also S.M., Transportation) Uneven Mobility: Injustice in Accessibility and Urban Experimentation
Daniel Wade Provaznik II (September, 2020) Mitigating Foreign Social Media Influence Campaigns in US Elections	Erin Elizabeth Smith The Cost of CO2 Transport and Storage in Global Integrated Assessment Modeling
Ryan William Ramseyer (See also S.M., Course VI) Automated Rehosting and Instrumentation of Embedded Firmware	Hannah Kathleen Whisnant (September, 2020) Split Learning on FPGAs
Saeyoung Rho (September, 2020) (See also S.M., Course VI) Estimating Lower Bounds for Time Series Prediction Error	Sophia Wu (February, 2021) Understanding the Effect of Intermittent Water Supply on Drinking Water Quality
Thomas González Roberts (See also S.M., Course XVI) Geosynchronous Satellite Maneuver Classification and Orbital Pattern Anomaly Detection via Supervised Machine Learning	Lihui Zhang (February, 2021) Crowd Equals Diversity? A Diversity Analysis on Participation of Agency-sponsored Open Innovation Challenges
Nicolas Sangwon Rothbacher (September, 2020) (See also S.M., Course VI) AI Can't Fix This: Predictive Policing "Fairness" in Context	Nicolas Xuan-Yi Zhang (February, 2021) (See also S.M., Course VI) Encryption to Implement Mechanism Design Solutions
Frank Michael Ryan (September, 2020) Reskilling White-Collar Workers: What's In It for Firms?	
Joseph Carson Schlessinger Quantifying Agenda Setting Effects on Twitter and Digital Media	

SCHOOL OF ENGINEERING

Master of Engineering in Civil and Environmental Engineering

Course I-P

Department of Civil and Environmental Engineering

Sabrina Gaitan

Vaulted Earthen Floor Systems for Low-Cost Housing Construction

Claire Elizabeth Holley

(See also S.B., Course I-ENG)
Multi-Material Continuum Topology Optimization for Embodied Carbon Objectives

Grace Anne Jagoe

Autoclaved Aerated Concrete Tile Vaults for Lightweight Floor Systems

Benjamin Richard Male

(September, 2020)
Rapid Remote Determination of Hydrographic Data for Modified Surf Index Calculations and Naval Applications

Stephen G. C. Prendergast

Patterns of Optimal Structural Layouts

Shiyao Sun

(September, 2020)
Nonlinear Analysis of Topology-Optimized Scissor-Like Elements During Deployment and Structural Performance Analysis

Kyle Jeffrey Thomson

Material Use and Efficiency in Ultra-Thin Towers

Georgette L. Tso

(February, 2021)
A Comparison of Durability and Recruitment for Reef Mimics Constructed from Marine Concrete and CaCO₃-Enriched Concrete

Brandon Tsun Leong Voo

Investigation of UHPC Columns for Stress-Strain Behaviour, Economic and Environmental Feasibility

Natalie E. Woods

Estimating Sudan Nile Water Withdrawals During the 20th Century Using a Water Balance Approach

Master of Science in Civil and Environmental Engineering

Course I

Department of Civil and Environmental Engineering

Harry Aaron Birnbaum

(See also M.B.A., Course XV)
Implementation of a Mathematical Approach to Rip Saw Arbor Design and Scheduling

Mengpei Chen

(See also M.B.A., Course XV)
Raw Material Optimization to Bend the Biopharmaceutical Cost Curve

Brandy Nicole Forehand

(See also M.B.A., Course XV)
Strategic Sourcing of Serial Production Processes in Jet Engine Manufacturing

Monica Gabriela

(See also M.B.A., Course XV)
Drug Substance and Drug Product Manufacturing Strategy Assessment for siRNAs

Deborah Go

(See also M.B.A., Course XV)
Improving Inventory Management to Increase Profitability

Omar Kahil

(See also M.B.A., Course XV)
Capacity Management for Low Cost Storage

Kirby J. Ledvina

(February, 2021)
A Computational Study of Flexible Routing Strategies for the VRP with Stochastic Demands

Ipek Bensu Manav

Texture-Informed Approach for Hurricane Loss Estimation: How Discounting Neighborhood Texture Leads to Under-Valuing Wind Mitigation

Yue Meng

(September, 2020)
Jamming Transition and Emergence of Fracturing in Wet Granular Media

Ellen Franklin Morgan

(See also M.B.A., Course XV)
Decoupling Continuous Manufacturing Processes to Increase New Product Valuation

Bryan Wen Xi Ong

(See also S.M.Building Tech., Course IV)
Machine Learning for Human Design: Developing Next Generation Sketch-Based Tools

David Victor Pedroni

(See also M.B.A., Course XV)
Tailored Base Surge Policy for Middle Echelon in Biologics Supply Chain

Yu Qiu

Wetting Transition and Fluid Trapping in a Microfluidic Fracture

Katherine Suzanne Rawden

(See also M.B.A., Course XV)
Leveraging Big Data and Machine Learning to Evaluate the Impact of Material and Process Variability on the Quality Performance of the Vicryl+ Value Chain

Pedro Vasconcelos Bettencourt Teixeira Queirós

(See also M.B.A., Course XV)
Modeling Total Delivered Cost in the Automotive Industry

Peter Douglas Witt, Jr.

(See also M.B.A., Course XV)
High Velocity Supply Chain: Redesigning a Long Lead Time, Short Shelf Life Supply Chain

Liza C. Xu

(See also M.B.A., Course XV)
Identifying Risk Exposure in a Global Retail Supply Chain

Master of Engineering in Advanced Manufacturing and Design

Course II-P

*Department of Mechanical
Engineering*

Abigail Jeanine Campbell

(September, 2020)

Machine Vision System for In-Process
Inspection on an Automated Peptide
Manufacturing Platform

Chun Cheng Hsu

(February, 2021)

Investigation of Ion Transfer Efficiency
Through Multi-Channel Capillaries for
a Desorption Electrospray Ionization
(DESI) Interface

Robyn Wen-Yi Lee

(February, 2021)

Development of Solutions to Reduce
Variability in Material Flow at a Factory

Gauthier Bruno Pierre Jacques Lemoine

(September, 2020)

Classification on Real-Time Videos
of Galvanized Steel Surface Defect
Using Support Vector Machines and
Convolutional Neural Network, Based on
Data Created by Generative Adversarial
Networks

Rishab Mardia

(February, 2021)

Financial Analysis in Multidisciplinary
Design Optimization

David Richard Mimery

(September, 2020)

Multidisciplinary Design Optimization of
Part Geometry in CAD

Benjamin David Russell

(September, 2020)

Retention Time and Solvent
Concentration Prediction for an
Automated Peptide Manufacturing
Platform

Nagashumrith Venkata Vinakollu

(February, 2021)

Evaluation of Ion Transfer Capillary
Geometry on Sensitivity of a Desorption
Electrospray Ionization and Mass
Spectrometry System

Yang Wang

(February, 2021)

Optimization of Material Flow by
Lean Tools and RFID Integration into a
Vendor-Involved eKanban System

Sara Mae Wilson

(September, 2020)

Fault Detection in a Continuous
Production Line Using Adaptive Control
Chart Limits

Liudi Yang

(September, 2020)

Product Purity Prediction and Anomaly
Detection for an Automated Peptide
Manufacturing Platform

Antoine Yazbeck

(September, 2020)

A Case Study of Multidisciplinary Design
Optimization Implementation Process
Management

Kaili Yu

(September, 2020)

Multi-classification and Object Detection
in Intelligent Manufacturing

Master of Science in Mechanical Engineering

Course II

*Department of Mechanical
Engineering*

Bernardo Aceituno Cabezas

(February, 2021)

Certified Grasping

Mohamad Ayad A Alrished

(September, 2020)

A Quantitative Analysis and Assessment
of the Performance of Image Quality
Metrics

Elnaz Azolaty

(September, 2020)

(See also M.B.A., Course XV)
Workflow Evaluation of Key Work
Packages in Drug Product Technologies

Jennifer Lee Beem

Parameterized Shape Adaptive Material:
A New Design Method for Inclusive
Sportswear

Ross Anthony Bonner

(September, 2020)

Design and Development of a Novel
Liquid Desiccant Air-Conditioning
System

Caitlin Marie Braun

(See also M.B.A., Course XV)

Breaking the Mold on Job Shops

Nicole Alejandra Bustos

Mini-Portable Rheometer: A Device for
the On-Site Rheological Characterization
of Viscoelastic Fluids

Ann Chen

Design and Analysis of Nonthermal
Plasma Electrolytic Cells for Ammonia
Synthesis

Matthew Thomas Chignoli

(February, 2021)

Trajectory Optimization for Dynamic
Aerial Motions of Legged Robots

Grace B. Connors

Predictive Time-Variant Photovoltaic
Electrodialysis Reversal: A Novel Design
Optimization Using Predictive Machine
Learning and Control Theory

Margaret Grace Cutlip

(See also M.B.A., Course XV)

An Analytical Approach to Inventory
Management for Telecommunications
Network Equipment

Levi Michael DeLuke

(See also M.B.A., Course XV)

Predictive Modeling and Optimization of
Autoinjector Manufacturing

Somayajulu Dhulipala

Enhancing Injectability and Viability of
Cells using Viscoplastic Lubricated Flows

Carlos Daniel Díaz Marín

Rational Fabrication of High-Performance
and Scalable Opal Crystals for Thermo-
Fluidic Applications

Tom McGlenon Dillon

Computational Modeling and Treatment
Optimization of Acute Endovascular and
Respiratory Conditions

Elliott Seto Donlon

(September, 2020)

Assessment of High-Value Near-Term Engineering Innovations for Indian Sanitation

Jeffrey William Epperson

(See also M.B.A., Course XV)

Creating Optimized Value Creation Conditions: An Additive Manufacturing Model

Andrew Scott Fabian

(See also M.B.A., Course XV)

Effective Integration of Additive Manufacturing at a Large Manufacturing Company

Hannah Lee Feldstein

Tri-Phase Emulsions as Tunable Liquid Lenses with Aberration Correction

Joshua S. Fishman

Soft Aerial Manipulation

Zi Hao Foo

Computational Modeling of Osmotically Assisted Membrane Separations with Multicomponent Solution-Diffusion Theory

Clare Austin Frigo

(See also M.B.A., Course XV)

Network and Workflow Design and Standardization in a Large Distribution Center

Kyprianos Agioub Gkirkgis

Stochastic Ocean Forecasting with the Dynamically Orthogonal Primitive Equations

Samuel Dutra Gollob

Generalizable Modelling Of Vacuum-Powered Soft Actuators and Its Use in Design for Mechanical Assistive Applications

Andrew H. Griese

Relaxation of Dense Suspensions

David Andrew Griggs

(February, 2021)

Design and Validation of a High-Pressure Laser Melting System

Matthew Warren Hait

(See also Naval E., Course II)

A Hydrodynamic Analysis and Conceptual Design Study for an External Storage Enclosure System for Unmanned Underwater Vehicles

Benjamin Hamilton

(February, 2021)

Analysis of Cryogenic Cooling of Toroidal Field Magnets for Nuclear Fusion Reactors

Kristan Muno Hilby

Hydrogen Fuel Cell Driven Origami-Inspired Large-Elongation Soft Robot Modules

Yiwen Hu

Nanomechanical Analysis of Coronavirus Spike Proteins and Correlation with Infectivity and Lethality

Cody L. Jacobucci

Design and Optimization of Adsorption Systems for Air Conditioning and Atmospheric Water Harvesting

Joshua David John Rathinaraj

Time-Resolved Linear and Non-Linear Rheology of Thixotropic and Aging Complex Fluids: Application to Particulate and Biopolymeric Physical Gels

Eleftherios Kaklamanis

(February, 2021)

Spectral Discrimination of Fish Shoals from Seafloor in the Gulf of Maine During the Ocean Acoustic Waveguide Remote Sensing (OAWRS) 2006 Experiment

Emily Alexis Kamienski

Fall Prediction Model for a Reconfigurable Mobile Support Robot

Matthew Alexander Kilby

(See also M.B.A., Course XV)

Creating Good Jobs in Automotive Manufacturing

Ryan Koeppen

Design of Electromechanical Attachments for Improved Ultrasound Imaging Repeatability

Bon Ho Koo

The Exploration of KNN-based Neural Control of Pneumatically Actuated Artificial Muscle

Jin Soo Lee

(See also M.B.A., Course XV)

Determining Optimal Supply Level for Intermittent and Low Demand Parts

Buxuan Li

(February, 2021)

Synthesis and Characterization of High Thermal Conductive Polymers and Fabrication of Polymer Based Thermal Strap

ZhiYi Liang

Quantifying the Energetic Costs of Photovoltaic Pumping Systems (PVPS) for Sub-Saharan African Smallholder Farms

Yunpeng Liu

(February, 2021)

Remote Epitaxy of III-N Membranes on Amorphous Boron Nitride

Catherine A. LiVolsi

(September, 2020)

Lubrication in the Ball and Socket Joint of a Swash Plate Mechanism

Trang N. Luu

(September, 2020)

Impact of Surface Area and Porosity on the Cooling Performance of Evaporative Cooling Devices

Nathan Ellis Maxwell

(See also S.M.(N.A.M.E.), Course II)

Design of a Trailer Capable, Open Ocean Sailing Yacht

Aaron Max Melemed

(February, 2021)

Identifying Interface-Dominated Behavior and Cell Configuration Effects on the Electrochemistry of Calcium Foil Anodes

Emily Madeline Mellin

(See also Naval E., Course II)

Using Biomimetics to Improve the Maneuvering Performance of the Expendable Mobile Antisubmarine Warfare Training Target (EMATT)

Brian Taylor Mills (See also S.M.(N.A.M.E.), Course II) Solving Time-Alignment Challenges in Shipboard Non-Intrusive Load Monitoring	Stefano Pineda Feasibility Assessment for Amine-Based Shipboard Carbon Capture	Sarah Jenesen Southerland (February, 2021) Utilization of High Contaminant Recycled HDPE in Concrete Aggregate and Investigation into Additional Industrial Applications
José María Moreu Gamazo (February, 2021) High-order Tuners for Convex Optimization: Stability and Accelerated Learning	Ryan Joseph Mar Poon Design and Control of a Mounted Robotic Arm Tool Changer and Measurement Tools for Agriculture	Jamison Slater Soybel (See also M.B.A., Course XV) Designing a Make vs. Buy Strategy for Expendable and Attributable Aircraft Engine Development
Zachariah Keith Morey (See also M.B.A., Course XV) Integrating Machine Learning into Data Analysis and Plant Performance	Daniel Raymond Whitlock Reilly (See also M.B.A., Course XV) Implementing Virtual Reality Based Digital Twins in Automotive Manufacturing	Stephan Thorner Stansfield Dynamic Primitives in Human Manipulation of Complex Objects
Steven Andrew Musselwhite (See also Naval E., Course II) Methods to Reduce Backlogged Maintenance of Los Angeles Class Submarines	Catalina Kim Le Rico Polyurethane Sealant to Mitigate Crack Effects in Glass-to-Metal Sealed Underwater Connectors	Riley M. Steindl (February, 2021) Developing the Detectability, Identifiability, and Trackability Analysis for the Space Sustainability Rating
Duncan Allison O'Boyle Integrated Disposable Microfluidic Tissue Chips	Andrew Scott Rodriguez (See also M.B.A., Course XV) Applying Lean Manufacturing Concepts to a High-Mix Low-Volume Make to Order Environment	Eric M. Stewart Electroactive Polymer Actuators: Theory and Computations
Cormac O'Neill Safe Tumbling of Heavy Objects Using a Two-Cable Crane	Andrew Roley (See also Naval E., Course II) Evaluation and Characterization Testing of Liquid Fuel Cell Chemistry for Applications in Unmanned Underwater Vehicles	Trevor James Thompson (See also M.B.A., Course XV) Modeling Air Source Heat Pump Adoption Propensity and Simulating the Distribution Level Effects of Large-Scale Adoption
Joseph William O'Connell (See also S.M.(N.A.M.E.), Course II) Shipboard Fault Detection, Marine Micro-Grid Power Diagnostics and Vessel Ventilation Monitoring	Michael T. Schoder (See also M.B.A., Course XV) Distribution Network Optimization to Reduce Process Variability and Improve Throughput for an Online Retailer	Tatjana Toeldte (See also M.B.A., Course XV) Data-Driven Business Model Strategy Development for Incumbents in B2B Markets
Anthony Johnson Papa (See also M.B.A., Course XV) Unit Hours as a Key Performance Indicator	Alexander Lorne Scott (See also Naval E., Course II) Development of Longitudinal Stability Criteria for Surface Submarines Through Use of Near Real Time Modeling	Hannah Martin Varner (September, 2020) Architecture and Unit Design of a Capital Cost Optimized, Household Electrodialysis Desalination Device with Continuous Flow
So Young Michelle Park (See also M.B.A., Course XV) Reliability Analysis of Boeing's Dreamlifter Large Cargo Freighter	Kaymie Sato-Hayashi-Kagawa Shiozawa Towards the Development of an Adaptive Rehabilitative Device	Sandra L. Walter (February, 2021) Understanding Our Students: How Aspects of Students' Pre-Collegiate Lives Correlate with Self Advocacy, Confidence, and Risk Taking
Abhishek Patkar (September, 2020) Concave-Convex Parametrization and Neural Network Based Nonlinear Adaptive Controller	Alexander E. Siemann A System for High-Throughput Materials Exploration Driven by Machine Learning	Chad Thomas Wilson Design, Modeling and Characterization of a Multiscale Heat Exchanger for High-Temperature, High-Pressure Applications
Felix Piavsky (February, 2021) Automatic Detection and Tracking of Fish Shoals over Large Areas Using Ocean Acoustic Waveguide Remote Sensing (OAWRS)	Ankita Singh (See also M.B.A., Course XV) Applications of Machine Learning and First-Principle Modeling to Evaluate Design Enhancements in Autoinjectors	

Emily Wu
High Throughput, Multiplex
Quantification via Nucleic Acid Chemical
Reaction Network Perturbation

Jiayuan Wu
(See also M.B.A., Course XV)
Leveraging Data Analytics to Evaluate
Proactive Interventions to Prevent
Inventory Defects

Sarah J. Wu
A Multifunctional Patch for Minimally
Invasive Tissue Sealing: Design Strategies
and Applications

Master of Science in Naval Architecture and Marine Engineering

Course II

*Department of Mechanical
Engineering*

Declan Benedict Gaylo
Effects of Power-Law Entrainment on
Bubble Fragmentation Cascades

Nathan Ellis Maxwell
(See also S.M., Course II)
Design of a Trailer Capable, Open Ocean
Sailing Yacht

Brian Taylor Mills
(See also S.M., Course II)
Solving Time-Alignment Challenges
in Shipboard Non-Intrusive Load
Monitoring

Joseph William O'Connell
(See also S.M., Course II)
Shipboard Fault Detection, Marine
Micro-Grid Power Diagnostics Vessel
Ventilation Monitoring

Master of Science in Materials Science and Engineering

Course III

*Department of Materials Science
and Engineering*

Timothy Samuel Fountain
(See also Naval E., Course II)
The Effect of Co on the Deformation
Response of Fe-Mn Alloys

William Hunt Harris
(September, 2020)
Machine Learning Transferable Physics-
Based Force Fields using Graph
Convolutional Neural Networks

Maria Rose Ronchi
Hydrogen-Induced Transformations in
Metastable High Entropy Alloys

Teppei Suzuki
Development of an Electrochemical
Method to Investigate the
Thermodynamic Behavior of Lanthanum
and Sulfur in Liquid Steel

Mengyi Wang
(September, 2020)
Multiscale Computational Modeling of
Nanofluidic Transport

Drew Michael Weninger
Photonic Integrated Circuit Packaging
Using Silicon Based Optical Interconnects

Fan Yang
(February, 2021)
Achromatic and Wide Field-of-View
Metalens Design

Xiang Zhang
Computational Studies of PbS Quantum
Dots

Master of Engineering in Electrical Engineering and Computer Science

Course VI-P

*Department of Electrical
Engineering and Computer
Science in conjunction with the
Schwarzman College of Computing*

Helen Abadiotakis
(September, 2020)
Identifying Patterns of Learning: A
Case Study of MIT's Introductory
Programming Course (6.000x)

Katherine E. Adams
Understanding Correlated Threats to
Department of Defense Energy Systems

Janak Agrawal
(September, 2020)
Distributed Parameter Estimation for
Complex Energy Systems

Rebecca A. Agustin
(February, 2021)
A Load Identification and Diagnostic
Framework for Aggregate Power
Monitoring

Shahul Alam
(September, 2020)
Developing Software for Compressed
Imaging Transcriptomics

Simon C. Alford
Modular Reasoning on ARC via
Bidirectional, Execution-guided Program
Synthesis

Ebrahim D. Al Johani
(September, 2020)
Surface Transfer Doping of Diamond for
Power Electronics

Meia L. Alsup
(September, 2020)
Forecasting Electricity Demand in the
Data-Poor Indian Context

Varkey T. Alumootil
(See also S.B., Course VI-3)
Data-Efficient Offline Reinforcement
Learning with Heterogeneous Agents

Eswar Anandapadmanaban
(September, 2020)
vMCC: A Virtual Reality Framework for
Augmenting Mission Control Operations

Katharine E. Bacher
Direct Manipulation Techniques for
Creation of Multiple-View Visualizations

Nadya L. Balabanska
(September, 2020)
Motion Planning with Dynamic
Constraints Through Pose Graph
Optimization

Damian S. Barabonkov
Guarda: A Web Application Firewall for
WebAuthn Transaction Authentication

Roderick S. Bayliss III
(February, 2021)
Design, Implementation, and Evaluation
of High-Efficiency High-Power Radio-
Frequency Inductors

Eden Bensaid (February, 2021) Multimodal Generative Models for Storytelling	Lujing Cen Learned Encodings in SageDB	Evan L. Denmark (September, 2020) A Technical Analysis of Photogrammetry with Reality Capture
Jackson R. Bernatchez Clustering-Based Methods for Clinical Risk Prediction of Rare Missense Variants	Megan C. Chao (February, 2021) Physically Accurate Collisions for StarLogo Nova	Kenneth A. Derek Mutli-Agent Quality Diversity in Reinforcement Learning
Matthew J. Beveridge Consistent Depth Estimation in Data-Driven Simulation for Autonomous Driving	Nicholas G. Charchut (September, 2020) Implementation of a Cross-Platform Automated Bayesian Data Modeling System	Thomas O. Dudzik (September, 2020) Robust Autonomous Navigation of a Small-Scale Quadruped Robot in Real-World Environments
Darian Bhathena Improving AI and ML Techniques for the Objective Assessment of Depression	Lantian Chen (September, 2020) Learning about Media Users from Movie Rating Data	Murielle Dunand Tools and Curricula for Low-Vision Accessible Apps in MIT App Inventor
Srilaya Bhavaraju (September, 2020) Using Machine Learning for Analysis of Neuronal Network Activity	Sabina W. Chen Developing Integrated Infrastructures for Closed-Loop Interactive Systems	Mahalaxmi Elango Rewriting the Rules of a Classifier
Soorajnath Boominathan (September, 2020) Learning Treatment Policies for Empiric Antibiotic Prescription	Seri Choi (February, 2021) An Empirical Study Identifying Bias in Yelp Dataset	Saroja Erabelli (September, 2020) pyFHE - A Python Library for Fully Homomorphic Encryption
El Bachir Boumhaout (September, 2020) A CAD Tools for Supermind Design	Jeff T. Chow (February, 2021) Certified Control in Autonomous Vehicles with Visual Lane Finding and LiDAR	Yu Liang Fang (February, 2021) Instruction-Level Power Consumption Simulator for Modeling Simple Timing and Power Side Channels in a 32-bit RISC-V Micro-Processor
Kalyn Bowen StarLogo Nova Dashboard for Teachers	Ian J. Clester (September, 2020) RFID Localization for Interactive Applications	Sarah R. Flanagan Modular Interactive Modeling for Control and Simulation of Electric Power Systems
Yun X. Boyer (September, 2020) Identifying and Assessing the Severity of Acute Respiratory Distress Syndrome with Machine Learning Methods	Peter B. Crocker Explorations In Physically Verified PCB Design Using Deep Reinforcement Learning	Diana J. Flores Using High-Performance Computing to Scale Generative Adversarial Networks
Eric Mahathvan Bradford (February, 2021) Interactively Designing Robots in Mixed Reality Using Gestural Control	Shiloh Curtis A Hierarchical Algorithm for Probabilistically Complete Path Planning in Multi-Floor Environments	Sanjay Ganeshan (February, 2021) Mesh Regularization for Multi-View Shape Reconstruction via Inverse Graphics
Haris Brkic (February, 2021) FMCW RFID Backscatter Localization	Miles J. Dai Reverse Engineering the Intel Cascade Lake Mesh Interconnect	Austin J. Garrett (February, 2021) Testing Model and Inference Programs for Generative Scene Graphs
Joshua T. Brunner Computational Complexity of Some Puzzles and Games	Alenta Demissew Integrating Grade Prediction for Better Student Support in MIT's Introductory Programming Course	James H. Gilles (September, 2020) The Lottery Ticket Hypothesis in an Adversarial Setting
Benjamin G. Cary Design and Optimization of Umbo Microphone for Fully Implantable Assistive Hearing Devices		

Linda Z. Gong Tolerant Testing of Regular Languages in Sublinear Time	Joshua Ryan Hilke Security Monitoring of Real-time Systems	Kamoya Korede Ikhofua (February, 2021) Linguistic and Cultural Preservation: Building the First Online Dictionary and Repository of the Yoruba Language
Divya Gopinath (September, 2020) ML-Driven Clinical Documentation	Jenna Himawan (See also S.B., Course VI-3) Iterative Improvement of Practice Exercises By Students and Staff	Soo Jung Jang Designing Parent-Child-Robot Triadic Storybook Reading Interaction
Edward M. Goul Smooth Interpolation on Series of Measures	Cole R. Hoffer (February, 2021) Superconducting Qubit Readout Pulse Optimization Using Deep Reinforcement Learning	Adarsh Keshav S. Jeewajee (September, 2020) Adversarially-Learned Inference via an Ensemble of Discrete Undirected Graphical Models
Rachel Ann Green Designing and Testing a Mobile Creative Coding Application for Children	Zachary N. Holbrook ProgGen: Automatic Dataset Generation for the Halide Domain Specific Language	Mumin Jin Machine Learning Methods for Super-Resolution in Sparse Sensor Arrays
Peter A. Griggs (February, 2021) Database Updates Using Interactive Pan and Zoom Visualizations	Toby W. Holtzman (September, 2020) A Counting: System Architecture and Implementation of a Voice Portrait of the United States	Malvika Raj Joshi Pretending to be Quantum: A Study of IQP-based Tests of Quantumness
Katharina V. Gschwind Model Compression and AutoML for Efficient Click-Through Rate Prediction	Daniel I. Hong Implementing a File Architecture for a Database Operating System	Meredith H. Julian (See also S.B., Course VI-3) Polyhedral Code Transformation for Julia
Grant W. Gunnison (September, 2020) Development of the Electronics Architecture for a Compact Lasercom Fine-Pointing System	David E. Houle, Jr. Analysis of the Position-Dependent Error in FTM RTT Indoor Navigation	Ivan C. Jutamulia Expected Possession Value: An Evaluation Framework for Decision-Making, Strategy, and Execution in Basketball
Xiaolu Guo Predicting Aortic Stenosis Severity using Deep Learning	Claire C. Hsu Unified Graph Framework: Optimizing Graph Applications across Novel Architectures	Nicolaas M. Kaashoek CheckSync: Transparent Primary-Backup Replication for Go Applications Using Checkpoints
Keshav Gupta (See also S.B., Course VI-2) Efficient Computation of Map-scale Continuous Mutual Information on Chip in Real Time	Emily D. Hu (February, 2021) Dance2Music: An Exploration of Music Creation through Dance in Virtual Reality	Sule Kahraman Validation, Calibration and Uncertainty Quantification of the WOFOST Crop Growth Simulation Model
Helen M. He Performance Engineering of Reactive Molecular Dynamics Simulations	Alexander Huang (September, 2020) Software Defined Memory Ownership System	Endrias K. Kahssay (February, 2021) A Fast Concurrent and Resizable Robin Hood Hash Table
Anthony Hernandez An Evaluative and Recommendary Tool to Make Sustainable Urban Development Decisions	Ruixue Louisa Huang (September, 2020) Parallel Five-Cycle Counting Algorithms	Isabella Lin Kang (See also S.B., Course VI-3) Few-Shot Semi-Supervised Robust Text Classification with MAML
Michael D. Hiebert (See also S.B., Course VI-3) Cross-Frame Association of Handheld-Radar-Based Detections of People and Animals with Gait Analysis	Matthew D. Huggins (February, 2021) Relational Dialogue	Sai Veda Pramoda Karnati (February, 2021) Automatic Assessment of Mammographic Images: Positioning and Quality Assessment

Kapaya Katongo Joker: A Unified Interaction Model For Web Customization	Lukas C. Lao Beyer (February, 2021) Multi-Modal Motion Planning Using Composite Pose Graph Optimization	Kevin A. Lyons Automated Force-Velocity Profiling of NFL Athletes via High-Frequency Tracking Data
Mesert Kebed (September, 2020) RNA Velocity Analysis for Perturb-Seq	Lucy Ruxi Lee (See also S.B., Course VI-2) Denial of Service Attacks in MANETs	Jingwei Ma Totems: Verifying the Integrity of Visual Information using Neural Light Fields
Sean J. Kent Advanced Laboratory Exercises for MIT's Electronics First Curriculum	Sam Seunghun Lee (February, 2021) Single Molecule Detection and Classification Using Nanogaps	Tugsbayasgalan Manlaibaatar (September, 2020) Optimizing Parallel Graph Algorithms by Extending the GraphIt DSL
Ashley Hyowon Kim (September, 2020) The Impact of Platform Vulnerabilities in AI Systems	Yuan Lee (See also S.B., Course VIII) Multiplexed Quantum Networks for High-Fidelity Entanglement Distribution	Jordyn L. Mann (February, 2021) Neural Bayesian Goal Inference for Symbolic Planning Domains
Dain Kim Imitation Learning for Sequential Manipulation Tasks: Leveraging Language and Perception	Helen Li Nota Bene V2 - Understanding and Implementing Methods for Synchronous and Collaborative Learning	Gabriel B. Margolis Learning Robust Terrain-Aware Locomotion
Milo Henry Lovelace Knowles (September, 2020) Toward Robust Deep Stereo Networks: Uncertainty Learning, Novelty Detection, and Online Adaptation	Justin K. Lim Identifying Heterogeneity in Decision-Making	Damien W. Martin (February, 2021) Deep Unsupervised Fault Detection For Manufacturing Equipment
Rohan S. Kodialam (September, 2020) Pipelines for Deep Contextual Patient-Level Clinical Outcome Prediction	Yong Hui Lim (See also S.B., Course VI-3) Transformer Pruning Relation and General Neural Network Augmentation	Shana Mathew Scheduling in a Database-Based Distributed Operating System
Alon Z. Kosowsky-Sachs Multimodal Contrastive Learning	Jing Lin (September, 2020) De-Identification of Free-Text Clinical Notes	Brooke Chelsea McGoldrick Ising Machine Based on Electrically Coupled Spin Hall Nano-Oscillators
Tim Kralj Integrating Julia and OpenCilk	Cynthia T. Liu Understanding Vision-based Dynamics Models	David Mejorado III Multi Array, Conformable Ultrasound Patch for Soft Tissue Imaging
Dheekshita Kumar Reinforcement Learning for Energy Storage Arbitrage in the Day-Ahead and Real-Time Markets with Accurate Li-Ion Battery Dynamics Model	Steven X. Liu (See also S.B., Course VI-3) Editing Conditional Radiance Fields	Zachary Michael Metzman A Modern Approach for Measuring Environmental, Social, and Governance Preferences
Sapna Kumari (September, 2020) Programming of Energy Systems Analysis	Sebastian A. Lopez-Cot (September, 2020) Learning to Teach in Multiagent Reinforcement Learning with Teams of N > 2 Agents	Jeet Mohapatra Generalizing Robustness Verification for Machine Learning
Avery Lamp Monkey: An Easy to Use Heterogeneous Hybrid-Cloud Cluster Compute System Designed for AI/ML	Kara F. Luo (September, 2020) Dynamic Incentives for Pro-Social Cities: An Application to Affordable Housing	David Morejon Parametric Inversion of Programs

Felipe I. Moreno (February, 2021) (See also S.B., Course VI-3) Expresso-AI: A Framework for Explainable Video Based Deep Learning Models Through Gestures and Expressions	Edward Q. Nguyen (September, 2020) Using Intelligent Load Adjustment to Find Feasible Power Flows in Emergency Situations	Neha Prasad Beneficial Initializations in Over-Parameterized Machine Learning Problems
Yukimi Morimoto Investigation of Ultra-Low Power CMOS GHz Circulator	Long P. Nguyen (February, 2021) Exploring Learned Join Algorithm Selection in Relational Databases	Qi Qi (See also S.B., Course VI-3) An Efficient Data Structure for Implementing Splitter Hyperobjects in Task-Parallel Systems
Noah F. Moroze (February, 2021) Kronos: Verifying Leak-Free Reset for a System-on-Chip with Multiple Clock Domains	Sam D. Nguyen (September, 2020) Automated Attack Tree Generation and Evaluation: Systemization of Knowledge	Ravi Rahman Sancus: A Decentralized, Privacy-Preserving, Trustworthy Bank
John R. Murphy (September, 2020) Neural Network Fitness Function for Optimization-Based Approaches to PCB Design Automation	Eshaan Nichani An Empirical and Theoretical Analysis of the Role of Depth in Convolutional Neural Networks	Lara I. Rakocevic (February, 2021) Synthesizing Controversial Sentences for Testing the Brain-Predictability of Language Models
Elizabeth Katherine Murray Design of Area-Efficient Integrated Gate Drivers	Claire M. Nord (September, 2020) Retry-Free Software Transactional Memory for Rust	Soumya P. Ram (See also S.B., Course VI-3) Using Co-Evolutionary Information to Improve Protein Language
Nikhil Murthy (February, 2021) (See also S.B., Course VI-3) Probabilistic Scene Representation Networks	Candace B. Okumko (February, 2021) Improving the Efficacy of Teacher-Facing Analytics Dashboards for Game-Based Assessment and Beyond	Gabriel L. Ramirez (See also S.B., Course VI-3) Codon: A Framework for Pythonic Domain-Specific Languages
Urmi Mustafi (February, 2021) Investigating System Resilience in Distributed Evolutionary GAN Training	Baltazar G. Ortiz (September, 2020) A Reference Model for the PIPE Security Coprocessor	Sushrutha P. Reddy (September, 2020) Coresets for Fast Bayesian Inference in Dirichlet Process Mixture Models
Mergen Nachin (September, 2020) Scaling RFID Positioning Systems Using Distributed and Split Computing	Simran K. Pabla Road Traffic Flow Prediction Using Aerial Imagery	Yaateh H. Richardson Iterative LDP
Faraaz Nadeem (September, 2020) Using Audio Features in Reinforcement Learning for Videogames	Ian A. Palmer Spoken ObjectNet: Creating a Bias-Controlled Spoken Caption Dataset	Elijah E. Rivera Preserving Memory Safety in Safe Rust during Interactions with Unsafe Languages
Moin Nadeem (February, 2021) Investigating Factuality with Language Models	Ashisha N. Persad Peak Current Mode Driver for Thermoelectric Cooler	Andrew Rouditchenko Learning Audio-Video Language Representations
Kaveri Nadhamuni (See also S.B., Course VI-3) Adversarial Examples and Distribution Shift: A Representations Perspective	Kade L. Phillips (September, 2020) The THRIFT Parser	Ileana Rugina Meta-Learning and Self-Supervised Pretraining for Few-Shot Image Translation
	Phoebe K. Piercy Improving Impulse Audio Source Separation using Generative Adversarial Networks for Phase Generation	Ryan M. Sander Interpolated Experience Replay for Improved Sample Efficiency of Model-Free, Off-Policy Deep Reinforcement Learning Algorithms

Joanna M. Sands (September, 2020) Modular Device for Wireless Optically Stimulated Neuromodulation in Free Behaving Models	Ellie Louise Simonson (February, 2021) Semi-Supervised Classification of Social Media Posts: Identifying Sex-Industry Posts to Enable Better Support for Those Experiencing Sex-Trafficking	Arman J. Talkar Flow: A Microservice Architecture for Achieving Confidence in the Compatibility of Deployed Microservices
Margaret E. Sands (September, 2020) Method for Visually Augmented High Dimensional Sensitivity Analysis	Aaditya K. Singh (See also S.B., Course VI-3) Deep Attentional Modulation for Zero-Shot Learning in Object Recognition	Allison Chelsea Tam (September, 2020) Structure-Based Deep Learning Methods for Screening Combination Drug Therapies
Gabriel J. Schneider Infection Detection of Surgical Wounds Given Image Input Data	Arlene E. Siswanto (February, 2021) Block Sparsity and Weight Initialization in Neural Network Pruning	Michelle Tan Stabilizing Demonstration Trajectories of Linear Deformable Objects for Robotic Shoe Tying
Ebenezer Sefah Interactive History Support for the Exploratory Design of Data Visualizations	Tanya N. Smith Data Driven Surrogate Models for Faster SPICE Simulation of Power Supply Circuits	Kunal Tangri (February, 2021) Using Natural Language to Predict Bias and Factuality in Media with a Study on Rationalization
Karunya Anantha Sethuraman (September, 2020) Applying Dynamic Displays and Ecological Testing to Cognitive Testing	Taylor Sorenson (February, 2021) Interpreting Raman Spectra Using Machine Learning: Towards a Non-Invasive Method of Characterizing Single Cells	Tho Tran Load Balancing in Clustered Storage
Nur Muhammad Shafiullah (September, 2020) Understanding Feature Learning in Deep Neural Networks through the Lens of Data Poisoning Attacks	Garrett M. Souza Mediating the Marginal: A Computational Analysis of Representational Hierarchies, Aesthetic Tourism, and Queer Imagination on Instagram	Andy Tso Language Models Predict Drug Resistance from Complex Sequence Variation
Chetan Sharma (February, 2021) Automatic Modeling of Machining Processes	Aditi H. Srinivasan (February, 2021) Measuring and Optimizing for Network Conditions on Drones	Matthew C. Tung An Implementation of Autonomy and Robotic Manipulation for an Oyster Bag Flipping Surface Vehicle
Daniel B. Sheen A UHF Multimode Array Feed for the Westford Radio Telescope	Nickolas Stathas An Expressive Framework for High-Throughput Graph Neural Network Training on Large Graphs	Samuel L. Ubellacker Grasping Static and Moving Targets with a Soft Drone: Control and Prediction
Kristin Marie Sheridan Graph Factorization and Pseudofactorization with Applications to Hypercube Embeddings	David Benjamin Stein (September, 2020) Efficient Homomorphically Encrypted Privacy-Preserving Automated Biometric Classification	Tenzin S. Ukyab Learned Scheduling for Database Management Systems
Michael Andreevitch Shumikhin (September, 2020) Quantitative Measures of Crowding Susceptibility in Peripheral Vision for Large Datasets	Mengyuan Sun (September, 2020) Graph Partitioning Methods on NVRAM	Héctor J. Vázquez Martínez (February, 2021) The Acceptability Delta Criterion: Memorization Is Not Enough
Sanja Simonovikj Towards Understanding Human-Aligned Neural Representation in the Presence of Confounding Variables		José I. Velarde Morales (September, 2020) New Methods for Studying Old Work
		Joshua Verdejo (See also S.B., Course VI-2) Creating Novel Applications for EIT-Based Devices Through a Mobile Enabled API

Rohil Verma (September, 2020) A Machine Learning Automation System for Utilization Management	Elizabeth R. Weeks (See also S.B., Course VI-3) Actual Causality in Autumn	Alexander Y. Yang Predicting Individual Components of the SOFA Score using Multi-Task Learning
Stuti Vishwabhan TaskLight: A Groupware System to Facilitate Requesting and Managing Help in Teams	Quentin Wellens Natural Language Interfaces for Data Analytics	Cindy X. Yang (See also S.B., Course VI-2) Data-Efficient Offline Reinforcement Learning on Heterogeneous Agents via Latent Factor Representation
Suchan Vivatsethachai Robustness of Consistent Loss Functions for Multinomial Outcome Models	Erica X. Weng (September, 2020) Open-Ended Curriculum Learning for Continuous Control	Yejin You (February, 2021) Contrasting Contrastive and Supervised Models Interpretability
Mark Edward Vrablic (September, 2020) TactionTablet: Affordable Tactile Graphics Display	Daniel A. Whatley Snapshot: A Text-Based Snapshot Diagram for Programming Education	Joy S. Yu Empowering Students to Use, Understand, and Critically Think about Artificial Intelligence with MIT App Inventor
Michael A. Wallace (February, 2021) Bayesian Scene Understanding with Object-Based Latent Representation and Multi-Modal Sensor Fusion	Matthew E. Woicik Determining the Optimal Amount of Computation Pushdown to Minimize Runtime for a Cloud Database	Yuancheng Yu Relaying One Bit Across a Chain of Binary Symmetric Channels
Brandon L. Wang Developing Resources for Debugging Education Using Block-based Languages	Eyob W. Woldegehebriel Improved Runtimes and Lower Bounds for Dual-Edge Failure Replacement Path Algorithms	Emily T. Zhang Computational Privacy with Split Learning: Benchmarking of Algorithmic Defenses Against Reconstruction Attacks
Christopher Zhong-Liang Wang (September, 2020) Weakly Supervised Semantic Parsing for Linear Temporal Logic	Andrew D. Wong Facilitating Giving and Receiving Support in Existing Social Groups with a Journaling Chatbot	Zhaoyuan Zhang (February, 2021) A New Authoring System for Diverse Data Visualization At Scale
Crystal Wang The Application of Double Machine Learning Onto Genomics Data Associated with Amyotrophic Lateral Sclerosis	Daniel R. Wrafter Air Guardian: Intelligent Fixed Wing Flight	Diane Yue Zhou (September, 2020) Gaze Prediction in First-Person View Videos
Mike M. Wang (September, 2020) Testing Certified Control for LIDAR and Vision Perception via Physical Testing and Simulation	Julia Wu Characterizing Autism and Schizophrenia Using PRISM and Deep Learning	Erica Zhou (September, 2020) Interactive Visualization and Discovery of Possible Transmission Routes of <i>Clostridiooides difficile</i>
Tony Tong Wang Adversarial Examples in Simpler Settings	Nanette Wu JamNSync: A User-Friendly, Latency-Agnostic Virtual Rehearsal Platform for Small Music Ensembles	Jessica F. Zhu Conversational AI Agents
Xiaoyi Wang Unsupervised Text Translation Through the Application of Generative Adversarial Networks	Priscilla J. Wu Efficient Seasonal Forecasting of Application Demand with ELF	Yunyi Zhu 3D Printed Objects with Lenticular Lens Surfaces That Can Change their Appearance Depending on the Viewing Angle
Ethan J. Weber Detecting Incident Images in Social Media and Annotating Datasets at Scale	Justin H. Xiang Imaging Based Models to Improve Lung Cancer Diagnosis	Xingyu Zou Investigation on Ultra-miniature and Ultra-low-power Non-invasive CMOS pH Sensor for Intracellular Monitoring
	Adela Y. Yang Analysis of Encoding Schemes for String Indexing	

Master of Engineering in Computer Science and Molecular Biology

Course VI-7

*Department of Electrical
Engineering and Computer
Science in conjunction with the
Schwarzman College of Computing*

Eileen Hu

(February, 2021)

Refining Polygenic Risk Score Models
Through Fine Mapping and Functional
Gene Modules

Thomas W. Xiong

A Predictive Model for Pancreatic Cancer
Diagnosis

Master of Science in Electrical Engineering and Computer Science

Course VI

*Department of Electrical
Engineering and Computer
Science in conjunction with the
Schwarzman College of Computing*

Kwangjun Ahn

From Proximal Point Method to
Accelerated Methods on Riemannian
Manifolds

Ekin Akyurek

Compositional Models For Few-Shot
Sequence Learning

Abdullah Omar M Alomar

(See also S.M., Comp. Sci. & Eng)
Multivariate Singular Spectrum Analysis:
A Principled, Practical, and Performant
Solution for Time Series Imputation and
Forecasting

Taylor Hartley Andrews

(February, 2021)
(See also S.M., Engineering and Manage-
ment)
Cybersafety Tool Development for Socio-
Technical Energy Delivery Systems

Afra Ansaria

(See also S.M., Engineering and Manage-
ment)

A Decision Model on Optimising
Cybersecurity Controls using
Organisation Preferences

Maitreyi Ashok

Hardware Security with Electromagnetic
Side-Channels

Lamia Ateshian

Terahertz Second-Harmonic Generation
in Extreme-Confinement Cavities

Arjun Varman Balasingam

(February, 2021)

Throughput-Fairness Tradeoffs in Mobile
Task Fulfillment Platforms

Heather Marie Berlin

Subgrouping Ulcerative Colitis Patients
Using Administrative Claims Data

Karan Bhuvalka

(February, 2021)

(See also S.M., Technology and Policy
Program)
Assessing the Socio-Economic Risks in
Electric Vehicle Supply Chains

Jeremy Carmine Bilotti

(See also S.M.Arch.S., Course IV)

A Machine Learning Model for
Understanding How Users Value
Designs: Applications for Designers and
Consumers

Virginia Claire Blessing

(See also S.M., Technology and Policy
Program)

Towards Empirical Evaluation of
Software Security Risk

Adrianna Judith Boghozian

(February, 2021)

(See also S.M., Technology and Policy
Program)
Exploring Low-Cost Sensor Placement
Strategies within an Urban Environment

Enric Boix

(September, 2020)

The Average-Case Complexity of
Counting Cliques in Erdos-Renyi
Hypergraphs

Kaustav Brahma

Efficient CNNs and Energy Efficient
SRAM Design for Ubiquitous Medical
Devices

Ajay Rajendra Brahmakshatriya

(September, 2020)

Universal Graph Framework: Achieving
High-Performance across Algorithms,
Graph Types, and Architectures

Laura Eileen Brandt

Perceiving Shape from Surface Contours
via Artificial Neural Networks

Caroline Mai Chan

First Principles of Line Drawings

Ruicong Chen

Activity-Scaling SAR with Direct Hybrid
Encoding for Signed Expressions for
AIoT Applications

TaHang Chen

(See also S.M., Engineering and Manage-
ment)

An Artificial Intelligence Based Approach
to Automate Document Processing in
Business Area

Ching-Yao Chuang

Understanding and Estimating the
Adaptability of Domain-Invariant
Representations

Romain Cosson

Quantifying Variational Approximation
for Log Partition Function

Wangzhi Dai

(February, 2021)

Missing Data Imputation in a Clinical
Registry with Deep Generative Models

Zheng Dai

(February, 2021)

Understanding the Effects of Higher
Order Sequence Features on Peptide
MHC Binding

Yash Raghunandan Dixit

(See also S.M., Technology and Policy
Program)

Estimating Life-Cycle Carbon Emissions
of the Global Oil Supply Chain Using
Optimization in a Network Model

Jules Guillaume Jacques Benony Drean
(September, 2020)
End-to-end Quantitative Security
Analysis of Randomly Mapped Caches

Yuqin Duan
A Vertically Loaded Diamond Microdisk Resonator (VLDMoRt) Towards a Scalable Quantum Network

Felix Dumont
(See also M.B.A., Course XV)
Deep Learning Models of Scanner / Vision Tunnel Performance In Sortation Subsystems

Axel Stephan Feldmann
Designing a Programmable Hardware Accelerator for Fully Homomorphic Encryption

Nolan Robert Hedglin
(September, 2020)
(See also S.M., Technology and Policy Program)
Opportunities for U.S.-China Scientific Collaboration in Building a Global Quantum Internet

Dylan H. Hendrickson
Gadgets and Gizmos: A Formal Model of Simulation in the Gadget Framework for Motion Planning

Benjamin Ray Holmes
(September, 2020)
High Resolution Discovery of Regulatory DNA with Synthetic Wild-Type and Ablated Genome Constructs

Tianhao Huang
Designing an End-to-End Hardware Accelerator for Graph Pattern Mining

Gregoire Jacquot
(See also S.M., Technology and Policy Program)
Guiding Principles for Universal Energy Access: Integrated Distribution Frameworks and Their Implementation

Farnaz Jahanbakhsh
(February, 2021)
Understanding Questions that Arise When Working with Business Documents

Kai Jia
Towards Reliable AI via Efficient Verification of Binarized Neural Networks

Jiejun Jin
An Information-Centric Algorithm for Feature Extraction in High-Dimensional Data

Erez Kaminski
(See also M.B.A., Course XV)
The Limits of Analytics During Black Swan Events A Case Study of the Covid-19 Global Pandemic

Alexander Lew
(September, 2020)
PClean: Bayesian Data Cleaning at Scale via Domain-Specific Probabilistic Programming

Beichen Li
Computational Discovery of Microstructured Composites with Optimized Trade-Off between Strength and Toughness

Haochuan Li
On the Complexity of Nonconvex-Strongly-Concave Smooth Minimax Optimization Using First-Order Methods

Liang Li
(February, 2021)
(See also S.M., Technology and Policy Program)
Investigating the Role of Microglia in the Development of Myelin and Policy Implications of Gene Editing

Linsen Li
(February, 2021)
Field-Based Design of a Resonant Dielectric Antenna for Coherent Spin-Photon Interfaces

Qing Li
(February, 2021)
All Van der Waals Josephson Junctions

Shuang Li
(September, 2020)
Machine Social Intelligence in Virtualhome

Wei Liao
(September, 2020)
An Open-Well Organs-on-Chips Device for Engineering the Blood-Brain-Barrier

Ji Lin
Efficient Algorithms and Systems for Tiny Deep Learning

Yen-Chen Lin
Implicit Neural Representations for Robot Manipulation

Geoffrey Kazuyuki Litt
End-User Customization by Direct Manipulation of Tabular Data

Lige Liu
(See also S.M., Course XXII)
Development of a Multipurpose Near-Field Imaging Platform

Yingcheng Liu
Human Mesh Recovery Using Radio Signals

Christopher Alexander Lui
(See also M.B.A., Course XV)
An Investigation of Multivariate Process Control for Biomanufacturing

Alan Lundgard
(September, 2020)
Measuring Justice in Machine Learning

James Charles Lynch III
Effort-Independent Asthma Severity Classification

Liane Elizabeth Makatura
(September, 2020)
Pareto Gamuts: Exploring Optimal Designs Across Varying Contexts

Colin Rhodes Marcus
Multiplexer Design for a Multi-Array Ultrasonic Imaging System

Michelle Alana Marzoev
(February, 2021)
Generalizing from Synthetic to Real Data in Natural Language Processing

Vipasha Mittal
Design of a Bandgap-Less Temperature Sensor for Achieving High Untrimmed Accuracy

Shyam Sivasathya Narayanan
New Models and Algorithms for Distribution Testing: Beyond Standard Sampling

Patrick Abraham Nepsky
(See also S.M., Engineering and Management)
Enhancing Corporate Strategy Using Data-Driven Business Growth Decisions

Sergio Sebastian Pineda
(September, 2020)
Single-Cell Transcriptional Profiling of Huntington's Disease in Human and Mouse Models

Jack Yanjie Qiu
Broadband Squeezed Microwaves and Amplification with a Josephson Traveling-Wave Parametric Amplifier

Ryan William Ramseyer
(See also S.M., Technology and Policy Program)
Automated Rehosting and Instrumentation of Embedded Firmware

Sujit Kajana Rao
Macaulay Bases of Modules

Bryn Marie Reinstadler
(February, 2021)
AI Attack Planning for Emulated Networks

Saeyoung Rho
(September, 2020)
(See also S.M., Technology and Policy Program)
Estimating Lower Bounds for Time Series Prediction Error

Cipriano William Romero
In Situ Perturb-Seq of Transcriptomes and RNA Neural Recordings

Nicolas Sangwon Rothbacher
(September, 2020)
(See also S.M., Technology and Policy Program)
AI Can't Fix This: Predictive Policing "Fairness" in Context

Erik Karl Saathoff
(February, 2021)
Inrush Transient Generation and Line Impedance Estimation

Gabriel Orr Samach
Experimental Demonstration of Lindblad Tomography on a Superconducting Quantum Device

Jean-Baptiste Seby
(September, 2020)
(See also S.M., Technology and Policy Program)
Networked Interactions, Graphical Models and Econometrics Perspectives in Data Analysis

Abhin Swapnil Shah
(February, 2021)
Learning Continuous Sparse Pairwise Markov Random Fields

Maryam Shahid
(February, 2021)
(See also S.M., Technology and Policy Program)
Identity and Trust Frameworks: Design and Analysis of Identity Transactions Online

Yanjie Shao
(February, 2021)
Design and Fabrication of III-V Broken-Band Vertical Nanowire Esaki Diodes

Sandeep B. Silwal
Learning-Augmented Algorithms

John William Simonaitis
(February, 2021)
Design and Testing of a Gated Electron Mirror

Manish Singh
(September, 2020)
Deep Models for Empirical Asset Pricing (Risk-Premia Forecast) and Their Interpretability

Samuel Ronald Sledzieski
Structurally Motivated Deep Learning for Genome Scale Protein Interaction Prediction

Fan-Keng Sun
Adjusting for Autocorrelated Errors in Neural Networks for Time Series

Tao Sun
(See also S.M., Engineering and Management)
A Deep Learning Based Real-Time Pedestrian Recognition System

Aik Jun Tan
(See also M.B.A., Course XV)
Deep Learning Image Augmentation Using Inpainting with Partial Convolution and GANs

Samuel C. Tenka
(September, 2020)
A Perturbative Analysis of Stochastic Gradient Descent

Lydia Sherwood Thurman
(See also M.B.A., Course XV)
Assessing Inventory Replenishment Strategy at Target

Yi Tian
Online Reinforcement Learning in Factored Markov Decision Processes and Unknown Markov Games

Yunsheng Tian
Automating Pareto-Optimal Experiment Design via Efficient Bayesian Optimization

Thomas Tseng
(September, 2020)
Parallel Index-Based Structural Graph Clustering and Approximations

Elise Aiko Uyehara
(September, 2020)
Phase-Looking Terahertz Quantum Cascade for High Range Heterodyne Imaging

Kapil Eknath Vaidya
(February, 2021)
The Case for a Learned Sorting Algorithm

Yue Wang
(September, 2020)
Learning Point Cloud Representations

Jongchan Woo
Physical-Security for Wireless with Orbital Angular Momentum Wave

Yinhan Xu
Subcubic Min-Plus Product of Structured Matrices

Adam Uri Yaari
Multi-Resolution Modeling of a Discrete Stochastic Process Identifies Causes of Cancer

Karren Dai Yang
(February, 2021)
(See also S.M., Course XX)
Novel Methods for Learning Causal
Graphs and Applications to Biological
Data

Kathleen Linjia Yang
Design of Sparse Signaling Schemes in
Fading Wideband Channels

Yifan Yang
SpZip: Architectural Support for
Effective Data Compression In Irregular
Applications

Zhutian Yang
Modeling Humans in Maze Orienteering
Problems

Jason Zhang
(February, 2021)
MEMS-VCSEL Swept-Source Optical
Coherence Tomography for Multi-MHz
Endoscopic Structural and Angiographic
Imaging

Molin Zhang
A Pipeline for Zoomed Fetal MRI

Nicolas Xuan-Yi Zhang
(February, 2021)
(See also S.M., Technology and Policy
Program)
Encryption to Implement Mechanism
Design Solutions

Qihang Zhang
(February, 2021)
Optical Spectroscopy Study of Correlated
Electron Physics in ABC-Stacked Trilayer
Graphene

Zhoutong Zhang
Inferring Shape and Material from Sound

Tianqi Zhou
(See also S.M., Engineering and Management)
Addressing Deficiencies from Missing
Data in Electronic Health Records

Alexandra Katrina Zytak
(February, 2021)
Applying and Evaluating Machine
Learning Explanations for Real-World
Benefit

**Master of Science in Chemical
Engineering**
Course X
*Department of Chemical
Engineering*

Long Bin Pan
(See also M.B.A., Course XV)
Implementation Roadmap and Real
Options Analysis for Biopharmaceutical
Technology Introduction

Amber Phillips
Synergistic Coordination Oxygen
Functional Groups with Catalyst Surface
Promotes Hydrogenolysis of Lignin
Model Compounds

**Master of Science in Chemical
Engineering Practice**
Course X-A
*Department of Chemical
Engineering*

Abdulrahman AlMashaan
(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Kexin Chen
(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Yi-Jung Chen
(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Lauren Clarke
(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Vishnu L. Dharmaraj
(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Ashna Dhingra
(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Taigyu Joo
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Nikifar Lazouski
(See also Ph.D., Course X)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Alexander Justin McCarthy
(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Erin-Nhu-Chan Nguyen
(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Grace Helen Noel
(February, 2021)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Zayla Dean Schaeffer
(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Siddharth Ashwani Kumar Sharma
(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Krishna Shrinivas
(September, 2020)
(See also Ph.D., Course X)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Kevin Anton Spiekermann
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Deepak Adarsh Subramanian
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Albert Xiuyuan Wu
(See also Ph.D., Course X)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Zheng Yang
(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Master of Science in
Aeronautics and Astronautics
Course XVI
*Department of Aeronautics and
Astronautics*

Nicholas Joseph Anastos
(September, 2020)
Augmented Reality Navigation System
for Human Traversal of Rough Terrain

Maria Regina Apodaca Moreno
(September, 2020)
Ionic Liquid and Lithium Salt Mixtures as
Ionic Sources

Caitlin Elizabeth Auffinger
(See also M.B.A., Course XV)
Evaluation and Implementation of
Augmented Reality for Aerospace
Operations and Sustainment

Josef X. Biberstein
Design of a Hybrid Micro Aerial Vehicle
Concept with Multicopter and Vectored
Thrust Modes of Flight

Lukas Frederik Jakob Brink
(September, 2020)
Modeling the Impact of Fuel
Composition on Aircraft Engine NO_x, CO
and Soot Emissions

Jacob Broida
(February, 2021)
Active Policy Querying in the Service
of Robust Execution for Human-Robot
Collaboration Tasks

Rebecca Leigh Browder
(See also S.M., Technology and Policy
Program)
From the Earth to the Moon: Economic
Viability of Commercial Spaceports and
Science and Technology Planning for MIT
Lunar Exploration

Amelia Rose Bruno
Design of a Bimodal Chemical-
Electrospray Propulsion System Using
Ionic Liquid Monopropellants

Humberto L. Caldelas II
Experimental Design of Electrophilic Gas
Injection System for Plasma Blackout
Mitigation During Hypersonic Reentry

Katherine Margaret Carroll
Agent-Based Modeling of Population
Activity in Complex Terrestrial and
Martian Sites

Mark Chang
(September, 2020)
A Control-Theoretic Approach to Forced
Response System Identification of Rocket
Engine Turbopump Cavitation Dynamics

Yun Chang
Robust and Lightweight Localization and
Dense Mapping for Multi-Robot Systems

Juliette L.M. Chevallier
(See also M.B.A., Course XV)
Enabling Autonomy in Commercial
Aviation: An Ontology and Framework
for Automating Unmanned Aircraft
Systems (UAS)

Joseph Donald Chiapperi
Attributes of Bi-Directional
Turbomachinery for Pumped Thermal
Energy Storage

Christopher Ho-Yen Chin
Disruptions and Robustness in Air Force
Crew Scheduling

Gregoire Alain Chomette
A Computational Framework for the
Large Scale Simulation of the Dynamics
of Highly Flexible Filaments in a Viscous
Flow

Christopher Philip Clark
A Feasibility Study of CubeSat
Architectures for Space Debris Removal
from Low Earth Orbit

Mario Melendrez Contreras
Low-Thrust Controller for Slot-Based
Satellite Constellations

Philip Daniel Cotter
(See also M.B.A., Course XV)
Implementing Large Format Additive
Manufacturing in Aerospace Tooling via
Process Integration and Finite Element
Analysis of Print Performance

Andrew T. Cummings
(September, 2020)
(See also S.M.(Earth & Planet. Sci.),
Course XII)
Characterization of Solar X-ray Response
Data from the REXIS Instrument

Rosemary Katherine Davidson
(September, 2020)
Modeling Current and Future Telescope
System Concepts for Exoplanet
Exploration

Charles Burke Dawson
Safe and Efficient Motion Planning
through Chance-Constrained Nonlinear
Optimization

George Thomas Denove
Multiple Target Tracking in Experimental
Multistatic MIMO mmWave Radar
Sensor Networks

Sydney Dolan
Control and Convolutional Neural Net
Based Pose Estimation for On-Orbit
Assembly

Skylar Eiskowitz
A Machine Learning Approach for
Forecasting with Limited Data and for
Distant Time Horizons

Meng Feng
Model-Based Learning and Planning
for Intelligent Manipulation Using
Probabilistic Hybrid Models

Kanika Gakhar
(September, 2020)
Effect of Freestream Turbulence on
Boundary-Layer Loss Generation

Sarah Margaret Gonzalez
Assessment of Powered Ankle
Exoskeleton on Human Stability and
Balance

Jennifer Nicole Gubner
The Deformable Mirror Demonstration
Mission (DeMi) On-Orbit Analysis

Lucy S. Halperin
Rotational Transformation Methods
for Radio Occultation and Passive
Microwave Radiometry Colocation
Analysis

Travis John Hank
Capillary Effects of Nanoporous
Networks on Aerospace Autoclave-Grade
Prepreg Composites Enabling Vacuum-
Bag-Only Manufacturing

Alvin Donel Harvey

(September, 2020)

Partial Gravity Simulators, Harness Design, and an Examination of Gait Transitions in Partial Gravity

Robert Tomos Johanson

(See also M.B.A., Course XV)

Application of Novel Additive Manufacturing Techniques for Cost Reduction in Space Launch Vehicles

Elias Bradley Johnson

A Rational Design Process

William John Kammerer III

(September, 2020)

Thermoelastic Modeling of the CubeSat Laser Infrared CrosslinK (CLICK) Payloads

Brandon Leshchinskiy

(See also S.M., Technology and Policy Program)

Addressing Climate Change through Artificial Intelligence and Education

Kelvin Man Yiu Leung

Accelerating Bayesian Computation in Earth Remote Sensing Problems

Miles Thelonious Keylor Lifson

(September, 2020)

(See also S.M., Technology and Policy Program)

A Study of Emerging Space Nation and Commercial Satellite Operator Stakeholder Preferences for Space Traffic Management

Michael Adam Luu

On-Orbit Servicing System Architectures for Proliferated Low Earth Orbit Constellations

Eric Andrew Magliarditi

(September, 2020)

Tradespace Analysis for Earth Observation Constellations: A Value Driven Approach

Benjamin Charles Martell

Experimental Investigations of Corona Discharge and Its Applications for Aircraft Charging

Adriana Macieira Mitchell

Outlier-Robust Multi-View Triangulation Using Graduated Non-Convexity for Space Vehicle Navigation

Sarah Jo Morgan

Reconfigurable Satellite Constellations for Mobile Target Tracking

Thomas J. Murphy III

RadioSTAR (Radio Spacecraft for Telecommunications Assessment and Risk-Reduction): A 3U CubeSat for Validation of Ground Stations and Link Budgets

Angela Marie Murray

(See also M.B.A., Course XV)

Considerations for Defense Contractors Entering the Small Satellite Market

Maya Nasr

(February, 2021)

Composition Sensors Calibration and Characterization and Warmup Analysis for the Mars Oxygen In-Situ Resource Utilization Experiment (MOXIE)

Golda Minh Ý Nguyen

(September, 2020)

Quantification of Compensatory Torso Motion in Post-Stroke Patients Using Wearable Inertial Measurement Units

Alexander Rudolph Nickles

(See also M.B.A., Course XV)

Identifying and Assessing Aerospace Parts for Production in Additive Manufacturing

Charles Edward Oestreich

Robust Control and Learning for Autonomous Spacecraft Proximity Operations with Uncertainty

Chelsea Nneka Onyeador

(February, 2021)

Simulation of Lees-Dorodnitsyn Hypersonic Laminar Boundary Layers with Temperature-Dependent Properties

James A. Peraire-Bueno

Inferring the Existence of Geometric Primitives to Represent Non-Discriminable Data

Daniel Pekka Poe

Firn Impact and Aerodynamics of an Air-Dropped Ice Penetrator

Allison Paige Porter

(September, 2020)

Design of Soft Knee Exoskeleton and Modeling Effects of Variable Stiffness for Advanced Space Suits and Planetary Exploration

Cassandre Victoria Marie Pradon

Estimating Launch Vehicle Trajectories and Atmospheric Emissions

Thomas González Roberts

(See also S.M., Technology and Policy Program)

Geosynchronous Satellite Maneuver Classification and Orbital Pattern Anomaly Detection via Supervised Machine Learning

Christopher D. Roll

Decreasing Size, Weight, and Power of Opto-Mechanical Assemblies Using Single-Crystal Silicon

Madeleine R. Schroeder

Numerical Characterization of Fragmentation in Ionic Liquid Clusters

Jingnan Shi

Graph Theoretic Outlier Rejection: From Registration to Category Level Perception

Matthew James Shorter

Small Gas Turbine Engine Scaling and Experimental Design

Martina Katherine Stadler

(September, 2020)

Learned Functions for Perceptually Informed Robot Navigation

Geoffrey Karl-Georg Svensson

(September, 2020)

1D Scramjet Model for Ethylene Combustion

Andrew Joseph Torgesen

Autonomous Sensing and Mapping in Challenging Environments Using Unmanned Air Vehicles in Single- and Multi-Agent Settings

Shane Jesse Vigil

(See also M.B.A., Course XV)

Automating Flow of a Material Handling System

Allen Mengyu Wang
(September, 2020)
Moment Methods for Chance-Constrained Motion Planning for Autonomous Vehicles

Grace Wijaya
System-Level Optimization of Urban Air Mobility

Xinyu Wu
(September, 2020)
An Influence Model Approach to Failure Cascade Prediction

Master of Engineering in Biomedical Engineering

Course XX-P

Department of Biological Engineering

Divya Ravinder
Using Machine Learning to Increase the Predictive Value of Humanized Mouse Models for the Human Immune Response to YFV-17D

Master of Science in Biological Engineering

Course XX

Department of Biological Engineering

Stephen Christopher Van Nostrand
(September, 2020)
Computational Analysis of Intercellular Communication in APC-Driven Colorectal Cancers with Varying KRAS Mutational Status

Karren Dai Yang
(February, 2021)
(See also S.M., Course VI)
Novel Methods for Learning Causal Graphs and Applications to Biological Data

Master of Science in Nuclear Science and Engineering

Course XXII

Department of Nuclear Science and Engineering

Jacob Edward Bickus
Monte Carlo Method for Calorimetric NRF Cargo Screening

Lige Liu
(See also S.M., Course VI)
Development of a Multipurpose Near-Field Imaging Platform

Monica V. Pham
Advancing State-of-the-art Multiphase CFD Modeling for PWR Applications

Mohammad Shahin
(September, 2020)
Irradiation Effects on Mechanical and Physical Properties of SS304L-Nanotube Composites

Master of Applied Science in Supply Chain Management

Program in Supply Chain Management

Yashar Ahmadov

Syed Tanveer Ahmed

Ars-Vita Islamia Alamsyah

Valentina Anzola

Nicholas Charles Samuel Artman

Jacob Mattias Backstrom

Catherine Oswald Ballali

Jonathan Eduardo Camargo Henao

Kristin Katharine Cameron

Tzu-Ning Chao

Danning Chen

Aidar Darmesh

Dana Jo DeSutter

Federico Guillermo dos Santos Izaguirre

Esat Efendigil

Yixuan Fang

Jieming Feng

Paulo Sergio Franca de Sousa Jr.

Sherry Gao

Song Gao

Sachin Kumar Garg

Olivia Claire Goldman

Fernando Gonzalez Gil

Rafael Grillo Illipronti

Langdon Sheffield Hollingsworth

Sai Priyanka Jarugumilli

Kawin Jungsakulrujirek

Chi-Wei Kong

Aviva Tova Kosansky

Niranjini Kumar

Lipsi Kumari

Krishna Vijaya Kuppuswamy

Jordan Michael Leising

Adriana Lembcke Berninzon

Teng Yi Li

Yu Xuan Liu

Ramón Alberto Mantellini

Roogers Marino

Alexander Clayton Miller

Marcos Alberto Mogollon Linares

Mauricio Moreno Sanchez Briseno

Rebecca Anne Nolan	Cosmo Valentino	Funmilola Adeoti Asa (September, 2020) Application of MBSE to Oil and Gas Project / Product Management Cycle – A Model-Based Development Approach for Engineering Management and Design
Jason Youzhi Pang	Orniphia Vongasemjit	
Sena Perk	Ryan Christian Wilson	
Daniel Piechnik	Zeyu Wu	
Lukasz Ploszczuk	Junlin Xiang	
Danielle Enscore Procter	Feng Zhu	
Fabian Lucas Ptok	<u>Master of Engineering in Supply Chain Management</u> <i>Program in Supply Chain Management</i>	
Namuun Purevdorj	Sanchita Das Delivering Locally Sourced Nutritious Food Baskets in India	
Saad Bin Rehan	Juan David Suarez Moreno Power Influence in Horizontal Collaboration Relationships	
Maria Fernanda Reyes Castillo	<u>Master of Science in Engineering and Management</u> <i>Program in System Design and Management</i>	
James William Rose	Saket Kashyap Adhikarla Conceptualizing an Online Platform to Facilitate Purposeful Serendipity, Meaningful Networking and Hiring Through Play and Creative Collaborations	
Michelle Catherine Roy	Taylor Hartley Andrews (February, 2021) (See also S.M., Course VI)	
Omar Mahmoud Sakr	Nyoman Anjani (February, 2021) Absorptive Capacity and Innovative Performance Frameworks for SMEs: Case Studies from Manufacturers in Indonesia	
Austin Iglesias Saragih	Afra Ansaria (See also S.M., Course VI)	
Leora Reyhan Sauter	Rui Yin Tan A Decision Model on Optimising Cybersecurity Controls Using Organisation Preferences	
Olivia Hope Schaufenbuel		
Amy Kathryn Schwendenman		
Alessandro Scutari		
Abhijeet Singh		
Scott Michael Sladecek		
Kelly A. Sorel		
Blake Evan Stimpson		
Matthias Stolz		
Amr Mohammad Taiyeb (September, 2020)		
Arturo Torres Arpi Acero		
	Kayhan Babakan (September, 2020) Predictive Analytics for Crude Oil Tanker Markets	
	Brandon Scott Baylor (September, 2020) A System-Theoretic Approach to Oil & Gas Assurance Programs	
	Western Bonime Superfuture: How Global Superminds Can Use Immersive Experiences to Build a Positive Future	
	Katherine Amae Brown (September, 2020) Valuing Investments in Agile Project Design: Example for Upstream Oil and Gas Development	
	Rachel Lynn Cabosky (September, 2020) Application of Hierarchy to STPA: A Human Factors Study on Vehicle Automation	
	Ethan Levi Carlson Operationalizing Psychophysiological Correlates of Mobile App User Experience	
	Christopher Everett Carson (February, 2021) An Integrated Model-Based Approach to Improving Project Control in Department of Defense Acquisition	
	Tejas Chafekar A Systems Analysis and Technology Roadmap for Autonomous Long-Haul Cargo Transport	
	Sin Kai Chan Investigating the Hydrogen Supply Chain for Low-Carbon Power Generation Under Future Uncertainties: A Tradespace Exploration Approach	

TaHang Chen (See also S.M., Course VI) An Artificial Intelligence Based Approach to Automate Document Processing in Business Area	Juan Cristóbal García Sánchez (September, 2020) The Entrepreneurial University: Engineering Research, Education and Catalyzing Innovation	Gulsagar Singh Jassar (February, 2021) Patterns of Supply Dynamics in Competitive Scooter Sharing System
Joshua Creamer (September, 2020) Redesigning Venture Capital	Jordan Henry Gowen The Influence of Physicality and Remote Collaboration in Moments of Design Convergence	Allison Johnson (September, 2020) System Engineering Applied to Early Phase Offshore Oil and Gas Projects
J. Roland de Filippi (September, 2020) A Systems Approach to Trace Space Needs for the MIT Campus, 1920-2019	Dro Jonathan Gregorian A System-Theoretic Approach to Risk Analysis	Thomas Merle Johnson (February, 2021) Managing Discovered Scope Within Hybrid Agile Stage-Gate Project Delivery Systems
Andrea Patricia Diaz Baquero Super Apps in Emerging Markets: Business and Platform Strategy	Brady Meikle Hammond (See also Naval E., Course II) Hydrodynamic Interactions of an Unmanned Underwater Vehicle Operating in Close Proximity to a Moving Submarine	Eric Jamison Jones (September, 2020) Evaluating the SFLC Industrial Operations Organization and Delivery of Depot Maintenance to Stakeholders Through a Systems Thinking Approach
Oladipupo Josiah Doherty (September, 2020) Data Literacy in the Digital Age: Experience Design for a Workplace Learning Solution	Nicholas Ryan Hanley (September, 2020) An Assessment of Production Policies in the U.S. Navy's Primary Aviation Training	Teis Djernaes Jorgensen Changing the Rules of the Game: Rule-Adjustment Mechanics in Tabletop Games
Tomás C. Egaña Tomic (February, 2021) A Maturity Model for Process Data Analytics in Biopharmaceutical Manufacturing	Brian James Heilbrun (September, 2020) AI Assistant for the Oil & Gas Production Engineer	Yashodhan Vinay Joshi Digital Transformation, Ecosystem Design, and Platform Strategy: An IIoT Perspective.
Maria Paz Etcheverry Engineering Options Analysis of Dual Hydrogen - Natural Gas Fueling: A Texas Power Plant under Carbon Price	Zhuoqiao Hong (September, 2020) Pro-social Messages Effects in Job Posting using Machine Learning	Masato Kawano Evaluating Urban Residence Options to Meet Zero Energy Requirements: Simulation-Based Tradespace Exploration of Yokohama Considering Energy Production, Consumption, and Life-Cycle Cost
Georgios Fardelas (See also Naval E., Course II) Ship Design Through Axiomatic Design Approach, Sustainable Engineering Principles and Artificial Intelligence Methods	Brendan Kelly Horton (September, 2020) A Systems Architecture Approach to the Design of Autonomous Underwater Vehicles and their Servicing Platforms	Alan Kharsansky (September, 2020) A Systemic Approach Toward Operable and Highly Scalable Satellite Constellations
Erwin Franz Development of a New Technology to Treat Obstructive Sleep Apnea	Yunke Hua A Systems Approach to Effective AI Ops Implementation	Nahun Kim Identifying the Prevalence and Effects of, and Motivations for Online Search Activities during Birth
Jonathan George Fry (February, 2021) Design and Evolution of Large Scientific Experimental Facilities: Strategy and Implementation	Henry Alan Hui An Engineering Systems Approach to Production Planning of Optical Systems	Keiji Kimura The Effect of Introducing Mobility as a Service Technologies on the Populations in Urban and Suburb Areas
Takeshi Fukatsu (September, 2020) Exploring Architectural Transformation to Improve Value of Plant EPC Business – Case Study of LNG Production Plant	Kritisha Kantilal Jain Making Makerspaces Accessible for People with Visual Impairment	

Aditi Kumar Design Alternatives to Online Proctoring Software	Yu Miyashita (September, 2020) Multi-Criteria Design Analysis of Sensor Systems for Railway Level Crossings	Michael Vance Pickering (September, 2020) Improved Reservoir Characterization by Incorporating Geodetic Data in a Western Kazakhstan Oilfield
Shunsuke Kuribayashi Investigating the Impact of Technology Progress on Bridging the Technological Valley of Death for Future Fusion Energy	Nelson Dario Muñoz Abreu Venture Studios: A New Asset Class Creating Opportunities for Investors and Entrepreneurs	Monisha Pushpanathan (September, 2020) Inferring Insulin Regimen from Clinical Notes
Mollie Burke LeBlanc (September, 2020) Digital Twin Technology for Enhanced Upstream Capability in Oil and Gas	Maya Elizabeth Ruwayn Murad ADM Registries: Enabling Multi-Stakeholder Engagement in Algorithmic Decision Making Systems	Daniel F. Rahill (September, 2020) Collaboration Effectiveness in Energy Research and Development: An Empirical Study of Patents
Jeffrey Liang Lee (September, 2020) Bayesian Calibration of In-line Inspection Tool Tolerance	Patrick Abraham Nepsky (See also S.M., Course VI) Enhancing Corporate Strategy Using Data-Driven Business Growth Decisions	Joseph Brian Robinson (February, 2021) Connecting the Military Radiofrequency Capability Ecosystem: An Industry Platform Approach to Deliver at the Speed of Relevance
Xuedong Li (February, 2021) Digitalizing R&D in the Manufacturing Sector: Machine Learning, Infrastructure, System Architecture and Knowledge Management	Ajie Nayaka Nikicio (February, 2021) Architecting SatCom Enabled Early Warning Systems in Indonesia	James David Ruckdaschel (September, 2020) The Influence of Gasoline Prices and Consideration Sets on the Fuel Economy of New Vehicle Sales
Caine Xia Ri Liew (September, 2020) Japan's Offshore Energy Transition: A System Dynamics Approach	Ke Ning (February, 2021) Data Driven Artificial Intelligence Techniques in Renewable Energy System	Phillip Dean Schmedeman Predictive and Prescriptive Analytics for Airport Slot Allocation
Katherine Mei Fong Liew Computer-Aided Design Tools for Superminds: Understanding User Needs and Evaluating Design Options	Connery Noble (February, 2021) Powering Through The Turn: Finding Time for Concept Exploration Before Industry Stagnation	Darien Alexis Sears (See also Naval E., Course II) Naval Surface Ship Maintenance: An Unconventional Approach to Improve Performance
Prakash Manandhar (September, 2020) Measuring Attention Allocation in Model-Based Engineering Teamwork	Tochi Nwachukwu (February, 2021) Blockchain-as-a-Service: The Effect of Cloud Computing and Vice-Versa	Elvis Shehu COVID-19 Therapeutics – A Landscape Analysis Using Systematic Reviews and Clinical Data
Sucharitha Manyala (February, 2021) M&A Outcome Analysis from Deal Rationale Perspective in Technology Sector	Shi Chao Ou Innovating by Behaving: How to Adopt the Startup Culture in Large Companies	Anuraag Singh (September, 2020) A Technological Domain Description and Estimates of Rate of Improvement for All Technologies
Jonathan Bailey Marcus Digital Strategy for Consumer Products	Benjamin Francis Partington (September, 2020) A Digital Approach to the Management of Brownfields	Thomas Llewellyn Smith (February, 2021) The Potential for Plant-Based Meat in Africa - A Proposed New Approach Using a Systems Design Methodology
Kevin Patrick McDonough Detecting the Influence of Stakeholders' Mental Models on Emergent Collective Awareness in Instrumented Teamwork Workshops	James T. Pennington (September, 2020) Semiconductor Industry Merger and Acquisition Activity from a Technology Maturity and Intellectual Property Perspective	

Aaron D. Stinnett (September, 2020) Developing the Empathy UX: A Study in Building Empathy Through Technology and Media	Daniel Joseph Visosky (September, 2020) The Use of Cost, Schedule, and Performance In the Implementation of Defense Acquisition Initiatives	Rachel Li-Jiang Luo Course XI (See also M.C.P., Course XI) Data-Driven Customer Segmentation: Assessing Disparities in COVID Impact on Public Transit User Groups and Recovery
Tao Sun (See also S.M., Course VI) A Deep Learning Based Real-Time Pedestrian Recognition System	Caitlin Louise Williams (February, 2021) Systems Approach for Evaluating the Transitioning Retail Transportation Fuel Energy Market	Rubén Grayson Morgan Course I (See also M.C.P., Course XI) A Fare Approach to Attracting Transit Ridership After Covid-19
Nitchakorn Tangsathapornpanich Tradespace Analysis of Workplace Health Systems Focusing on Diabetes	Oliver John Wilson (September, 2020) Machine Learning for Well Rate Estimation: Integrated Imputation and Stacked Ensemble Modeling	Benjamin C. Sanchez Course I New Revenue Management and Distribution Technologies in the Airline Industry: Legal, Regulatory, and Commercial Implications
Nithin Thekkupadam Narayanan (February, 2021) Maximizing Value Creation in Agile Sprints	Fei Yang (September, 2020) From Digitalization to P&L: Integrating the Value Chain of Energy Industry to Improve Social and Financial Profits	Kevin Xu Shen Course I (February, 2021) (See also S.M., Technology and Policy Program) Uneven Mobility: Injustice in Accessibility and Urban Experimentation
Aditya Thomas (September, 2020) Determining Policy for a System Dynamics Model Using Reinforcement Learning	Sam M. Yoo A System-Theoretic Approach to Risk Analysis	Qing Yi Wang Course I (September, 2020) Transit Extraboard Operators Scheduling
Michael Thomas Trevathan (September, 2020) The Evolution, Not Revolution, of Digital Integration in Oil and Gas	Allison Tianyun Zhang Align Mental Models for Product Development through a Quantitative Approach for Subject Matter Expert Interviews	Yunhan Zheng Course XI (See also M.C.P., Course XI) Equality of Opportunity in Travel Behavior Prediction with Deep Neural Networks and Discrete Choice Models
Prabhakar Tripathi Building Resilient Supply Chain Using Interactive Visualization	Tianqi Zhou (See also S.M., Course VI) Addressing Deficiencies from Missing Data in Electronic Health Records	Naval Engineer Course II <i>Department of Mechanical Engineering</i>
Andrew Tsang The Design and Implementation of Decentralized Sanitation Systems for Densely Populated Areas	Master of Science in Transportation	Georgios Fardelas (See also S.M., Engineering and Management) Ship Design Through Axiomatic Design Approach, Sustainable Engineering Principles and Artificial Intelligence Methods
ML Ujwal Systems Pharmacology – Machine Learning Approaches in Profiling Oncology Drug Candidates	Nicholas Samuel Caros Course I Leveraging Spatial Relationships and Visualization to Improve Public Transit Performance Analysis	Timothy Samuel Fountain (See also S.M., Course III) The Effect of Co on the Deformation Response of Fe-Mn Alloys
Ogbogu Dike Ukuku (See also M.B.A., Course XV) Addressing Venture Growth in Nigeria Through 'Entrepreneur-Centered' Design: A Framework for Accelerating Entrepreneurship Development Applied to Consumer Brand Entrepreneurs	Mary Rose Fissinger Course I (September, 2020) Behavioral Dynamics of Public Transit Ridership in Chicago and Impacts of COVID-19	
Nazlı Ece Usta Designing for Student Well-Being		
Cory Elizabeth Ventres-Pake Designing for Accessible Governance Innovation in Sierra Leone		

Matthew Warren Hait
(See also S.M., Course II)
A Hydrodynamic Analysis and
Conceptual Design Study for an External
Storage Enclosure System for Unmanned
Underwater Vehicles

HongSeok Cho
(September, 2020)
Operational Design Domain (ODD)
Framework for Driver-Automation
Integrated Systems

Brady Meikle Hammond
(See also S.M., Engineering and Management)
Hydrodynamic Interactions of an
Unmanned Underwater Vehicle
Operating in Close Proximity to a
Moving Submarine

Emily Madeline Mellin
(See also S.M., Course II)
Using Biomimetics to Improve the
Maneuvering Performance of the
Expendable Mobile Antisubmarine
Warfare Training Target (EMATT)

Steven Andrew Musselwhite
(See also S.M., Course II)
Methods to Reduce Backlogged
Maintenance of Los Angeles Class
Submarines

Andrew Roley
(See also S.M., Course II)
Evaluation and Characterization Testing
of Liquid Fuel Cell Chemistry for
Applications in Unmanned Underwater
Vehicles

Alexander Lorne Scott
(See also S.M., Course II)
Development of Longitudinal Stability
Criteria for Surfaced Submarines
Through Use of Near Real Time
Modeling

Darien Alexis Sears
(See also S.M., Engineering and Management)
Naval Surface Ship Maintenance: An
Unconventional Approach to Improve
Performance

**Engineer in Aeronautics and
Astronautics**

Course XVI
*Department of Aeronautics and
Astronautics*

SCHOOL OF HUMANITIES, ARTS, AND SOCIAL SCIENCES

Master of Applied Science in Data, Economics, and Development Policy

Course XIV
Department of Economics

Nouf Abushehab
(September, 2020)

Isadora Angelini Frankenthal
(September, 2020)

Akshay Choudhary
(September, 2020)

Adetoun Y. Dapo-Famodu
(September, 2020)

Ritesh Kumar Das
(September, 2020)

Brian Nick Daza Vigo
(September, 2020)

Max Ghenis
(September, 2020)

Zuo Min Goh

Harsh Dev Goyal
(September, 2020)

Junita Monique Henry
(September, 2020)

Frank Hoekman
(September, 2020)

Zhe Fredric Kong
(September, 2020)

Helena Wajnman Lima
(September, 2020)

Wei Lu
(September, 2020)

Lovemore Mawere
(September, 2020)

Mauricio Mondragón Delgado
(September, 2020)

Jing Kai Ong
(September, 2020)

Bernardo Olaf Tlahui Oseguera Zapata
(September, 2020)

José Fernando Pinilla Bustamante
(September, 2020)

Gailius Praninskas
(September, 2020)

Alexandria Noel Symonds
(September, 2020)

Manil Nadir Zenaki
(September, 2020)

Master of Science in Political Science

Course XVII
Department of Political Science

Joan Vicki Joseph
The Diversified Business Group and the
Margins of Labor Market Adjustment to
Real Exchange Rate Misalignment

Master of Science in Science Writing

Course XXIW
*Program in Writing and
Humanistic Studies*

Ashley Noel Belanger
(September, 2020)
Where the Desert Ghost Roams

Fernanda de Araujo Ferreira
(September, 2020)
Unraveling the High Heel

Rachel Fritts
(September, 2020)
Plague on the Prairie: The Fight to Save
Black-Footed Ferrets from the West's
Most Insidious Disease

Jessica L. Hendrickson
(September, 2020)
A Biography of the Second

Lucy Marita Jakub
(September, 2020)
Sea of Change

Kate S. Petersen
(September, 2020)
Aliens Inferred

Master of Science in Linguistics

Course XXIV
*Department of Linguistics and
Philosophy*

Tracy Michelle Kelley
(September, 2020)
Kun8seeh - An Online Approach to
Teaching & Learning Conversational
Wôpanâot8âôk

Annauk Denise Olin
Inupiatun Inugu**lavut Miqliqtuvut: Let
Us Raise Our Children in Iñupiaq

Roger L. Paul
(September, 2020)
Skicinuwatu Toke: Speak
Passamaquoddy Now

Hanzhi Zhu
(September, 2020)
Already: Just Scalarity

Master of Science in Comparative Media Studies

Program in Comparative Media
Studies

Diego Alonso Cerna Aragon
Disputing Facts, Disputing the Economy:
Media Controversies at the Decline of the
Peruvian Miracle

William Sorokin Freudenheim
The Network and the Classroom:
A History of Hypermedia Learning
Environments

Elon Brae Justice
Hillbilly Talkback: Co-Creation and
Counter-Narrative in Appalachia

Andrea Shinyoung Kim
Virtual Worldmaking: A Phantasmal
Media Approach to VRChat

Roya Madoff Moussapour
Cashing in on Student Data:
Standardized Testing and Predatory
College Marketing in the United States

Michael Philip Sugarman
Playing It By Ear: Improvisation and
Music Livestreaming During COVID-19

Kelly Barbara Wagman
Sex, Power, and Technology: A Relational
Engineering Ethos as Feminist Utopia

SLOAN SCHOOL OF MANAGEMENT

Master of Business Administration

Course XV-A (Sloan Fellows)
Sloan School of Management

Jonathan Philip Acquaviva

Kenneth Fan

Oscar Mauricio Lizcano Arango

Ali Artine Adoudou

Keitaro Fujii

Stella Dulce José Machel

Ahmad Alsaawy

Maria Gabriela Gallinal

Joshua Frank Madej

Shinji Angata

Kevin M. Gentil

Hamad Mahmood

Distributed Energy Platforms: Who Will Lead the Next Electricity Revolution?

Building Efficient Virtual Sales Organizations

Ilknur Bechir

Anirban Ghosh

Venkata Narasimha Rao Malisetti

Thiago Moreno Bertani

Juan Edgardo Goldenberg Ibáñez

Gaurav Mehta

Michael Billingsley

What is the Value of the Postal Service?

Orly Goldsmith Oppenheim

Tim Michel Meulemeester

Fabian Fernandes Bruzon

Cristian Leonardo Gonzalez Ruiz

Hideharu Midorikawa

Nayeli Calderon Urtes

Tom Harari

Joohi Mittal

Andres Canela Mejia

Po Yan Ho

Rafael Monroy Mejía

Etienne Américo Cartolano Júnior

Mototsugu Hoshino

Manuel Armando Montes

Varun Kumar Chimblí

NaNa Hwang

Yoshimi Oku Morishita

Joshua Andrew Chisholm

Ahmed Ibrahim Mohamed Tageldin Ibrahim

Daniil Mossyakov

Rebecca Churt

Zain Sulaiman Jamal

Melissa Erin Murphy

Julie Clauss

Anoosheh Kalantari

Pradeep Muthuswamy

Zeina Dagher-Mansour

Almas Kaptagayev

Matthew Ray Nastos

Carlos Theodorico De Freitas

Roman Vakhitovich Khabibulin

Yochanan Nelson Levy, Sr.

Luis De la Mora Perez

Building Efficient Virtual Sales Organizations

Roberta Oshiobugie

Jolani de la Porte

Baheirah Hammam Khusheim

Richard Joseph Porteous

Navraj Deol

Carla Kinugawa

Henry Pott

Kenneth James Droddy

Mark Kristian Kummer

Shabda Prakash

Brian C. Erickson

Madiyar Kumurbekov

Thomas Edward Quarmby

Alexandre Stewart Reis Moreira	Brittany L. White	Jaime Coronado Barbosa
Will You Like It? A Behavioral Understanding to Model Social Media Attraction Factors to Athletes' Brands and Posts	Erik David Wisecup	Digital Transformation in Sales and Operations Planning
Luis Alberto Rodriguez Mora	Asset Yerali	Melinda Anne Creasman
John David Rulien	Laura Maratqyzy Yerali	Jennifer Christine Cummins-Askew
Luis Salas Del Valle	Hiroshi Yoshida	Matthew Christopher Currid
William Joseph Sangster	Charbal Malki Yousef	Alessia De Vito
Sumit Saraf	Zheng Zhou	Samantha Deka
Mikkel Irminger Sarbo	<u>Master of Business Administration</u> Course XV-E (Executive) <i>Sloan School of Management</i>	Carl Kwaku Dey
Nasr Faisal Sattar	Asim Naeem Akram	Jagjit Singh Dhaliwal
Vipul Sawhney	Jane Rebekah Allard	Azza Diasti-Kennedy
Navroop Singh Sehmi	Srinivas Kumar Attipalli	Keith Richard Diggans
Priyanka Shekar	Hector Baeza	Joseph David Domino
Yohei Shirasaka	Trevor Wayne Barcelo	Daniel Adam Doneson
Rishi Raj Shroff	Oscar John Benavidez	Nathaniel Armand Dutile
David Reinhart Eduard Charles Son-dakh	Vikas Kumar Bhaiya	Kurt Ulrich Ehrig
Nirmal Srinivas	Isabelle Emma Billat	Belma Erdogan-Haug
Peter E. Stephens	Gregory Harper Bledsoe	Toshinori Esaka
Jeffrey Swiryn	Benjamin Keith Brown	Isabel Espina Carvajal
Kazuhiro Tada	Andrei Bubnov	Erick Jayson Forbes
Junming Tang	Marjorie Claire Cass	Adam Merritt Fox
Prashant Tibrewal	Jotpreet Singh Chahal	Si Hui Fu
Thuy Anh Vu	Derek Anthony Christensen	Maria Paquerette Galou ep Lameyer
Satoshi Wada	Mark Warren Clemens II	Melissa M. Gamble
Christopher Mungo Wallace	Sean Matthew Corbett	Michael Thomas Guay
Haibin Wen		Andrea Guendelman
		Marco Aurélio Guerra de Sá
		Sedat Gunes

Gregory Lee Hackney	Robert Todd O'Hara	Aimee Kathleen Weeden
Christopher Alan Hagemo	Kirsten Cecilie Odegard	Sarah Kristin Young
Nicholas D. Harris	Gbemisola Ogunyomi	<u>Master of Business Administration</u>
Nava Hazan	Purushottam Pawar	Course XV
Cynthia Lee Hendrickson	Logan Powell	<i>Sloan School of Management</i>
Jesse Dylan Honigberg	Paolo Privitera	Bechara Abouarab
Kevin Dwayne Johnson	Ryan Alexander Pugatch	Alex John Adamczyk
Trinna Cuellar Jonikas	James P. Rathmell	Palash Agrawal
Sandra Maria Joyce	João Felipe Cerpa Rodrigues	Pervez S. Agwan
Rebecca Anne Klein	Casper Gram Ross Hvejsel	Christopher Joseph Aholt
Robert Edward Kodadek III	Emmanuel Senyange Sabiiti	Heather Brittany Aholt
Martin David Leach	Jennifer Loren Sample	Aziza Sultan Ahson
Camilo Llinás	Jaclyn Shinney Selby	Bodoor Jameel Al-Alawi
Ashoka Vardhan Reddy Madduri Venkata	Shannyn Angelica Smith	Mohammad Alderbass
Paolo Marone	Eric Snelgrove	Abdullah Sulaiman Alhamdan
Benjamin David Matheson	Christian Michael Stegmann	Yasmin Alhassani Finance
James Michael McAlpin	Teresa Hefley Stinson	Zarah Ejaz Ali
Kshitij Pankaj Mistry	Seneca Stone	Abdulaziz Almajid
Jeff Wayne Monroe	George Joseph Switzer	Bader Saad Almonawer
Meghan Kennedy Montgomery	Alex Syed	Daniel Luis Alvarez
Jochen Daniel Muehlschlegel	Yang Tang	Akina Anand
Aditya K. Nawab	James Christopher Taylor	Manuel Andrade Aparicio
Robert Linford Neidlinger II	Nhan Thanh Tran	Todd Joseph Anstett
Paul Marius Nelson	Anne S. Tsao	Kazrin bin Khairul Anuar
Roni Noyman	Durgesh Shivram Vaidya Leadership Development	Ainara Aguirre Arcelus
Diana Siragusa O'Connor	Valentina Nikola Videva Dufresne	Ginna Arora

Andreas Aslaksen Aristizabal	Ana Carolina Blain Campos	Zhuo Cheng (September, 2020)
Caitlin Elizabeth Auffinger (See also S.M., Course XVI) Evaluation and Implementation of Augmented Reality for Aerospace Operations and Sustainment	Rebecca Colleen Blanchflower	Juliette L.M. Chevallier (See also S.M., Course XVI) Enabling Autonomy in Commercial Aviation: An Ontology and Framework for Automating Unmanned Aircraft Systems (UAS)
Ashley Seda Aydin	Della Jean Bradt	Preston Matthew Chin
Pooja Aysola	Caitlin Marie Braun (See also S.M., Course II) Breaking the Mold on Job Shops	Michael Stanley Chmielewski
Rita Azevedo Coutinho	Nicholas L. Brenner	Eun Ah Choi
Elnaz Azolaty (September, 2020) (See also S.M., Course II) Workflow Evaluation of Key Work Packages in Drug Product Technologies	Ana Irene Bujosa Tato	Nicholas Benjamin Cholst
Neha Rajendra Bagadiya	Alec Michael Stroux Bullen	Sasan Choobineh
Ilona Balagula	Nikhil Byanna (See also S.M., Operations Research) Ship-Pack Replenishment Optimization in a Two-Echelon Distribution System with Lost Sales and Product Obsolescence	Sarah Rogers Clarkson
Daniel Ballesta Quintana	Shuting Cai	Joseph William Connolly
Katherine Margaret Ballinger	Maureen Margaret Canellas	Ignacio Javier Contreras
Drew Bard Varges	Marc Castillo Lanuza	Philip Daniel Cotter (See also S.M., Course XVI) Implementing Large Format Additive Manufacturing in Aerospace Tooling via Process Integration and Finite Element Analysis of Print Performance
Ryan Benjamin Bash	Jorge Fernando Castillo Lezama	Carlos Francisco Cubas Ramacciotti
Raghav Batra	Luis Fernando Castro Lozano	Margaret Grace Cutlip (See also S.M., Course II) An Analytical Approach to Inventory Management for Telecommunications Network Equipment
Christian Alex Bazarian	Núbia Caverson	Benjamin Arnould Dalusma
Vincent Philippe Guy Bédat	Adam Joseph Cervenka	Benjamin Jenks Dalzell
David Begun	Yangun Cha	Jenna Gail Dancewicz
Amir Moshe Ben Jonathan	Chi-Ya Chang	Niels Christian Danielsen
Nikhil Ravi Bhagwat	Zeeyoun Chang (September, 2020)	Meggan Kimbralee Davis
Harry Aaron Birnbaum (See also S.M., Course I) Implementation of a Mathematical Approach to Rip Saw Arbor Design and Scheduling	Preethi Chegu	Pablo Javier de Cos Igartua
Timothy George Bishop	Mengpei Chen (See also S.M., Course I) Raw Material Optimization to Bend the Biopharmaceutical Cost Curve	Jose de Lapuerta Fernandez
Laura Elizabeth Blackburn	Mingjia Chen	

Charles de Oteyza	Evan Gregory Ferber	Juan Ignacio Garza Ortiz
Roberto De Silva Reguera	Katherine Raissa Ferreira Martinez	Ethan Luke Gauvin
Carlos Delgado González	Steven J. Ferry	Aaron Omni Gillette
Levi Michael DeLuke (See also S.M., Course II) Predictive Modeling and Optimization of Autoinjector Manufacturing	Maura Clare Fitzsimons	Deborah Go (See also S.M., Course I) Improving Inventory Management to Increase Profitability
Jonathan Ross Dennett	Jorge Juan Flor Garcia	Ana Cristina Veloso Gonçalves
Steven Peter DeSandis	Daniel Steven Ford	Leah Gonzalez Howard
Erika Elizabeth Desmond	William Clay Ford III	Marissa Leigh Gross
John Sean Donahue	Brandy Nicole Forehand (See also S.M., Course I) Strategic Sourcing of Serial Production Processes in Jet Engine Manufacturing	Martin Guillen Barrail
Akshay Duda	Kristen Ann Fox	Jihye Choi Gyde
Felix Dumont (See also S.M., Course VI) Deep Learning Models of Scanner/Vision Tunnel Performance In Sortation Subsystems	Artur Freitas de Mendonça	Amina Keltoum Habes
Samuel Jack Eden	Antonio Lorenzo Mayrink Veiga Frering	Joseph James Haddad
Luisa Eguren	Clare Austin Frigo (See also S.M., Course II) Network and Workflow Design and Standardization in a Large Distribution Center	Souhail Halaby
George Peter Eliades	Mizuhiko Fujie	Rachel Estelle Halperin
Jeffrey William Epperson (See also S.M., Course II) Creating Optimized Value Creation Conditions: An Additive Manufacturing Model	Haruna Fujita	Evan Boswell Hamilton
Zachary Scott Erdman	Jacob Anders Fure-Slocum	Benjamin Reed Hammer
Paula Andrea Escandón Rozo	Fiona Ina Furlong	Bing Han
Martin Eyries de la Cuadra	Sara Elizabeth Gabriel	Hayley Samara Hanes
Alp Ezgu	Monica Gabriela (See also S.M., Course I) Drug Substance and Drug Product Manufacturing Strategy Assessment for siRNAs	Andrew Hannigan
Andrew Scott Fabian (See also S.M., Course II) Effective Integration of Additive Manufacturing at a Large Manufacturing Company	Kyle William Galarneau	Mohamed Isa Yusuf Ali Hasan
Abraham Israel Fainchtein	Ignacio Galindo	Yusuf Ayman Hashem
	Lauren Elizabeth Galinsky	Juanita Corinne Hazel
	Bautista Gall	Sam Heffernan
		Patrick Brennan Herold
		Felipe Hilgenberg
		Caleb Benjamin Hogan

Xiaodi Hu	Matthew Alexander Kilby (See also S.M., Course II) Creating Good Jobs in Automotive Manufacturing	Derek Alan Leist
Yile Hu		Jessica Leon
Valerie Huang	Juhyun Kim	Danielle S. Levin
Franz Ernesto Hudtwalcker Rey	Seung-Soo Kim	Helen Li
Ari Joseph Jackson	Seung Kyu Kim	Katherine C. Li
William Cory Jackson	Yoshiro Kita	Weiyi Li
Emily Rose Catherine Jager	Marissa Beth Konstadt	Joanna I. Lichter
Rhett Marville James	Akhilesh Koppineni	Andrew Keenan Lind
Merritt J. Jenkins	Neha Khurana Kukreja	Alyssa Lauren Lipshultz
Robert Tomos Johanson (See also S.M., Course XVI) Application of Novel Additive Manufacturing Techniques for Cost Reduction in Space Launch Vehicles	Shyam Kumar	Josie Jie Xin Liu
Aiyah Josiah-Faeduwor	Kelsey LaFreniere	Priscilla Liu
Omar Kahil (See also S.M., Course I) Capacity Management for Low Cost Storage	Jay Anson Laing	Xinyang Krystal Liu
Erez Kaminski (See also S.M., Course VI) The Limits of Analytics During Black Swan Events A Case Study of the Covid-19 Global Pandemic	Brandon James Lam	Anna Llopis Montserrat
William Hudson Kaplan	Matthew Simon Lanchantin	Christopher Alexander Lui (See also S.M., Course VI) An Investigation of Multivariate Process Control for Biomanufacturing
Stephanie Yasmine Karaa	Sasha Ellora Land	
Nadi Kassim Kassim	Gabriela Alicia Lanza	Shuqi Luo
Aayushi Kaushik	Christina Louise Larson	Amrit Malothra
Joshua Brooks Kelly	Melissa Lawton	Kevin Shuyi Ma
Timothy John Kennedy	Krystal Quynh Chi Le	Antoni Marcet de la Riva
Muska H. Khan	Jae-Yong Lee	Alec George Marchuk
Andrew Jihoon Khang	Jin Soo Lee (See also S.M., Course II) Determining Optimal Supply Level for Intermittent and Low Demand Parts	Gabriela Margain Garza
Adam Vinago Kiki-Charles	Jue Eun Lee	Michael Anthony Marini
	Megan Shing-Dah Lee	Jeremy David Markson
	Michelle Mee-Sun Lee	Patricia Marsa Gaviria
	Mengzhen Lei	Matthew Lincoln Martin

Albert Martin Leon	Killian Murphy	Durga Harini Panda
Claire Ellen Matthews	Angela Marie Murray (See also S.M., Course XVI) Considerations for Defense Contractors Entering the Small Satellite Market	Aparna Pande
Tim Matthey	Kunihiko Naito	Martin Nahuel Panelati
Srijan Maulick	Edward Raynes Netland	Amulya Panyam
Alisondra Kelsey Maykranz	Claudius Christoph Neufeldt	Anthony Johnson Papa (See also S.M., Course II) Unit Hours as a Key Performance Indicator
Andrew James McCall	Catherine Philbin Nevins	Gustavo David Paredes Avendano
Akshay Yogesh Mehra	Nhat Thi Cam Nguyen (February, 2021)	Charine Park
Nicholas James Miller	Alexander Rudolph Nickles (See also S.M., Course XVI) Identifying and Assessing Aerospace Parts for Production in Additive Manufacturing	So Young Michelle Park (See also S.M., Course II) Reliability Analysis of Boeing's Dreamlifter Large Cargo Freighter
Christian Riccardo Mirabile	Inês Marques de Almeida de Ibérico Nogueira	Maria Teresa Passanha Sobral Morais Leitao
Julio César Monarrez	Katie Colleen Nolan	Kavita Subhash Patel
Joshua Solomon Monks	Salathiel Tyler Noronha	Andrés Paz-Ares
Jose Luis Montero Villaseca	Flore Alicia Nouvel	David Victor Pedroni (See also S.M., Course I) Tailored Base Surge Policy for Middle Echelon in Biologics Supply Chain
Anubhav Moondra	Diego Eduardo Novoa Arroyo	Nicolás Andrés Peñafiel Prohens
Pablo T. Morenes Botin Sanz de Sau-tuola	Elvira Nunez Riva	Fiorella Jimena Penagos Celis
Jose de Jesus Moreno Ruiz Garcia	Christopher Anthony O'Connell	Chandler Lauren Perry
Zachariah Keith Morey (See also S.M., Course II) Integrating Machine Learning into Data Analysis and Plant Performance	Quadri Adetola Oguntade	Supanut Phrom-anant
Ellen Franklin Morgan (See also S.M., Course I) Decoupling Continuous Manufacturing Processes to Increase New Product Valuation	Philip Onimisi Onotu	Matthew Cole Pierce
Drew Edward Morrison (See also M.C.P., Course XI)	Ena Oru	Francine Carvalho Pietrobom
Bruno Moschetta	Matthew Lane Ostrow	Ryan Pijai
Roxanne Moslehi	Catalina Padilla Sada	John Hartland Pitfield
Spencer Bret Moss	Long Bin Pan (See also S.M., Course X) Implementation Roadmap and Real Options Analysis for Biopharmaceutical Technology Introduction	Chanya Pranich
Guillermo Mourenza González		Yudha Okky Pratama
Parisa Movahedi		

Kelsey Jo Pridemore	Violet Kemilembe Rukambeiya	Chantal Neomi Sirisena
Ana Carolina Ragazzoni Rodrigues	Amelia Claire Brunder Salutz	Charles Colby Smith
Isaac Rahamim	Andrea Šádorová	Christian Edmund Smith
John Nelson Raines IV	Francisco Esteves de Oliveira Santos	Lauren Smith-Lin
José Luis Ramos Alvarez	Andres Santos Cantu	Michael Linwood Smithers, Jr.
Alessandro Rapanà	Sabrina Sayeed	Ena Luz Solórzano
Jose Raventos	Jeremy Vance Scharf	Lindsay Jenna Solotar
Manasvini Ravi Shankar	Carlo Peter Schmid	Kwannpat Songvisit
Katherine Suzanne Rawden (See also S.M., Course I) Leveraging Big Data and Machine Learning to Evaluate the Impact of Material and Process Variability on the Quality Performance of the Vicryl+ Value Chain	Michael T. Schoder (See also S.M., Course II) Distribution Network Optimization to Reduce Process Variability and Improve Throughput for an Online Retailer	Ricardo Henrique Sosa Machado
Daniel Raymond Whitlock Reilly (See also S.M., Course II) Assessment of Virtual-Reality-Based Digital Twins in Automotive Manufacturing Process Validation	Daniel Antonio Sedan Mora	Jamison Slater Soybel (See also S.M., Course II) Designing a Make vs. Buy Strategy for Expendable and Attributable Aircraft Engine Development
Nicholas Christopher Rezendes	Yunuscan Sevimli	Megha Srivastava
Emma Gray Rich	Karan Shah	Isabelle Clarke Stemberg
Hiram Solomon Riddle	Riana Shah (February, 2021)	Eugenio Guillermo Suarez
Margaret Gayle Riddle	Pulkit Shamshery	Yingying Sun
Katherine Laura Riley	Mansi Sharma	Charoensup Supcharoenkul
Robert Michael Riso	Nidhi Sharma	Ignacio Salvador Tabja
Andrew Scott Rodriguez (See also S.M., Course II) Applying Lean Manufacturing Concepts to a High-Mix Low-Volume Make to Order Environment	Anna Marie Sheppard	Alfredo Tagle Silva
Maria Candelaria Rodriguez Sanchez	Anesh Shetty	Aik Jun Tan (See also S.M., Course VI) Deep Learning Image Augmentation Using Inpainting with Partial Convolution and GANs
Pablo Rodriguez Sanchez	Jennifer Tan Shi	Li-Jie Tan
Alejandro Romero Gómez	Jennifer Shin	Lauren Meredith Tauscher
Patrick Emmanuel Rose	Dar Shkedi Maor	Suchawut Thamvorapon
	Ananya Shukla	
	Ankita Singh (See also S.M., Course II) Applications of Machine Learning and First-Principle Modeling to Evaluate Design Enhancements in Autoinjectors	

Trevor James Thompson (See also S.M., Course II) Modeling Air Source Heat Pump Adoption Propensity and Simulating the Distribution Level Effects of Large-Scale Adoption	Zachary Carl Wainwright	Liza C. Xu (See also S.M., Course I) Identifying Risk Exposure in a Global Retail Supply Chain
Lydia Sherwood Thurman (See also S.M., Course VI) Assessing Inventory Replenishment Strategy at Target	Megan Christine Waldvogel	
Olga Timirgaliева	Sam Henry Walsh	Assaf Yablon
Tatjana Toeldte (See also S.M., Course II) Data-Driven Business Model Strategy Development for Incumbents in B2B Markets	I-Ting Wan	Angela S. Yang
Diego Rafael Toledo Polis	Pedro Wanderley Furquim Werneck	Eric D. Yang
Traiwat Trairatvorakul	Ivy Wei Wang	Brian C. Yi (February, 2021)
Henna Kaur Trewn	Xue Wang	Kevin Yu
Daisuke Tsuge	Alexander Thomas Warner	Dror Zajde
Wynn Oja Tucker	Anne Parker Warner	Lily Chan Cheng Zedler
Ogbogu Dike Ukuku (See also S.M., Engineering and Management)	Rachel Mirriam Webb	Xianqi Zeng
David Glenn Urness	Justin Aaron Wexler	Di Zha
Pedro Vasconcelos Bettencourt Teixeira Queirós (See also S.M., Course I) Modeling Total Delivered Cost in the Automotive Industry	Kristine Ashley Willard	Cassie Weijia Zhang
Diego Fabrizio Velasquez Falconi	Tyler Joseph Wilson	Ike Ting Zhang
Carolina Vergara Oyaga	Michael Andrew Moy Wing	Wenxin Zhang
Belén Vicente Blázquez	Peter Douglas Witt, Jr. (See also S.M., Course I) High Velocity Supply Chain: Redesigning a Long Lead Time, Short Shelf Life Supply Chain	Laura Zwanziger
Shane Jesse Vigil (See also S.M., Course XVI) Automating Flow of a Material Handling System	Jonathan Chak Wang Wong	<u>Master of Business Analytics</u> Course XV-N <i>Sloan School of Management</i>
Megha Vijayvargia	Joyce Wong	Anis Ben Said (September, 2020)
Jordi Vila Verdaguer	Jieyuan Wu (See also S.M., Course II) Leveraging Data Analytics to Evaluate Proactive Interventions to Prevent Inventory Defects	Alison Rose Ann Borenstein (September, 2020)
	Qiongjing Wu	Yuchen Cao (September, 2020)
	Joseph Wyatt	Jonathan Matthew Chan (September, 2020)
	Tianyang Xi	Shen Chen (September, 2020)
	Sophia Yun Xing	Joshua Joseph Couse (September, 2020)

Raphaelle Diane Astrid Marie Delpont (September, 2020)	Yanhan Liu (September, 2020)	Mohamed Hamza Tazi Bouardi (September, 2020)
Abraham Munro Eaton (September, 2020)	Jiong Wei Lua (September, 2020)	Jonathan Filberto Tukiman (September, 2020)
Ahmed El Aamrani (September, 2020)	Tianhui Mao (September, 2020)	Jiewen Wang (September, 2020)
Killian Joshua Farrell (September, 2020)	Joshua D. McKenney (September, 2020)	Desiree Sharif Waugh (September, 2020)
Leirong Feng (September, 2020)	Luca Mingardi (September, 2020)	Asher Thomas Brownstone Wright (September, 2020)
Carrie Michele Fowle (September, 2020)	Danial Ahmad Zafar Mirza (September, 2020)	Danying Xiao (September, 2020)
Abigail Marie Garrett (September, 2020)	Julia Catherine Monti (September, 2020)	Shenheng Xu (September, 2020)
Girish Kishen Govindarajan (September, 2020)	John Christopher Nicholas (September, 2020)	Yijia Yang (September, 2020)
Yanchunni Guo (September, 2020)	Timothy Alexander K. Nonet (September, 2020)	James Austin Zaccor (September, 2020)
Sofiane Nour Hadji (September, 2020)	Lucas Daniel Pelegriñ (September, 2020)	Joseph Guss Zaghrini (September, 2020)
Luis Honsel (September, 2020)	Neil Sanjay Pendse (September, 2020)	El Ghali Ahmed Zerhouni (September, 2020)
Suzana Iacob (September, 2020)	Jingjing Piao (September, 2020)	Gege Zhang (September, 2020)
Joshua Kiefer Ivanhoe (September, 2020)	Alessandro Previero (September, 2020)	Kexin Zhang (September, 2020)
Zeyuan Jin (September, 2020)	Louis Félix Raison (September, 2020)	Nova Sierra Zhang (February, 2021)
Muro Kaku (September, 2020)	Pierre-Henri Ramirez Cassagne (September, 2020)	Qijia Zou (September, 2020)
Joey Khoury El Aramouni (September, 2020)	Gabrielle Rappaport (September, 2020)	Eugenio Zuccarelli (September, 2020)
Jordan Frederick Knight (September, 2020)	Rihab Rebai (September, 2020)	<u>Master of Finance</u> Course XV-F <i>Sloan School of Management</i>
Dao Ming Lee (September, 2020)	Alexandru Socolov (September, 2020)	Julie Andre
Kevin Zhi Cheng Lin (September, 2020)	Andras Jeno Szep (September, 2020)	

Jean Arnault	Elie Gaby Gerges (February, 2021)	Marius Mello (February, 2021)
Aris Benakli	Elina Harutyunyan (February, 2021)	Fabian Mertes
Louccas Bou Jaoude		Antoine Philippe Nothias
Timothy Chen Brown (February, 2021)	Jiawen He (February, 2021)	David Alexandre Nze Ndong (February, 2021)
Chenzi Cao (February, 2021)	Jai Himatsingka (February, 2021)	Do Yeon Park (February, 2021)
Albert Richard Caputo III (February, 2021)	Siyang Huang (February, 2021)	Edward Poghosyan (February, 2021)
Vaibhav Chandak	Marcus Imbert	Xijin Pu (February, 2021)
Meishi Chen (February, 2021)	Michael David Jennings	Jules Max Marie Roche
Shiying Chen (February, 2021)	Sarah Kefi	Urvi Rohatgi (February, 2021)
Chiuen Chou Gabriel Chin (February, 2021)	Chiayi Kung (February, 2021)	Yafei Shi (February, 2021)
Devin Connolly (February, 2021)	Changxiao Li (February, 2021)	Wenzhu Song
Pauline Cuilleret	Jingxiu Li (February, 2021)	Luke Oliver St. Pé (February, 2021)
Paul Frédéric Dominique Marie Delan-	Xichen Li (February, 2021)	Edward Sulitzer (February, 2021)
noy	Zhaodong Li	Dongfang Wang (February, 2021)
Anastasia Demina (February, 2021)	Ce Liang (February, 2021)	Jingwen Wang
Samy R. El Khoury	Zizheng Liu (February, 2021)	Shuwen Wang (February, 2021)
Cheikh Ahmadou Bamba Fall (February, 2021)	Meiquan Lu	Decomposition of Oil Price Supply and Demand Shock in Stock Returns and Economic Performances
Shuyuan Fang (February, 2021)	Yixian Ma (February, 2021)	Taoyuan Wang (February, 2021)
Lorraine Camille Felix	Michele Marinucci (February, 2021)	Michael M. Wehbe (February, 2021)
Georges Geha (February, 2021) Use of Modern Machine Learning Techniques to Prevent the Occurrence and Outcome of Corporate Takeover Events	Kazutoki Matsui	Jing Wen (February, 2021)

Xiaopeng Wu
(February, 2021)

Fangyan Xie
(February, 2021)

Bryan Kai Jie Yan

Hang Yang

Xueyi Yang
(February, 2021)

Yueqi Yang
(February, 2021)

Haocheng Ye
(February, 2021)

Sifan Ye
(February, 2021)

Kayo Yoshizawa
(February, 2021)

Zhengyi Yu
(February, 2021)

Jack Curtis Zelman
(February, 2021)

Jie Zhang

Renjie Zhang
(February, 2021)

Weijia Zhang
(February, 2021)

Yiran Zhang
(February, 2021)

Xuan Zhao

**Master of Science in
Management Studies**
Course XV-S
Sloan School of Management

Phebe Bay
A Market Feasibility Analysis of the
Carbon Capture Utilization and Storage
Landscape in China for Foreign Firms

Mateusz Burgunder
Stochastic Modeling of Performance-Based Annuities: Increasing Gene Therapy Accessibility by Managing the Uncertainty of Costs and Treatment Value

Yiwen Chen
A Research on Corporate Bond Defaults in the Chinese Market

Amelia Marie Danielle Crespo
Innovations in Game-based Learning: How Lead Users Created Minecraft: Education Edition

Amar Singh Dhesi
Sustaining Digital Transformation in the Post-COVID Era: Nike Case Study

Saemi Kim
The Benefits of Offline Merchandise in Brand Building

Jingqiao Li
Competitive Analysis of New Energy Vehicle Market in China

Yi Denise Lim
How Can Startup Leaders Strategically Disclose Vulnerabilities During Periods of Crisis?

Kaishuo Lin
Are Changing Margins Factored into Stock Prices?

Xinya Liu
An Analysis of Digital Marketing Strategy in the Era of Social Media in China

Keitumetse Masego Mmatlala Molamu
African Entrepreneurship Ecosystems: A Comparative Study of the Top Five

Gege Nie
A Study of Chinese Mutual Insurance

Yucun Wang
Applying Robotic Process Automation in the Banking Industry

Jingyi Wu
Study of Video-Sharing Platforms: The Global Rise of TikTok

Shuaiyu Wu
Analysis of the New Development Direction of Chinese Overseas Fintech Payment Companies

Catherine Yu
Knowledge Management in Multinational Offices: Informative Case Studies and their Applications to the Future

**Master of Science in
Management Research**
Course XV
Sloan School of Management

Maya T. Bidanda
What are the Local Spillover Effects of Innovation?

Yiqun Cao
(February, 2021)
Comparing User Behavior When Targeted Based on Firm Inferred Interest vs. User Stated Interest

Ki-Soon Choi
Going by the Book: Valuation Ratios and Stock Returns

Timothy Harindra de Silva
(February, 2021)
The Announcement Waiting Game: Holding Costs, Trading, and Returns Around Earnings Announcements

Wesley Hatch Greenblatt
Physician Entrepreneurship: Evidence from Massachusetts

Joanne Im
Real Bond Return Parity

Jonathan E. Jensen
What Determines the Allocation of Government Resources to Local Areas?

Raquel Renee Kessinger
Orchestrating Friendship in the Firm: Softening the Edges of Algorithmic Evaluation

Soomi Kim
Insurance Design and Pharmaceutical Innovation

William Thomas Kimball
(September, 2020)
Taking an Occupational Lens to Worker Voice and Preference for Labor Representation

Tatiana Labuzova
Application Choices to Gender-Typed Jobs

James Edward Paine
(September, 2020)
Algorithmic Intervention to Mitigate Inventory and Ordering Amplification in Multi-Echelon Supply Chains

Justin Rand Scott
(February, 2021)
The Municipal Bond Valuation Puzzle: Evidence from U.S. States

Jian Sun
(September, 2020)
Reputation with Stopping Time Decision

Hagay Constantin Volovovsky
(September, 2020)
When Will They (Ever) Learn?

Yifei Wang
(February, 2021)
Low Engagement and Failed Choices: Exploring the Mechanism for Harbingers of Failure

George Ward
(February, 2021)
Happiness and Voting: Evidence from Four Decades of Elections in Europe

Jiaheng Yu
Learning from Financial Markets and Misallocation

Yunhao Zhang
(September, 2020)
Identify Experts through Revealed Confidence: Application to Wisdom of Crowds

Nikhil Byanna
(See also M.B.A., Course XV)
Ship-Pack Replenishment Optimization in a Two-Echelon Distribution System with Lost Sales and Product Obsolescence

Georgia G. Dimaki
(September, 2020)
Dynamic Node Clustering for Hierarchical Optical Data Center Network Architectures

Célia Escribe
Reducing Physician Burnout and Costs in Outpatient Healthcare Settings via Advanced Analytics

Andreea Georgescu
(February, 2021)
Inventory Positioning in Modern Retail

Zachery Maxwell Halem
Financing Fusion Energy

Neal Kamal Kaw
Preventing Opioid Overdose: From Prediction to Operationalization

Thomas Padruig Kendall
Optimizing Weapon Precision

Daniel Timothy Killian
Operational Innovations to Improve Malawi's HIV Sample Transportation Network

Matthew J. Koch
Air Force Crew Scheduling: An Integer Optimization Approach

Jessamyn Liu
(September, 2020)
Anomaly Detection Methods for Detecting Cyber Attacks in Industrial Control Systems

Matthew Yuan
An EM Algorithm for Lidar Deconvolution

Master of Science in Operations Research

Sloan School of Management in conjunction with the Schwarzman College of Computing

SCHOOL OF SCIENCE

Master of Science in Chemistry

Course V

Department of Chemistry

Johanna Christine Barbour

Studies in Selective C-C Bond Formation
via Borylation and Dehydrogenation

Daniel Harper

Computationally-Derived Design
Principles for Water Oxidation Catalysts

Carolyn Eunjin Suh

Synthesis of Deoxysugars through
Manganese-Promoted Redox
Isomerization

Kathleen Jun Wang

Development and Optimization
of Photoredox-Mediated Methine
Epimerization

Master of Science in Biology

Course VII

Department of Biology

Albert Thomas Magnell

(February, 2021)

Epigenetic Memory of Mouse Intestinal
Inflammation

Qinze Arthur Zhang

(February, 2021)

Understanding the Effects of Sex
Chromosomes and Sex Hormones on Sex
Differences

Master of Science in Physics

Course VIII

Department of Physics

Jennifer Renee Crawford

(September, 2020)

Exact Diagonalization Study of Charged
Excitations in Twisted Bilayer Graphene
Aligned with Hexagonal Boron Nitride

Gwang-jun Kim

(February, 2021)

Study of Beauty Meson Production in
PbPb Collisions with CMS

Bola Malek

Quasi-Potential Analysis of Multi-Stable
Stochastic Differential Equations

Master of Science in Brain and Cognitive Sciences

Course IX

*Department of Brain and Cognitive
Sciences*

Yuan Bian

Noisy-Channel Processing of Questions

Joey Velez-Ginorio

Compositional Desires as Compositional
Programs

Master of Engineering in Computation and Cognition

Course VI-9

*Department of Brain and Cognitive
Sciences*

Melat R. Anteneh

Evaluating Shadowspect as a Potential
Measure of Spatial Reasoning

Hang Le Thi Nguyet

Investigating the Role of Biological
Constraints in Adversarial Robustness
via Modeling and Representational
Geometry

Master of Science in Earth and Planetary Sciences

Course XII

*Department of Earth, Atmospheric,
and Planetary Sciences*

Andrew T. Cummings

(September, 2020)

(See also S.M., Course XVI)
Characterization of Solar X-ray Response
Data from the REXIS Instrument

AWARDED JOINTLY WITH THE WOODS HOLE OCEANOGRAPHIC INSTITUTION

Master of Science in Mechanical Engineering

Christopher Raymond Dolan

Course II

(September, 2020)

A Method for On-line Water Current Velocity Estimation Using Low-Cost Autonomous Underwater Vehicles

Zachary J. Duguid

Course II

(September, 2020)

Towards Basin-Scale *in-situ* Characterization of Sea-Ice Using an Autonomous Underwater Glider

John Zhang Li

Course II

(September, 2020)

A Planned Approach to High Collision Risk Area

Brendan William O'Neill

Course II

(September, 2020)

Signal Absorption-Based Range Estimator for Undersea Swarms

Nastasia E. Winey

Course II

(September, 2020)

Modifiable Stability and Maneuverability of High Speed Unmanned Underwater Vehicles (UUVs) Through Bioinspired Control Fins

Casey Richard Owen Densmore

Course XII

(September, 2020)

Development and Testing of the AXBT Realtime Editing System (ARES)

Jeffrey Scott Grabon

Course XII

(September, 2020)

An Analysis of Atlantic Water in the Arctic Ocean Using the Arctic Subpolar Gyre State Estimate and Observations

Praneeth Gurumurthy

Course XII

(February, 2021)

Estimating Atmospheric Boundary Layer Turbulence in the Marine Environment Using Lidar Systems with Applications for Offshore Wind Energy

Master of Science in Aeronautics and Astronautics

Morgan Grace Blevins

Course XVI

Field-Portable Dissolved Gas Sensing and Perspectives in Aqueous Microplastic Detection

Master of Science in Chemical Oceanography

Jessica Stephanie Dabrowski

Course XII

(September, 2020)

Radium Isotopes and Radon-222 as Tracers of Sediment-Water Interaction in Arctic Coastal and Lacustrine Environments

Master of Science in Physical Oceanography

SCHOOL OF ARCHITECTURE AND PLANNING, DOCTORAL

Doctor of Philosophy

School of Architecture and Planning

Chaewon Ahn

Thesis in the field of Urban and Regional Planning submitted to the Department of Urban Studies and Planning: Manufacturing Social Capital: Social Networks through Civic Innovation Initiatives

Judith Amores Fernandez

(September, 2020)
Thesis in the field of Media Arts and Sciences: Olfactory Interfaces: Toward Implicit Human-Computer Interaction Across the Consciousness Continuum

Christoph Bader

(February, 2021)
Thesis in the field of Media Arts and Sciences: Translational Design Computation

Mark Emmanuel Brennan

(September, 2020)
Thesis in the field of Policy, Operations, and Management submitted to the Department of Urban Studies and Planning: Social Policy and Operations Management

Elizabeth Saari Browne

Thesis in the field of Architecture: History and Theory of Art submitted to the Department of Architecture: Modeling the Eighteenth Century: Clodion in the Ancien Régime and After

Pranam Chatterjee

(September, 2020)
Thesis in the field of Media Arts and Sciences: Robust Genome Editing with Broad-Targeting CRISPR Enzymes

Weixuan Chen

(September, 2020)
Thesis in the field of Media Arts and Sciences: Autonomic Activity from Human Videos

Madeleine Isabelle Gorkin Daapp

(September, 2020)
Thesis in the field of Urban and Regional Planning submitted to the Department of Urban Studies and Planning: Three Essays on Residential Mobility, Housing, and Health

Renaud Alexis Pierre Emile Danhaive

(September, 2020)
Thesis in the field of Architecture: Building Technology submitted to the Department of Architecture: Structural Design Synthesis Using Machine Learning

Bianca Chelsea Natasha Datta

Thesis in the field of Media Arts and Sciences: Biologically-inspired Structural Color: Material Design and Fabrication Strategies Drawn from Nature's Color Palette

Priyanka Nadia deSouza

Thesis in the field of Urban and Regional Planning submitted to the Department of Urban Studies and Planning: Making Air Quality Count: Low-Cost Sensors, Public Health and Urban Planning

Ariel Caitlyn Ekblaw

(September, 2020)
Thesis in the field of Media Arts and Sciences: Self-Aware Self-Assembly for Space Architecture: Growth Paradigms for in-Space Manufacturing

Cauam Ferreira Cardoso

(September, 2020)
Thesis in the field of International Development submitted to the Department of Urban Studies and Planning: Technological Change & the Changing Nature of Grassroots Development Organizations: The Case of the Self-Employed Women's Association of India (SEWA)

Yonah Slifkin Freemark

(September, 2020)
Thesis in the field of Urban and Regional Studies submitted to the Department of Urban Studies and Planning: Mobility Politics: Local Ideologies in the Multi-Jurisdictional Metropolis

Asma Ghandeharioun

Thesis in the field of Media Arts and Sciences: Towards Human-Centered Optimality Criteria

Nabeel Nadir Gillani

Thesis in the field of Media Arts and Sciences: Designing for a New "ZIP Code Destiny"

João Pedro Gonçalves Marins Costa

Thesis in the field of Media Arts and Sciences: Systems of Becoming: Mediating Dialogue Between Nature and Design

Huma Gupta

(September, 2020)
Thesis in the field of Architecture: History and Theory of Architecture submitted to the Department of Architecture: Migrant Sarifa Settlements & State-Building in Iraq

Cristian Ignacio Jara Figueroa

Thesis in the field of Media Arts and Sciences: Cities, Networks, and Knowledge Spillovers

Benjamin Eric Jenett

(September, 2020)
Thesis in the field of Media Arts and Sciences: Discrete Mechanical Metamaterials

Nicholas F. Kelly

(February, 2021)
Thesis in the field of Public Policy and Urban Planning submitted to the Department of Urban Studies and Planning: Can Housing Policy Address Spatial Inequality? Innovations in Policy and Politics to Expand Access to Opportunity Neighborhoods

Matthew Everett Lawson

(September, 2020)
Thesis in the field of Media Arts and Sciences: Biologically Encoding Augmented Reality: Multiplexing Perceptual Bandwidths

Michael Chia-liang Lin

(February, 2021)
Thesis in the field of Media Arts and Sciences: Affordable Autonomous Lightweight Personal Mobility

Brian Dean Mayton
(September, 2020)
Thesis in the field of Media Arts and Sciences: Sensor Networks for Experience and Ecology

Juliana Toni Nazare
(February, 2021)
Thesis in the field of Media Arts and Sciences: Technology-Assisted Coaching: A System for Children's Literacy Learning

Laura Jones Perovich
(September, 2020)
Thesis in the field of Media Arts and Sciences: From Data Physicalization to Data Experiences: Combining Art, Science, Technology, and Community to Move Towards Collective Action on Environmental Challenges

Nazmus Saquib
(September, 2020)
Thesis in the field of Media Arts and Sciences: Embodied Mathematics by Interactive Sketching

Martin Saveski
(September, 2020)
Thesis in the field of Media Arts and Sciences: Polarization and Toxicity in Political Discourse Online

Rachel Soo Hoo Smith
Thesis in the field of Media Arts and Sciences: How to Grow a Spaceship: A Hybrid Living Material (HLM) Framework for Developing Technological Interfaces to Complex Living Systems

Shin Bin Tan
Thesis in the field of Urban and Regional Planning submitted to the Department of Urban Studies and Planning: Three Essays Examining Social Vulnerability and Place-Based Determinants of Health

Daniel Martin Traficante
(February, 2021)
Thesis in the field of Political Economy submitted to the Department of Urban Studies and Planning: Patents Over Planning: Industrial Capital and Federal Innovation Policy

Irmak İfakat Turan
(September, 2020)
Thesis in the field of Architecture: Building Technology submitted to the Department of Architecture: Valuing Design and Designing Value: The Financial Impact of Daylight and Views in Office Building Real Estate

Jessica Ann Varner
(September, 2020)
Thesis in the field of Architecture: History and Theory of Architecture submitted to the Department of Architecture: Chemical Desires: Dyes, Additives, Foams, and the Making of Architectural Modernity

Prashanth Vijayaraghavan
Thesis in the field of Media Arts and Sciences: Socially-Aware Machine Learning: Towards Leveraging the Relationship between Narrative Comprehension and Mentalizing

Rixt Laurien Woudstra
(September, 2020)
Thesis in the field of Architecture: History and Theory of Architecture submitted to the Department of Architecture: Planning the 'Multiracial City': Architecture, Decolonization, and the Design of Stability in British Africa, 1945-1957

SCHWARZMAN COLLEGE OF COMPUTING, DOCTORAL

Doctor of Philosophy

Schwarzman College of Computing

Rui Sun

(September, 2020)

Thesis in the field of Social and
Engineering Systems and Statistics
submitted to the Institute for Data,
Systems, and Society: Online Learning
and Optimization in Operations
Management

Jinglong Zhao

Thesis in the field of Social and
Engineering Systems and Statistics
submitted to the Institute for Data,
Systems, and Society: Data-Driven
Operations: From Algorithm
Development to Experimental Design

SCHOOL OF ENGINEERING, DOCTORAL

Doctor of Science

School of Engineering

Tyler T. Hamer

Thesis in the field of Mechanical Engineering: A Permanent Magnetic Dipole Reaction Sphere Actuator for Spacecraft Attitude Control

Brandon James Lahmann

Thesis in the field of Nuclear Science and Engineering: Using Fusion-Product Spectroscopy to Diagnose Inertial Confinement Fusion Implosions and Study Stopping Power on OMEGA, the NIF, and Z

Talal Mulla Mahmoud

Thesis in the field of Civil Engineering submitted to the Department of Civil and Environmental Engineering: Fracture Mechanics in the Semigrand Canonical Ensemble

Anoop Rajappan

(September, 2020)
Thesis in the field of Mechanical Engineering: Polymers and Plastrons: Active and Passive Drag Reduction in Wall-Bounded Turbulent Flows

Mary Elizabeth Wagner

Thesis in the field of Materials Science and Engineering: New Methodology to Model Metal Chemistry at High Temperature

Doctor of Philosophy

School of Engineering

Mohamed Radwan Abdelhamid

Thesis in the field of Electrical Engineering and Computer Science: Low Power Adaptive Wireless Circuits for In-Body Implants

Akshay Agarwal

(September, 2020)
Thesis in the field of Electrical Engineering submitted to the Department of Electrical Engineering and Computer Science: Techniques for Enhancing Electron Microscopy

Giulia Agostinelli

(September, 2020)

Thesis in the field of Nuclear Science and Engineering: Advancement of Closure Relations for Annular Flow Modeling in CFD

Raj Agrawal

Thesis in the field of Electrical Engineering and Computer Science: Practical Methods for Scalable Bayesian and Causal Inference with Provable Quality Guarantees

Yvana Daniella Ahdab

(February, 2021)

Thesis in the field of Mechanical Engineering: Performance and Economics of Monovalent Selective Electrodialysis Desalination for Irrigation

Abdulaziz Mohammad Albaiz

(February, 2021)

Thesis in the field of Computational Science and Engineering submitted to the Department of Civil and Environmental Engineering: Decentralized Dynamic Load-Balancing Framework for Large-Scale Particle-Based Simulations

Anas Ibrahim Al Bastami

(September, 2020)

Thesis in the field of Electrical Engineering and Computer Science: Efficient Radio Frequency Power Generation and Impedance Matching

Abdulla Abdulaziz Alhajri

(September, 2020)

Thesis in the field of Computational Nuclear Science and Engineering: A Monte Carlo Framework for Nuclear Data Uncertainty Propagation via the Windowed Multipole Formalism

Maryam Aliakbarpour

(September, 2020)

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Distribution Testing: Classical and New Paradigms

Caleb Amy

(September, 2020)

Thesis in the field of Mechanical Engineering: Thermal Energy Grid Storage: Liquid Containment and Pumping

Luke James Anderson

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Languages and Compilers for Rendering and Image Processing

Nicolaas Manuel Angenent-Mari

Thesis in the field of Biological Engineering: Synthetic Biology and Artificial Intelligence for Next Generation Nucleic Acid Diagnostics

Sandeep Badrinath

Thesis in the field of Aeronautics and Astronautics: Modeling and Control of Queuing Networks: Applications to Airport Surface Operations

Changyeob Baek

(February, 2021)

Thesis in the field of Mechanical Engineering: Geometry-Driven Filamentary Structures: Elastic Gridshells, Weaves, Clasps, and Knots

Michiel Anton Bakker

(September, 2020)

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Algorithmic Fairness in Sequential Decision Making

Utsav Banerjee

Thesis in the field of Electrical Engineering and Computer Science: Efficient Algorithms, Protocols and Hardware Architectures for Next-Generation Cryptography in Embedded Systems

Antonio Eric Barberio

(September, 2020)

Thesis in the field of Chemical Engineering: Layer-by-Layer Nanoparticles for Cytokine Delivery to Treat Cancer

Jackson Joseph Bauer Thesis in the field of Materials Science and Engineering: Growth and Characterization of Polycrystalline Rare Earth Iron Garnets and Heterostructures	Matthew S. Brennan Thesis in the field of Electrical Engineering and Computer Science: Reducibility and Statistical-Computational Gaps from Secret Leakage (Posthumous Award)	Hao-Yu Derek Chang Thesis in the field of Civil Engineering and Computation submitted to the Department of Civil and Environmental Engineering: Risk Assessment and Optimal Response Strategies for Resilience of Electric Power Infrastructure to Extreme Weather
Anastasiya Belyaeva (February, 2021) Thesis in the field of Computational and Systems Biology: Computational Methods for Analyzing and Modeling Gene Regulation and 3D Genome Organization	Edward Emmett Burnell (September, 2020) Thesis in the field of Mechanical Engineering: A Worker-Centered Approach to Convex Optimization in Engineering Design	Chung-Yun Chao (September, 2020) Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Engineering of Tools for De Novo Assembly of Human Cells
Sarah Christine Bening (February, 2021) Thesis in the field of Biological Engineering: Exploring and Enhancing Context-Dependent Beta-Lactam Antibiotic Efficacy	Lucas Christopher Cahill Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Rapid Evaluation of Pathology Using Nonlinear Microscopy with Applications in Breast Cancer, Prostate Cancer, and Renal Disease	Amanda Chen (February, 2021) Thesis in the field of Biological Engineering: Probing the Role of Cell-Cell Interactions in Hepatic Ensembles
Alex Benjamin (September, 2020) Thesis in the field of Mechanical Engineering and Computation submitted to the Department of Mechanical Engineering: 3D Organ Property Mapping Using Freehand Ultrasound Scans	José Pablo Cambronero Sánchez Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Software Engineering for AutoML	Hongge Chen (February, 2021) Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Robust Machine Learning Models and Their Applications
Mindy Deanna Bishop Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Progress in Nanosystems for Computing and Health	Benjamin Clive Cameron (February, 2021) Thesis in the field of Civil and Environmental Engineering: Expanding the Limits of in-situ Mechanical Tests Using Data Analytics and Continuum Mechanics	Samuel Chapman Chevalier (February, 2021) Thesis in the field of Mechanical Engineering: Inference, Estimation, and Prediction for Stable Operation of Modern Electric Power Systems
Davis Whitaker Blalock (September, 2020) Thesis in the field of Electrical Engineering and Computer Science: Fast Building Blocks for Machine Learning	Yuan Cao (September, 2020) Thesis in the field of Electrical Engineering submitted to the Department of Electrical Engineering and Computer Science: Study Of Electronic Correlation And Superconductivity In Twisted Graphene Superlattices	Joonwon Choi (February, 2021) Thesis in the field of Electrical Engineering and Computer Science: Structural Design and Proof of Hierarchical Cache-Coherence Protocols
David Allan Bloore Thesis in the field of Nuclear Science and Engineering: Spin-Aware Neural Network Interatomic Potential for Atomistic Simulation	Max Carlson Thesis in the field of Nuclear Science and Engineering: Design of Fouling-Resistant Coatings for Energy Systems: Theory and Proof of Principle at Realistic Conditions	Guillaume Pierre Chossière (February, 2021) Thesis in the field of Aerospace, Energy, and the Environment submitted to the Department of Aeronautics and Astronautics: Atmospheric Impacts and Potential for Regulation of Current and Emerging Technologies in Transportation
Jeffrey Bosboom (September, 2020) Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Exhaustive Search and Hardness Proofs for Games	Paphonwit Chaiwatanodom Thesis in the field of Chemical Engineering: Fault Detection and Identification of Large-Scale Dynamical Systems	Jonathan Ju-En Chou (September, 2020) Thesis in the field of Chemical Engineering: Engineering Nanolayers for Localized Delivery of siRNA

Jane Yuen Yung Chui (September, 2020) Thesis in the field of Civil and Environmental Engineering: Mixing with Complex Patterns: from the Impact of Miscible Viscous Fingering to the Effects of Motile Bacteria	Marco Francis Cusumano-Towner (September, 2020) Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Gen: A High-Level Programming Platform for Probabilistic Inference	Jennifer Fox Drexler (September, 2020) Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Improving End-to-End Neural Network Models for Low-Resource Automatic Speech Recognition
James R. Clark (September, 2020) Thesis in the field of Aeronautics and Astronautics: Space-Based Laser Guide Stars for Astronomical Observatories	Erika Alden DeBenedictis (February, 2021) Thesis in the field of Biological Engineering: Engineering Exclusively-Quadruplet Codon Translation <i>in vivo</i>	Pablo Philippe Ducru Clouthier Thesis in the field of Computational Nuclear Science and Engineering: Nuclear Computations Under Uncertainty
Thomas Charles Close, Jr. (February, 2021) Thesis in the field of Chemical Engineering: Kinetic Analysis of Leaching Reactions in Multi-component Mineral Systems	Skylar Deckoff-Jones Thesis in the field of Materials Science and Engineering: Chalcogenide Glass on Layered van der Waals Crystals for Integrated Photonic Devices	Emma Chute Edwards (September, 2020) Thesis in the field of Mechanical Engineering: Optimization of the Geometry of Axisymmetric Point-Absorber Wave Energy Converters
Max Joseph Cotler Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Single Subcompartment Drug Delivery	Zhiwei Ding Thesis in the field of Materials Science and Engineering: Phonon Hydrodynamic Transport at Elevated Temperature	Daniela Espinosa Hoyos (September, 2020) Thesis in the field of Chemical Engineering: Engineering Myelination <i>In Vitro</i>
Carolyn Patricia Coyle (September, 2020) Thesis in the field of Nuclear Science and Engineering: Advancing Radiative Heat Transfer Modeling in High-Temperature Liquid-Salts	Kimberly Tam Dinh (September, 2020) Thesis in the field of Chemical Engineering: Catalytic Conversion of Methane to Partially Oxidized Products over Copper-Exchanged Zeolites	Michael F. Everett (September, 2020) Thesis in the field of Mechanical Engineering: Algorithms for Robust Autonomous Navigation in Human Environments
Avilash Kalpathy Cramer (February, 2021) Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Design and Applications of Cold-Cathode X-ray Imaging Systems	Kieran Patrick Dolan (February, 2021) Thesis in the field of Nuclear Science and Engineering: Tritium Retention in Nuclear Graphite, System-Level Transport, and Management Strategies for the Fluoride-Salt-Cooled High-Temperature Reactor	Boyu Fan (September, 2020) Thesis in the field of Mechanical Engineering: Instabilities of Finite-Width Internal Wave Beams
Isabel R. Crystal Thesis in the field of Materials Science and Engineering: Size Effects in Shape Memory Ceramics	Siyuan Dong (February, 2021) Thesis in the field of Electrical Engineering submitted to the Department of Electrical Engineering and Computer Science: High-Resolution Tactile Sensing for Reactive Robotic Manipulation	Elaheh Fata (September, 2020) Thesis in the field of Controls submitted to the Department of Aeronautics and Astronautics: New Problems in Revenue Management, Theory and Applications
Ang Cui Thesis in the field of Health Sciences and Technology submitted to the Harvard-MIT Program in Health Sciences and Technology: Systems Biology Approaches to Deciphering Complex Immune Responses	Wentao Dong (September, 2020) Thesis in the field of Chemical Engineering: Exploring Cancer Metabolism Through Isotopic Tracing and Metabolic Flux Analysis	Andrew F. Feldman Thesis in the field of Hydrology submitted to the Department of Civil and Environmental Engineering: Soil-Plant-Atmosphere Coupling during Interstorm Periods
		Stephen A. Filippone Thesis in the field of Materials Science and Engineering: Synthesis and Characterization of Chalcogenide Perovskites

Joseph Tyler Finley

(September, 2020)

Thesis in the field of Electrical Engineering and Computer Science: Spintronics Using Low Magnetization Materials

Riley McCrea Fitzgerald

Thesis in the field of Space Systems

submitted to the Department of Aeronautics and Astronautics: Optimization and Characterization of Chance-Constrained Guidance, Navigation, and Control for Low-Energy Lunar Transfers

Matthew Thomas Flavin

Thesis in the field of Electrical Engineering submitted to the Department of Electrical Engineering and Computer Science: Electrochemical Modulation of Peripheral Nerves Using Ion-Selective Electrodes

Dimitrios Fragedakis

Thesis in the field of Chemical Engineering: Electrochemical and Transport Processes in Ion Intercalation Materials

Kristoffer M. Frey

Thesis in the field of Controls submitted to the Department of Aeronautics and Astronautics: Belief-Space Planning for Real-World Systems: Efficient SLAM-Based Belief Propagation and Continuous-Time Safety

Terry Zhi Hao Gani

(September, 2020)

Thesis in the field of Chemical Engineering: Mechanistic Studies and Design of Supported Single-Site Transition Metal Complexes

Cherry Gao

(September, 2020)

Thesis in the field of Biological Engineering: Ecological Insights through Single-Cell Measurements of Marine Bacteria

Linyi Gao

(September, 2020)

Thesis in the field of Biological Engineering: Discovery and Engineering of Antiviral Defense Systems in Bacteria and Archaea

Vikas K. Garg

(September, 2020)

Thesis in the field of Electrical Engineering and Computer Science: Graph Guided Predictions

Baoliang Ge

Thesis in the field of Mechanical

Engineering: Single-Shot Quantitative Interferometric Microscopy for Imaging High-Speed Dynamics

Ryan Joseph Gillis

(September, 2020)

Thesis in the field of Chemical Engineering: Sulfur Chemistry in Theory and Application

Leilani Hendrina Gilpin

(September, 2020)

Thesis in the field of Electrical Engineering and Computer Science: Anomaly Detection through Explanations

Guillaume Louis Giudicelli

(September, 2020)

Thesis in the field of Computational Nuclear Science and Engineering: A Novel Equivalence Method for High Fidelity Hybrid Stochastic-Deterministic Neutron Transport Simulations

Jon Ferdinand Ronge Gjengset

(February, 2021)

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Partial State in Dataflow-Based Materialized Views

Emerson Walker Glassey

Thesis in the field of Biological

Engineering: Design of Post-Translationally Modified Peptides by Combining Enzymes from Diverse Pathways

Rahul Gopalkrishnan

(September, 2020)

Thesis in the field of Electrical Engineering and Computer Science: Advances in Deep Generative Modeling for Clinical Data

William Nicholas Greene

(February, 2021)

Thesis in the field of Autonomous Systems submitted to the Department of Aeronautics and Astronautics: Leveraging Prior Information for Real-time Monocular Simultaneous Localization and Mapping

Jason S. Gross

(February, 2021)

Thesis in the field of Electrical Engineering and Computer Science: Performance Engineering of Proof-Based Software Systems at Scale

Yue Guan

(February, 2021)

Thesis in the field of Mechanical Engineering and Computation submitted to the Department of Mechanical Engineering: Design and Optimization of Shared Mobility on Demand: Dynamic Routing and Dynamic Pricing

Markus Guerster

(September, 2020)

Thesis in the field of Space Systems submitted to the Department of Aeronautics and Astronautics: Revenue Management and Resource Allocation for Communication Satellite Operators

Aditi Gupta

(February, 2021)

Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Human Interaction and Gait Strategy with Tightly-Coupled Lower-Extremity Systems

Satish Kumar Gupta

Thesis in the field of Mechanical Engineering: Linear and Non-Linear Mechanical Nature of a Living Mammalian Cytoplasm

Cynthia Hajal

(February, 2021)

Thesis in the field of Mechanical Engineering: Engineered Microvascular Brain-on-a-Chip Model for the Study of Tumor Progression

Jinchi Han

Thesis in the field of Electrical Engineering and Computer Science: Active Micro-/Nano-Structures for Electromechanical Actuation

Erika Daphne Handly
(February, 2021)
Thesis in the field of Biological Engineering: CRISPRi Screens to Identify Combination Therapies for the Improved Treatment of Ovarian Cancer

Junli Hao
Thesis in the field of Chemical Engineering: Fibrous Membranes in Personal Protective Applications

Sterling M. Harper
(September, 2020)
Thesis in the field of Nuclear Science and Engineering: Tally Derivative Based Surrogate Models for Faster Monte Carlo Multiphysics

Noor Titan Putri Hartono
Thesis in the field of Mechanical Engineering: Improving the Environmental Stability of Methylammonium-Based Perovskite Solar Cells

David S. Hayden
Thesis in the field of Electrical Engineering and Computer Science: Uncertainty Quantification and Structure Discovery for Scalable Behavior Science

Yanpu He
(February, 2021)
Thesis in the field of Chemical Engineering: Layer-by-layer Coated Microneedles for Cancer Immunotherapy

Brian Lance Hie
Thesis in the field of Electrical Engineering and Computer Science: Algorithms for Understanding and Fighting Infectious Disease

Rachel Marie Hoffman-Bice
Thesis in the field of Mechanical Engineering: Precision Assembly of Underconstrained Heavy Shafts Suspended By Multiple Cables From A Robotic Crane

Jack Wade Holloway
(February, 2021)
Thesis in the field of Electrical Engineering submitted to the Department of Electrical Engineering and Computer Science: Energy Efficiency Sub-THz Interconnect

Moo Sun Hong
Thesis in the field of Chemical Engineering: Model-based Design and Control of Biopharmaceutical Manufacturing Processes

Yuanming Hu
Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Taichi: A Productive Programming Language for Sparse, Differentiable, and Quantized Visual Computing Systems

Shengnan Huang
(September, 2020)
Thesis in the field of Materials Science and Engineering: Plasmon Enhanced Fluorescence for in vivo Applications

Lukasz Marek Huchel
Thesis in the field of Electrical Engineering and Computer Science: Diagnostics for Periodically Excited Actuators

Sagar Indurkha
(February, 2021)
Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Solving for Syntax

Rupamathi Jaddivada
(September, 2020)
Thesis in the field of Electrical Engineering submitted to the Department of Electrical Engineering and Computer Science: A Unified Modeling for Control of Reactive Power Dynamics in Electrical Energy Systems

Rohan Jaishankar
Thesis in the field of Electrical Engineering and Computer Science: A Spectral Approach to Noninvasive ICP Estimation: From Modeling to Clinical and Experimental Validation

Di Jin
(September, 2020)
Thesis in the field of Mechanical Engineering and Computation submitted to the Department of Mechanical Engineering: Transfer Learning and Robustness for Natural Language Processing

Ross Daniel Jones
(September, 2020)
Thesis in the field of Biological Engineering: Genetic Devices for Robust, Context-Independent Control of Gene Expression Levels in Mammalian Cells

Alexander Timo Jörger
Thesis in the field of Air-Breathing Propulsion submitted to the Department of Aeronautics and Astronautics: Incorporation of High-Fidelity Flow Field Information into Preliminary Design of Multi-Stage Axial Compressors

Julia Joung
(February, 2021)
Thesis in the field of Biological Engineering: Applications of Forward Genetic Screens to LncRNAs, Cancer Immunotherapy, and Cellular Engineering

Giyoung Jung
(February, 2021)
Thesis in the field of Health Sciences and Technology submitted to the Harvard-MIT Program in Health Sciences and Technology: Engineering Mammalian Cell Line for N-linked Glycosylation Control

Igor Kadota
(September, 2020)
Thesis in the field of Communications and Networks submitted to the Department of Aeronautics and Astronautics: Age of Information in Wireless Networks: Theory and Implementation

Ashley Louise Kaiser
Thesis in the field of Materials Science and Engineering: Interfacial and Physical Confinement Effects on the Structure and Properties of Aligned Carbon Nanotube Architectures

Timothy F. S. Kaler
(September, 2020)
Thesis in the field of Computer Science and Engineering submitted to the Department of Electrical Engineering and Computer Science: Programming Technologies for Engineering Quality Multicore Software

Hao Kang Thesis in the field of Civil and Environmental Engineering: Numerical and Experimental Study of Rock Fracture Creep Under Dry Conditions	Sunho Kim (September, 2020) Thesis in the field of Materials Science and Engineering: Defect and Electrical Properties of High-k Dielectric Gd_2O_3 for Magneto-Ionic and Memristive Memory Devices	Shikhar Kumar Thesis in the field of Nuclear Science and Engineering: An Asynchronous Ensemble-Averaging Approach to CMFD Source Acceleration: Rearchitecting Monte Carlo Reactor Simulation Paradigms for the Exascale Computing Age
Michael George Kapteyn Thesis in the field of Computational Science and Engineering: Mathematical and Computational Foundations to Enable Predictive Digital Twins at Scale	Andras Laszlo Andor Kiss (February, 2021) Thesis in the field of Aeronautics and Astronautics: Forced Response System Identification of Gas Turbine Fan Flutter	Stephen Tsz Tang Lam (September, 2020) Thesis in the field of Nuclear Science and Engineering: Accelerated Atomistic Prediction of Structure, Dynamics and Material Properties in Molten Salts
Swati Kataria Thesis in the field of Health Sciences and Technology submitted to the Harvard-MIT Program in Health Sciences and Technology: Rare-Earth Nanoparticles for Non-invasive In Vivo Imaging of Immune Cells in Cancer Immunotherapy	William Lawrence Koch Thesis in the field of Nuclear Science and Engineering: Construction and Testing of a Portable Time Projection Chamber for Fast Neutron Detection	Natalie Lao (September, 2020) Thesis in the field of Electrical Engineering and Computer Science: Reorienting Machine Learning Education Towards Tinkerers and ML-Engaged Citizens
Kenji Kawaguchi (September, 2020) Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: On Optimization and Scalability in Deep Learning	Ravikishore Kommajosula (September, 2020) Thesis in the field of Mechanical Engineering and Computation submitted to the Department of Mechanical Engineering: Development and Assessment of a Physics-Based Model for Subcooled Flow Boiling with Application to CFD	David Frederick Hasson Larson Thesis in the field of Mechanical and Oceanographic Engineering submitted to the Department of Mechanical Engineering: Quasi-Monte Carlo and Picard Iteration Algorithms for the Nonlinear Hydrodynamics, Dynamics and Controls of Wave Energy Converters
Ali Khalatpour (September, 2020) Thesis in the field of Electrical Engineering and Computer Science: New Frontiers in THz Quantum Cascade Lasers	Reed Alan Kopp Thesis in the field of Materials and Structures submitted to the Department of Aeronautics and Astronautics: X-ray Micro-Computed Tomography and Deep Learning Segmentation of Progressive Damage in Hierarchical Nanoengineered Carbon Fiber Composites	Nikifar Lazouski (See also S.M., Course X-A) Thesis in the field of Chemical Engineering: Development of a Lithium-Mediated Nitrogen Reduction Process
Harneet Singh Khurana (February, 2021) Thesis in the field of Electrical Engineering and Computer Science: Energy Efficient SAR ADC with Resolution Enhancement for Sensor Signals	Yamini Krishnan (September, 2020) Thesis in the field of Chemical Engineering: Intra/Extracellular Multi-Drug Delivery for Osteoarthritis	Guang-He Lee Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Building Transparent Models
Beomjoon Kim (September, 2020) Thesis in the field of Computer Science and Engineering submitted to the Department of Electrical Engineering and Computer Science: Representation, Learning, and Planning Algorithms for Guiding Task-and-Motion Planning	Chinmay Sameer Kulkarni (February, 2021) Thesis in the field of Mechanical Engineering and Computation submitted to the Department of Mechanical Engineering: Prediction, Analysis, and Learning of Advective Transport in Dynamic Fluid Flows	HaeYeon Lee Thesis in the field of Materials Science and Engineering: Interface-Governed Optical Properties of Van der Waals Heterostructures
Samuel Sungil Kim Thesis in the field of Electrical Engineering and Computer Science: Computational Methods to Dissect the Genetic Basis of Human Disease		Sang Uk Lee Thesis in the field of Mechanical Engineering: Cognitive Human Activity and Plan Recognition for Human-Robot Collaboration

Yin Jin Lee Thesis in the field of Engineering Systems: Sustainable Agri-Food Supply Chains: Consumer Demand and Company Sourcing Practices	Nian Liu (September, 2020) Thesis in the field of Chemical Engineering: Enhancing CO ₂ Fixation by Synergistic Substrate Cofeeding	Leixin Ma Thesis in the field of Mechanical Engineering: Understanding Flow-Induced Vibration via a Physics-Constrained, Data-Driven Approach
McLain Evan Leonard (February, 2021) Thesis in the field of Chemical Engineering: Engineering Gas Diffusion Electrodes for Electrochemical Carbon Dioxide Upgrading	Tianxiang Liu (September, 2020) Thesis in the field of Chemical Engineering: Colloidal Electronics	Thomas Daniel MacDonald Thesis in the field of Nuclear Science and Engineering: Hide and Seek: Remote Sensing and Strategic Stability
Zheng Li (February, 2021) Thesis in the field of Materials Science and Engineering: Computational Raman Imaging and Thermography	Xiang Liu (February, 2021) Thesis in the field of Quantum Science and Engineering submitted to the Department of Nuclear Science and Engineering: Hamiltonian Engineering for Quantum Sensing and Quantum Simulation	Irina Mahmad Rasid (February, 2021) Thesis in the field of Polymers and Soft Matter submitted to the Department of Materials Science and Engineering: Dynamics of Associative Polymer Networks
Jing Lin (September, 2020) Thesis in the field of Mechanical Engineering and Computation submitted to the Department of Mechanical Engineering: Bayesian Learning for High-Dimensional Nonlinear Dynamical Systems: Methodologies, Numerics and Applications to Fluid Flows	Gabriel Loke Thesis in the field of Materials Science and Engineering: Thermally Drawn Fibers in Three-dimensional Architectures	Maggie Makar Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Machine Learning and Causality: Building Efficient, Reliable Models for Decision-Making
Tzyy-Shyang Lin (February, 2021) Thesis in the field of Chemical Engineering: Towards Quantitatively Predicting the Properties of Gels and Elastomers	Tsung-Ju Jeff Lu (September, 2020) Thesis in the field of Electrical Engineering and Computer Science: Wide-Bandgap Integrated Photonics for Quantum Technologies	Andrew John Maloney Thesis in the field of Chemical Engineering: Case Studies in the Modeling and Control of Continuous Pharmaceutical Manufacturing Processes
Andrea I. Lincoln (September, 2020) Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Applications of Fine-Grained Complexity	Yi Lu (September, 2020) Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Fast Transactions in Distributed and Highly Available Databases	Lucas Manuelli (September, 2020) Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Robotic Manipulation with Learned Representations
Ge Liu (September, 2020) Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Beyond Predictive Modeling: New Computational Aspects for Deep Learning Based Biological Applications	Jayson R. Lynch (September, 2020) Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Generalized Frameworks for Showing Hardness of Motion Planning Problems	Hongzi Mao (September, 2020) Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Network System Optimization with Reinforcement Learning: Methods and Applications
Litian Liu Thesis in the field of Electrical Engineering and Computer Science: Application-Driven Intersections Between Machine Learning and Information Theory	Danhao Ma (September, 2020) Thesis in the field of Materials Science and Engineering: Ge and GeSi Electroabsorption Modulators Array via Strain and Composition Engineering	Janille M. Maragh (February, 2021) Thesis in the field of Civil and Environmental Engineering: A Multiscale Framework for the Chemomechanical Characterization of Ancient Heterogeneous Materials

Nemanja Marjanovic
(February, 2021)
Thesis in the field of Computational and Systems Biology: Application of the Single Cell Genomics in Deciphering Tumor Heterogeneity and Its Role in Tumor Progression and Drug Resistance

Cameron David McBride
Thesis in the field of Mechanical Engineering: Measuring and Analyzing Resource Competition in Genetic Circuits

Patrick Christopher McDaniel
(September, 2020)
Thesis in the field of Electrical Engineering and Computer Science: Computational Design and Fabrication of Portable MRI Systems

Michael Patrick McEldrew
Thesis in the field of Chemical Engineering: Ion Aggregation, Correlated Ion Transport and the Double Layer in Super-Concentrated Electrolytes

Timothy Michael McGrath
(February, 2021)
Thesis in the field of Aeronautics and Astronautics: IMU-Based Estimation of Human Lower Body Kinematics and Applications to Extravehicular Operations

Dylan Mathis McKay
(September, 2020)
Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Intermediate Lower Bounds and Their Relationship with Complexity Theory

Thirimadura Charith Yasendra Mendis
(September, 2020)
Thesis in the field of Electrical Engineering and Computer Science: Towards Automated Construction of Compiler Optimizations

Zhen Meng
(September, 2020)
Thesis in the field of Mechanical Engineering and Computation submitted to the Department of Mechanical Engineering: Modeling of Piston Pin Lubrication in Internal Combustion Engines

Laureen Meroueh
(September, 2020)
Thesis in the field of Mechanical Engineering: Effects of Doping and Microstructural Variables on Hydrogen Generated via Aluminum-Water Reactions Enabled by a Liquid Metal

David Miculescu
(February, 2021)
Thesis in the field of Aeronautics and Astronautics: Tensor-Train-based Algorithms for Swarm State Estimation with a Team of Mobile Sensors

Lauren Elizabeth Milling
Thesis in the field of Biological Engineering: Priming Systemic Anti-Tumor Immunity via *in situ* Immunomodulation of the Tumor Microenvironment

David Miranda Nieves
(September, 2020)
Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Engineering Arterial Substitutes that Recapitulate Vessel Microstructure and Mimic Native Physiological Responses

Hyowon Moon
Thesis in the field of Electrical Engineering and Computer Science: Control of Excitons and Quantum Emitters in Two-Dimensional Materials

Junsang Moon
(February, 2021)
Thesis in the field of Materials Science and Engineering: Design for Selective Remote Control of Cellular Signaling Using Magnetic Nanoparticles

Manuel Antonio Morales
Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Deep Learning Approaches for the Automated Characterization of Cardiac Mechanics

Nader Francis Morshed
(February, 2021)
Thesis in the field of Biological Engineering: Phosphoproteomics Analysis of Alzheimer's Disease

Lukas Murmann
Thesis in the field of Electrical Engineering and Computer Science: Computational Illumination for Portrait Photography and Inverse Graphics

Paul Daniel Myers
(September, 2020)
Thesis in the field of Electrical Engineering and Computer Science: Developing Clinically Useful Risk Stratification Models

Nigamaa Nayakanti
(February, 2021)
Thesis in the field of Mechanical Engineering and Computation submitted to the Department of Mechanical Engineering: Nanostructured Electroadhesive and Electrofrictive Surfaces for Dexterous Grasping and Manipulation

Sabrina M. Neuman
(September, 2020)
Thesis in the field of Electrical Engineering and Computer Science: Domain-Specific Architecture for Robot Dynamics Gradients

Lucas Nissenbaum
(February, 2021)
Thesis in the field of Electrical Engineering and Computer Science: Reduction of Prediction Side-Information for Image and Video Compression

Curtis George Northcutt
Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Confident Learning for Machines and Humans

Kyel Ok
(February, 2021)
Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Abstractions for Model-based Visual Navigation

Max Louis Olander
(February, 2021)
Thesis in the field of Mechanical Engineering: Computational Processing and Modeling of Intravascular Images Precisely Couple Arterial Morphology and Biomechanics

Danielle Marie Olson

Thesis in the field of Electrical Engineering and Computer Science: Social Modeling In Computational Simulations: Racial And Ethnic Representation In Videogames And Virtual Reality Systems

Sirma Orguc

(February, 2021)

Thesis in the field of Electrical Engineering and Computer Science: Programmable Interfaces for Biomedical and Neuroscience Applications

Pablo José Ortiz-Lampier

(February, 2021)

Thesis in the field of Electrical Engineering and Computer Science: Deeper Learning at Scale with Roleplaying Systems

Danielle Frances Pace

(September, 2020)

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Image Segmentation for Highly Variable Anatomy: Applications to Congenital Heart Disease

Sebastian Palacios

Thesis in the field of Computer Science and Engineering submitted to the Department of Electrical Engineering and Computer Science: Artificial Neural Network and Precision Genome Engineering Frameworks for Genetic System Engineering in Mammalian Cells

Edward Lee Pang

Thesis in the field of Materials Science and Engineering: Towards Crack-Resistant Polycrystalline Zirconia Shape-Memory Ceramics with Low Hysteresis

Joon Young Richard Park

Thesis in the field of Materials Science and Engineering: Mechanisms of Metal Penetration in Solid Electrolytes

Vrushank Shripad Phadnis

(September, 2020)

Thesis in the field of Mechanical Engineering: Are Two Heads Better Than One in CAD? A Comparison of Various CAD Working Styles.

Samuel James Prentice IV

(September, 2020)

Thesis in the field of Electrical Engineering and Computer Science: Sigma Shapes: Parametric Shape Estimation for View and Interaction Planning

Elizabeth Yi Qian

(February, 2021)

Thesis in the field of Computational Science and Engineering: A Scientific Machine Learning Approach to Learning Reduced Models for Nonlinear Partial Differential Equations

Qihui Qian

Thesis in the field of Chemical Engineering: Polymer and Metal-Organic Framework Based Mixed-Matrix Membranes for Gas Separations

Yili Qian

(September, 2020)

Thesis in the field of Mechanical Engineering: Systems and Control Theoretic Approaches to Engineer Robust Biological Systems

Krithika Ramchander

Thesis in the field of Mechanical Engineering: Development of Fluidic Systems for Water Filtration and Bio-Separation

Aaron Eduardo Ramirez

(February, 2021)

Thesis in the field of Mechanical Engineering: A Model for the Dig-In Instability in Serial Sectioning and Iterative Orthogonal Cutting

Mike Kavian Ranjram

Thesis in the field of Electrical Engineering and Computer Science: Miniaturizing High Step-Down, High Output Current Power Converters

Benjamin J. Read

Thesis in the field of Health Sciences and Technology submitted to the Harvard-MIT Program in Health Sciences and Technology: Engineering Nanoparticulate Antigens for Enhanced Follicular Accumulation and Immunogenicity

Anya Burkart Roberts

(September, 2020)

Thesis in the field of Biological Engineering: Mechanical and Transcriptional Alterations During Cancer Cell Transendothelial Migration

Ethan Raphael Rosenberg

Thesis in the field of Materials Science and Engineering: Magnetic and Spintronic Properties of Rare-Earth Iron Garnets

Salman Salamatian

(September, 2020)

Thesis in the field of Electrical Engineering and Computer Science: Statistical Privacy and Security

Tedrick Thomas Salim Lew

(September, 2020)

Thesis in the field of Chemical Engineering: Interfacing Living Plants with Nanomaterials for In Planta Sensing and Plant Biotechnology Applications

John Gustaf Wilhelm Samuelsson

Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Computational Methods and Analyses for Assessing Cerebellar Electrophysiology with Magneto- and Electroencephalography

Wilko Schwarting

(February, 2021)

Thesis in the field of Electrical Engineering and Computer Science: Learning and Control for Interactions in Mixed Human-Robot Environments

Natasha Seelam

(February, 2021)

Thesis in the field of Chemical Engineering: Computational Approaches to Understand the Atomistic Drivers of Enzyme Catalysis

Jean Carlos Serrano Flores

Thesis in the field of Mechanical Engineering: On-Chip Engineered Human Lymphatic Microvasculature for Physio-/Pathological Transport Phenomena Studies

Linda Marie Seymour

Thesis in the field of Structures and Materials submitted to the Department of Civil and Environmental Engineering: Toward Antiquity-Inspired Design in Materials and Construction: Insights into the Production and Durability of the Ancient Materials Egyptian Blue and Roman Concrete

Rushina Jaidip Shah

(September, 2020)
Thesis in the field of Mechanical Engineering: Input-Output Biomolecular Systems

Anil Atmanand Shanbhag

(September, 2020)
Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Interactive Data Analytics Using GPUs

Dennis Shen

(September, 2020)
Thesis in the field of Electrical Engineering and Computer Science: Causal Inference: A Tensor's Perspective

Max Walt Shen

Thesis in the field of Computational and Systems Biology: Modeling and Optimizing Structured Biological Systems with Machine Learning

Pin-Chun Shen

(September, 2020)
Thesis in the field of Electrical Engineering and Computer Science: Ohmic Contact to Monolayer Semiconductors

Shen Shen

(September, 2020)
Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Convex Optimization and Machine Learning for Scalable Verification and Control

Benjamin Marc Sherman

(September, 2020)
Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Programming Languages for Sound Computation with Continuous Values

Zhe Shi

Thesis in the field of Materials Science and Engineering: Deep Elastic Strain Engineering of Materials Electronic Properties by Machine Learning

Krishna Shrinivas

(September, 2020)
(See also S.M., Course X-A)
Thesis in the field of Chemical Engineering: Dewdrops on the Genome: Regulation of Gene Expression by Biomolecular Phase Separation

Kien Wei Siah

(February, 2021)
Thesis in the field of Electrical Engineering and Computer Science: Analytics for Accelerating Biomedical Innovation

Jacob Cyert Simon

(February, 2021)
Thesis in the field of Biological Engineering: A Novel Liposomal Contrast Agent Architecture for Molecular fMRI

Philipp Simons

Thesis in the field of Materials Science and Engineering: Nano-Scale Glucose Fuel Cells for Energy Harvesting in the Human Body Based on Proton Conduction in Cerium Oxide

Robin Singh

(February, 2021)
Thesis in the field of Mechanical Engineering: Integrated Bio-Photonic Devices: Sensors, Imagers, and Beyond

Jay D. Sircar

Thesis in the field of Mechanical Engineering: Surface Structure Enhanced Microchannel Flow Boiling of Low Surface Tension Fluids

Wan Yuan Beatrice Soh

(September, 2020)
Thesis in the field of Chemical Engineering: Studying Topologically Complex DNA at the Single-Molecule Level

Julia Alexandrovna Sokol

(September, 2020)
Thesis in the field of Mechanical Engineering: Parametric Design and Performance Validation of Low-Cost, Low-Pressure Drip Emitters and Irrigation Systems

Dogyoон Song

Thesis in the field of Electrical Engineering and Computer Science: Addressing Missing Data and Scalable Optimization for Data-driven Decision Making

Hyun Ho Song

(September, 2020)
Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Probing the Spatiotemporal Dynamics of Cell-Cell Interactions in Engineered Tissues

Jungki Song

(February, 2021)
Thesis in the field of Mechanical Engineering: Metrology and Mechanics for Manufacturing Space-Based X-ray Grating Spectrometers

Caroline Sorensen

Thesis in the field of Mechanical Engineering: Magnetohydrodynamic Heat Transfer for Fusion Energy

Aikaterini Sotiraki

(September, 2020)
Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: New Hardness Results for TFNP and Non-Interactive Protocols

Filippos Edward Sotiropoulos

Thesis in the field of Mechanical Engineering: Methods for Control in Robotic Excavation

Span Spanbauer

(February, 2021)
Thesis in the field of Mechanical Engineering: Computational Tools Towards Automating the Scientific Method

Pierre Sphabmixay

(September, 2020)
Thesis in the field of Mechanical Engineering: Engineering Micro-Perfusible Scaffolds for MesoPhysiological Systems Using Projection Micro-Stereolithography

Daniel Christopher Stack (February, 2021) Thesis in the field of Nuclear Science and Engineering: Development of High-Temperature Firebrick Resistance-Heated Energy Storage (FIRES) Using Doped Ceramic Heating System	Tzu-Chieh Tang (February, 2021) Thesis in the field of Biological Engineering: Towards Engineering Living Functional Materials	Alexandre Tuel (September, 2020) Thesis in the field of Hydrology submitted to the Department of Civil and Environmental Engineering: Precipitation Variability and Change over Morocco and the Mediterranean
Lauren Elizabeth Stopfer Thesis in the field of Biological Engineering: Quantitative Mass Spectrometry-Based Approaches for Characterizing the Immunopeptidome and Tyrosine Phosphoproteome in Cancer	Wenbo Tao Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Democratizing Details-On-Demand Data Visualizations at Scale	Hugo Jake Uvegi (September, 2020) Thesis in the field of Materials Science and Engineering: Aqueous Reactivity of Glassy Industrial Byproducts in Alternative Cementitious Systems
Isabelle Wenting Su Thesis in the field of Structures and Materials submitted to the Department of Civil and Environmental Engineering: Imaging, Mechanics, Construction, and Sonification of Three-Dimensional Spider Webs	Yonatan Tekleab (February, 2021) Thesis in the field of Materials and Structures submitted to the Department of Aeronautics and Astronautics: Design, Characterization, and In Vivo Evaluation of a Magnetorheological Fluid as a Hemostatic Agent	Tal Wagner (September, 2020) Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Efficient Metric Representations for Big Data
Dajiang Suo (February, 2021) Thesis in the field of Mechanical Engineering: Towards Security by Design of Connected and Automated Vehicles: Cyber and Physical Threats, Mitigations, and Architectures	Antonio Terán Espinoza (February, 2021) Thesis in the field of Autonomous Systems submitted to the Department of Aeronautics and Astronautics: Versatile Inference Algorithms Using the Bayes Tree for Robot Navigation	Noel Heng Loon Wan (February, 2021) Thesis in the field of Electrical Engineering and Computer Science: Large-Scale Integrated Quantum Photonics With Artificial Atoms
Hrush Vardhan Sureka (February, 2021) Thesis in the field of Chemical Engineering: Protein Encapsulation in Complex Coacervates and Complex Coacervate Thin Films	Ian Patrick Tracy (February, 2021) Thesis in the field of Mechanical Engineering: Performance Effects and Causal Mechanisms of Mid-Channel Congestion in Diesel Particulate Filters	Alex J-S Wang (September, 2020) Thesis in the field of Biological Engineering: Engineering Physiologically Relevant In Vitro Liver Models for Attenuated Inflammation Response and Vascularized Co-Culture
Mathew M. Swisher (September, 2020) Thesis in the field of Mechanical Engineering and Computation submitted to the Department of Mechanical Engineering: A Molecular Dynamics Study of the Tribological Properties of Diamond Like Carbon	Anne Joyal Pigula Tresansky (September, 2020) Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Statistical Analysis of Ultrasound Signals for Tissue Characterization: The Homodyned K Distribution	Fuyixue Wang Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Spatiotemporal Encoding Methods for Brain Magnetic Resonance Imaging
Rajat Talak (September, 2020) Thesis in the field of Networked Autonomy submitted to the Department of Aeronautics and Astronautics: Information Exchange and Robust Learning Algorithms for Networked Autonomy	Alexander John Triassi (February, 2021) Thesis in the field of Biological Engineering: Synthetic Biology Approaches for Engineering Bacteria as Living Therapeutics	Haozhe Wang (February, 2021) Thesis in the field of Electrical Engineering and Computer Science: Graphene-Metal Interactions beyond Van der Waals Forces
	Uyanga Tsedev Thesis in the field of Biological Engineering: Engineering M13 Bacteriophage Nanoplatforms for Diagnostic and Therapeutic Applications	Xuntuo Nelson Wang (September, 2020) Thesis in the field of Electrical Engineering and Computer Science: Smart Energy Solutions to Smart Grid Challenges

Yongji Wang
(February, 2021)
Thesis in the field of Civil and Environmental Engineering: Fundamentals in Unsteady Fluid Fragmentation from Drop Impact

Zhenshu Wang
(September, 2020)
Thesis in the field of Chemical Engineering: Tuning Geometric and Electronic Structure with Core-shell Platform as Enhanced Catalysts

Quantum J. Wei
Thesis in the field of Mechanical Engineering: Can Batch Reverse Osmosis Make Desalination More Affordable and Sustainable?

James Woodward Weis
(September, 2020)
Thesis in the field of Computational and Systems Biology: Computational Approaches to the Optimization of Scientific Efficiency and Impact

Tsui-Wei Weng
(September, 2020)
Thesis in the field of Electrical Engineering and Computer Science: Evaluating Robustness of Neural Networks

Elise Chantal Wilcox
Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Substratum Interactions Modulate the Interplay between Endothelial Cell Phenotype, Function, and Immune Recognition

Chi Heem Wong
Thesis in the field of Electrical Engineering and Computer Science: Applications of Data Science and Artificial Intelligence to Decision Making in Healthcare and Finance

Andrew Charles Wright
Thesis in the field of Electrical Engineering and Computer Science: Modular SMT-Based Verification of Rule-Based Hardware Designs

Albert Xiuyuan Wu
(See also S.M., Course X-A)
Thesis in the field of Chemical Engineering: Elucidating the Role of Fluorine on Gas Transport Through Fluorinated Polymer Membranes

Fangzhou Xia
(September, 2020)
Thesis in the field of Mechanical Engineering: Design and Control of Versatile High-Speed and Large-Range Atomic Force Microscopes

Sihan Xie
(February, 2021)
Thesis in the field of Materials Science and Engineering: Development of Colloidal Quantum Dot and Lead Halide Perovskite Light Emitting Devices

Tian Xie
(September, 2020)
Thesis in the field of Materials Science and Engineering: Deep Learning Methods for the Design and Understanding of Solid Materials

Keyulu Xu
Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Modeling Intelligence via Graph Neural Networks

Shuotao Xu
Thesis in the field of Electrical Engineering and Computer Science: Computing Big-data Applications Near Flash

Zhi Xu
Thesis in the field of Electrical Engineering and Computer Science: Data Efficient Reinforcement Learning

Jin Xue
(February, 2021)
Thesis in the field of Electrical Engineering and Computer Science: A Small, Bright Silicon Light-Emitting Diode Directly Integrated with Microelectronics

Tien-Ju Yang
(September, 2020)
Thesis in the field of Electrical Engineering and Computer Science: Hardware-Aware Efficient Deep Neural Network Design

Helen Yao
(September, 2020)
Thesis in the field of Chemical Engineering: Driving Forces of Self-Assembly in Protein-Polymer Bioconjugates

Adam B. Yedidia
(September, 2020)
Thesis in the field of Electrical Engineering and Computer Science: Analysis and Optimization of Occluder-Based Imaging

Emma H. Yee
(February, 2021)
Thesis in the field of Chemical Engineering: Paper-based Molecular Technologies for Faster, More Accessible Infectious Disease Diagnostics

Hui Ting Grace Yeo
(September, 2020)
Thesis in the field of Computational and Systems Biology: Computational Methods for Studying Cellular Differentiation Using Single-Cell RNA-Sequencing

Yang Yu
Thesis in the field of Materials Science and Engineering: Understanding and Exploiting Anion Redox Process for High Energy Density Positive Electrode Materials for Li-ion Batteries

Shichao Yue
Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Enabling Contactless Sleep Studies at Home using Wireless Signals

Hyunwoo Yuk
Thesis in the field of Mechanical Engineering: Wet Adhesion and Bioadhesive Technology

Emmanouil Zampetakis
(September, 2020)
Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Statistics in High Dimensions without IID Samples: Truncated Statistics and Minimax Optimization

Guowei Zhang
(February, 2021)
Thesis in the field of Computer Science
submitted to the Department of Electrical
Engineering and Computer Science:
Extending Memory System Semantics to
Accelerate Irregular Applications

Qin Zhang
(September, 2020)
Thesis in the field of Mechanical
Engineering and Computation submitted
to the Department of Mechanical
Engineering: Fast Modeling of Multi-
phase Mixture Transport in Piston/
Ring/Liner System via GAN-Augmented
Progressive Modeling

Yifei Zhang
Thesis in the field of Materials Science
and Engineering: Reconfigurable
Photonics Based on Broadband Low Loss
Optical Phase Change Materials

Yunming Zhang
(September, 2020)
Thesis in the field of Computer Science
submitted to the Department of Electrical
Engineering and Computer Science:
GraphIt: Optimizing the Performance
and Improving the Programmability of
Graph Algorithms

Xueying Zhao
(September, 2020)
Thesis in the field of Materials Science
and Engineering: Germanium-on-
Silicon Virtual Substrate for Lateral
Multijunction Photovoltaics

Sue Zheng
Thesis in the field of Electrical
Engineering and Computer Science:
Accounting for Computational
Expenditures in Bayesian Experimental
Design

Ruihao Zhu
Thesis in the field of Controls and
Statistics submitted to the Department
of Aeronautics and Astronautics:
Data-Driven Operations in Changing
Environments

Emiko Zumbro
(September, 2020)
Thesis in the field of Materials Science
and Engineering: Binding of Multivalent
Polymers

SCHOOL OF HUMANITIES, ARTS, AND SOCIAL SCIENCES, DOCTORAL

Doctor of Philosophy

School of Humanities, Arts, and Social Sciences

Marsin Rahim Alshamary

(September, 2020)

Thesis in the field of Political Science:
Prophets and Priests: Religious Leaders
and Protest in Iraq

Ivan Nikolaev Badinski

(February, 2021)

Thesis in the field of Economics: Essays
on Physician Innovation and Practice
Style in Healthcare Markets

David Alexander Balcarras

(September, 2020)

Thesis in the field of Philosophy
submitted to the Department of
Linguistics and Philosophy: On What
Language Is

Nathaniel Jacob Baron-Schmitt

(September, 2020)

Thesis in the field of Philosophy
submitted to the Department of
Linguistics and Philosophy: Doing: An
Essay on Causation, Events, and Action
in the Most General Sense

Aicha Lucie Ben Dhia

(September, 2020)

Thesis in the field of Economics: Essays
on Job Search Assistance and Job Training

Joshua James Bosshardt

Thesis in the field of Economics: Essays
on Macroeconomics and Banking

Tugba Bozcaga

(September, 2020)

Thesis in the field of Political Science:
Essays on the Political Economy of
Service Protection

Thomas James Bernard Byrne

Thesis in the field of Philosophy
submitted to the Department of
Linguistics and Philosophy: Making
Ethics

Benjamin Angel Chang

Thesis in the field of Political Science:
Artificial Intelligence and the US-China
Balance of Power

Jesse Tyler Clark

Thesis in the field of Political Science:
Essays on Electoral System Change in the
United States

Colin Pierce Bryon Davis

(September, 2020)

Thesis in the field of Linguistics
submitted to the Department of
Linguistics and Philosophy: The Linear
Limitations of Syntactic Derivations

Benjamin Deane

Thesis in the field of Economics and
Statistics: Essays in Econometrics:
Nonparametrics and Robustness

Nicolas Kasem Dumas

(September, 2020)

Thesis in the field of Political Science:
Protest without Repression: How
Changes in Protest Policing Changed
Activism in the US

Mayara Priscila Felix Silva

Thesis in the field of Economics: Essays
on The Effects of Public Policy

Michele Fornino

Thesis in the field of Economics: Essays
in Macroeconomics

Juliette Lou Marine Fournier

Thesis in the field of Economics: Essays
on Spatial Labor Markets and Public
Policies

Masao Fukui

Thesis in the field of Economics: Essays
on Macroeconomics and International
Trade

Mayumi Fukushima

(September, 2020)

Thesis in the field of Political Science:
Exploitative Friendships: Manipulating
Asymmetric Alliances

Chishio Furukawa

(September, 2020)

Thesis in the field of Economics: Three
Essay in Economics

Samuel Isaac Grondahl

(September, 2020)

Thesis in the field of Economics: Essays
in Industrial Organization

Jerome Hodges IV

(September, 2020)

Thesis in the field of Philosophy
submitted to the Department of
Linguistics and Philosophy: Consent and
Concepts

Allan J. Hsiao

Thesis in the field of Economics: Essays
in Environmental and Development
Economics

Clemence Marie Idoux

Thesis in the field of Economics: Essays
in Economics of Education

Ali Kakhbod

Thesis in the field of Economics: Essays
in Financial Economics

Ömer Karaduman

(September, 2020)

Thesis in the field of Economics and
Statistics: Essays on Electricity and
Matching Markets

Layne David Kirshon

(September, 2020)

Thesis in the field of Economics: Essays
on the Term Structure of Equity Returns

Allison Robbins Koslow

(September, 2020)

Thesis in the field of Philosophy
submitted to the Department of
Linguistics and Philosophy: Meaning
Change, in Theory and in Practice

Kevin Kainan Li

(February, 2021)

Thesis in the field of Economics: Essays
in Econometrics and Economic Theory

Nina Katherine Siegel McMurry

(September, 2020)

Thesis in the field of Political Science:
From Recognition to Representation:
Collective Recognition and Democratic
Citizenship in the Philippines

Kacie Kieko Miura

(September, 2020)

Thesis in the field of Political Science: Commerce and Coercion in Contemporary China: Local Leader Responses to Foreign Policy Crises

Rachel Esplin Odell

(September, 2020)

Thesis in the field of Political Science: Mare Interpretatum: Continuity and Evolution in States' Interpretations of the Law of the Sea

Erin Katherine Olson

(September, 2020)

Thesis in the field of Linguistics submitted to the Department of Linguistics and Philosophy: Loanwords and the Perceptual Map: A Perspective from MaxEnt Learning

Alexander Lee Olszen

(February, 2021)

Thesis in the field of Economics: Essays on Industrial Organization and Health Care Markets

Ali Fakhruddin Palida

(September, 2020)

Thesis in the field of Economics: Channels of Communication in Organizations

Mikel Petri Castro

(September, 2020)

Thesis in the field of Economics: Essays on Nominal Rigidities, Bounded Rationality, and Macroeconomic Policy

Anton Popov

(September, 2020)

Thesis in the field of Economics: Essays on Industrial Organization and Urban Economics

Carolyn Rose Spadine

(September, 2020)

Thesis in the field of Linguistics submitted to the Department of Linguistics and Philosophy: The Structure of Attitude Reports: Representing Context in Grammar

Erik Lee Stayton

(September, 2020)

Thesis in the field of History, Anthropology, and Science, Technology, and Society submitted to the Program in Science, Technology, and Society: Humanizing Autonomy: Social Scientists' and Engineers' Futures for Robotic Cars

Carolyn Sarah Maasland Stein

Thesis in the field of Economics: Essays on the Economics of Science and Innovation

Abdul-Razak Sulemana

Thesis in the field of Linguistics submitted to the Department of Linguistics and Philosophy: Non-Finite Complementation: A Case Study of Bùlì

Liyang Sun

Thesis in the field of Economics and Statistics: Essays in Econometrics and Public Finance

Claire Isabel Webb

(September, 2020)

Thesis in the field of History, Anthropology, and Science, Technology, and Society submitted to the Program in Science, Technology, and Society: Technologies of Perception: Searches for Life and Intelligence Beyond Earth

SLOAN SCHOOL OF MANAGEMENT, DOCTORAL

Doctor of Philosophy

Sloan School of Management

Jonathan Zalman Aron Yaich Amar

(February, 2021)

Thesis in the field of Operations

Research: Algorithmic Advancements in the Practice of Revenue Management

Philip Samuel Chodrow

(September, 2020)

Thesis in the field of Operations

Research: Structure, Dynamics, and Inference in Networks

Tamar Cohen-Hillel

(September, 2020)

Thesis in the field of Operations

Research: Past Price and Trend Effects in Promotion Planning; from Prediction to Prescription

Vanessa Mariangela Conzon

Thesis in the field of Management: Essays on Professionals' Temporal Autonomy

Arthur J. Delarue

Thesis in the field of Operations

Research: Optimizing School Operations

Zaki Dernaoui

Thesis in the field of Management: Essays in Corporate Finance

Leonardo A. Elias

Thesis in the field of Management: Essays in Financial Economics

Thomas Henry Ernst

(September, 2020)

Thesis in the field of Management: Essays in Financial Economics

Peter G. Hansen

Thesis in the field of Management: Essays in Financial Economics

MohammadMahdi Hashemian

(September, 2020)

Thesis in the field of Management: Essays on the Counter-Intuitive Consequences of Labor Policies in Service Industries

David Michael Holtz

Thesis in the field of Management: Essays on the Design of Online Marketplaces and Platforms

James P. Houghton

(September, 2020)

Thesis in the field of Management: Interdependent Diffusion: The Social Contagion of Interacting Beliefs

Summer Rachel Maria Jackson

Thesis in the field of Management: Diversity Today: Essays on Inequality in the Modern Workplace

Nihal Koduri

Thesis in the field of Operations

Research: Essays on Decision Making Under Uncertainty

Jourdain Lamperski

(September, 2020)

Thesis in the field of Operations

Research: Structural and Algorithmic Aspects of Linear Inequality Systems

Tianyi Li

Thesis in the field of Management: Techniques for Simulation Studies in Social Science System Modeling: Parameter Estimation, Strategic Calibration and Structure Verification

Tse Yang Lim

Thesis in the field of Management: Prevention & Reduction of Opioid Misuse with Systems Exploration: Modelling Complex, Uncertain Problems for Policy Development

Fernando Miguel Pinto Martins

(September, 2020)

Thesis in the field of Management: Essays in Financial Economics

Jenna Elizabeth Myers

Thesis in the field of Management: Talking Shop: Worker Voice and Representation in the Digital Age

Agni Orfanoudaki

Thesis in the field of Operations

Research: Novel Machine Learning Algorithms for Personalized Medicine & Insurance

Georg Alexander Rickmann

(September, 2020)

Thesis in the field of Management: The Effect of Market Transparency on Corporate Disclosure

Divya Singhvi

(September, 2020)

Thesis in the field of Operations Research: Data Driven Decision Making in Online and Offline Retail

Somya Singhvi

(September, 2020)

Thesis in the field of Operations Research: Improving Farmers' and Consumers' Welfare in Agricultural Supply Chains via Data-driven Analytics & Modeling: From Theory to Practice

Deeksha Sinha

(February, 2021)

Thesis in the field of Operations Research: Optimization for Online Platforms

Li Wang

(September, 2020)

Thesis in the field of Operations Research: Online and Offline Learning in Operations

Hee Jin Yang

Thesis in the field of Management: Press '1' to Speak to a Machine: An Examination of the Psychological Factors Influencing Preference for Interaction with Artificially Intelligent Actors

Zhen Yang

Thesis in the field of Management: Learning to Design, Deliver, and Diffuse Interventions

Shuyi Yu

Thesis in the field of Management: Digital Technologies, Customer Experience, and Decisions

Kevin Zhang

(September, 2020)

Thesis in the field of Operations Research: Real-Time Calibration of Large-Scale Traffic Simulators: Achieving Efficiency Through the Use of Analytical Models

Michael Feifan Zhao
(September, 2020)
Thesis in the field of Management:
Essays on Spillover Effects in the Digital
Economy

SCHOOL OF SCIENCE, DOCTORAL

Doctor of Philosophy

School of Science

Tristan Hayward Abbott

Thesis in the field of Atmospheric Science submitted to the Department of Earth, Atmospheric, and Planetary Sciences: Interactions Between Atmospheric Deep Convection and the Surrounding Environment

Daniel Robert Abercrombie

Thesis in the field of Physics: Measurement of $H \rightarrow b \bar{b}$ in Associated Production with the CMS Detector

Nilin Abrahamsen

Thesis in the field of Mathematics: Improved Tools for Local Hamiltonians

Odin Brautigam Achorn

(September, 2020)
Thesis in the field of Chemistry submitted to the Department of Chemistry: Synthesis of Quantum Dots and Polymers for Luminescent Solar Concentrators

Charles Henry Pine Adelmann

Thesis in the field of Biology: New Tools for the Discovery of Pigment Gene Function

Kelsey Rebecca Allen

Thesis in the field of Cognitive Science submitted to the Department of Brain and Cognitive Sciences: Learning to Act with Objects, Relations and Physics

Josimar Alves da Silva Junior

(September, 2020)
Thesis in the field of Geophysics submitted to the Department of Earth, Atmospheric, and Planetary Sciences: Multiphase Flow and Fault Poromechanics: Understanding Earthquake Triggering and Seismic Hazard

Audra Leigh Amasino

(September, 2020)
Thesis in the field of Biology: Keep The ORCs at Bay: How Eukaryotic Cells Ensure One Round of DNA Replication Per Cell Cycle

James Owen Andrews

(February, 2021)
Thesis in the field of Physics: Illuminating Biomolecular Clustering and Condensation in Living Cells Using Super-Resolution Microscopy

Alexandru Bacanu

(February, 2021)
Thesis in the field of Physics: Statistical Inference of Nonequilibrium Processes in Biological Systems

Alexey Balitskiy

Thesis in the field of Mathematics: Bounds on Urysohn Width

Daniel Paul Banks

Thesis in the field of Chemistry submitted to the Department of Chemistry: Advances in Instrumentation for Dynamic Nuclear Polarization & Magic-Angle Spinning NMR

Scarlett Jazmine Barker

(February, 2021)
Thesis in the field of Neuroscience submitted to the Department of Brain and Cognitive Sciences: Cognitive Resilience is Mediated by the MEF2 Network in Mice and Humans

Lou Beaulieu-Laroche

(February, 2021)
Thesis in the field of Neuroscience submitted to the Department of Brain and Cognitive Sciences: Dendritic Biophysics and Evolution

Aleksandr Berdnikov

Thesis in the field of Mathematics: Lipschitz Homotopies of Mappings from S^3 to S^2

Ran Bi

(September, 2020)
Thesis in the field of Physics: Soft and Hard Probes of the Quark-Gluon Plasma

Thomas Julian Boettcher

(February, 2021)
Thesis in the field of Physics: The LHCb GPU High Level Trigger and Measurements of Neutral Pion and Photon Production with the LHCb Detector

Jasmine Therese Brewer

(September, 2020)
Thesis in the field of Physics: Theory and Phenomenology of Heavy-Ion Collisions

Marjorie Dianne Cantine

Thesis in the field of Geology submitted to the Department of Earth, Atmospheric, and Planetary Sciences: Time and Process in Sedimentary Rocks at the Dawn of Animal Life

Sergio Hiram Cantú

(February, 2021)
Thesis in the field of Physics: Photon-Photon Interactions Mediated by Rydberg Polaritons

Bernardo Cervantes

(September, 2020)
Thesis in the field of Microbiology submitted to the Department of Biology: Tool Development for the Rapid Identification of Microbiome Manipulating Agents

Chia-Jung Chang

Thesis in the field of Computational Neuroscience submitted to the Department of Brain and Cognitive Sciences: Optimizing Sensorimotor Behaviors Through Information Integration and Mental Simulation

Kenny Chen

(September, 2020)
Thesis in the field of Chemistry submitted to the Department of Chemistry: The Role of XBP1s in the Unfolded Protein Response and N-Linked Glycosylation

Yongyi Chen

Thesis in the field of Mathematics: Self-Intersection of Manin-Drinfeld Cycles and Taylor Expansion of L-Functions

Anirudh Chiti

Thesis in the field of Physics: Mapping the Ancient Milky Way and its Relic Dwarf Galaxies

Woo Chang Chung

Thesis in the field of Physics: Quantum Simulation of Spin-1 Physics with Bosons in Optical Lattice

Julien Edward Clancy
Thesis in the field of Mathematics:
Interpolating Spline Curves of Measures

Gregory Thomas Cleveland
Thesis in the field of Chemistry
submitted to the Department of
Chemistry: Driving Novel Reactivity
by Decoding the Electronic Structure of
Nontrigonal Phosphorus Triamides

Kendall Janine Condon
Thesis in the field of Cell Biology
submitted to the Department of Biology:
A Systematic Approach for Cataloging
mTORC1 Regulators

Lorraine De Jesús-Kim
(February, 2021)
Thesis in the field of Biochemistry
submitted to the Department of
Biology: Single-Molecule Studies of
the Mechanism of Eukaryotic Helicase
Activation

Olukunle Oluseyi Demuren
(September, 2020)
Thesis in the field of Biology: Molecular
Mediators of Cardiac-Specific Enhancer
Activation

Roger Christopher Diehl
(February, 2021)
Thesis in the field of Chemistry
submitted to the Department of
Chemistry: CH- π Interactions Play a
Central Role in Protein Recognition of
Carbohydrates

Jesús M. Dones-Monroig
Thesis in the field of Chemistry
submitted to the Department of
Chemistry: Damaged Collagen Detection
and A Novel Approach to 1,3-Dipolar
Cycloaddition Selectivity: Research at the
Interface of Chemistry and Biology

Krysta Alanna Dummit
(September, 2020)
Thesis in the field of Chemistry submitted
to the Department of Chemistry: Studies
in Duality: Discovering a Dual-Catalytic
Amination Reaction and Investigating
the Origin of Biphilicity in Phosphacycles

Robin Augustine Raphael Elliott
Thesis in the field of Mathematics:
Quantitative Topology of Loop Space

Kevin M. Ellis
(September, 2020)
Thesis in the field of Cognitive Science
submitted to the Department of Brain
and Cognitive Sciences: Algorithms for
Learning to Induce Programs

Casper Nørskov Enghaus
Thesis in the field of Biology: Tools
for Engineering Multicellular Systems
Through Cell Sorting and Cell State
Detection

Christopher Terry Fincher
(September, 2020)
Thesis in the field of Biology:
Comprehensive Single-Cell
Transcriptional Profiling of the
Regenerative Planarian *Schmidtea*
mediterranea

Jesse Benjamin Freeman
Thesis in the field of Mathematics: The
Surgery Exact Triangle in Monopole Floer
Homology with Z[i] Coefficients

Christian Gaetz
Thesis in the field of Mathematics: New
Combinatorics of the Weak and Strong
Bruhat Orders

Alethe Gaillard de Saint Germain
(September, 2020)
Thesis in the field of Chemistry
submitted to the Department of
Chemistry: Single-Cell Technology
Developments: From 3' Barcoding to
Recording Historical Metadata through
Endothelial Cells Differentiation

Frank Yi Gao
Thesis in the field of Chemistry
submitted to the Department of
Chemistry: Photoinduced Dynamics
Studied using Single-Shot Optical and
Terahertz Spectroscopy

Martin D. Gelenter
Thesis in the field of Chemistry
submitted to the Department of
Chemistry: Development and
Application of Solid-State NMR Methods
for Investigating Protein Structure and
Dynamics

Charles Garrison Gertler
(September, 2020)
Thesis in the field of Climate Physics and
Chemistry submitted to the Department
of Earth, Atmospheric, and Planetary
Sciences: On Extratropical Storminess
and Climate: Anthropogenic Warming,
Potential Interventions, and Advances
in Theory of Mean Available Potential
Energy

James Connor Gilhula
Thesis in the field of Chemistry
submitted to the Department of
Chemistry: Polarity Inversion in Silicon
and Phosphorus Compounds

Jacob Mitchell Gold
(February, 2021)
Thesis in the field of Mathematics:
Organizing Principles of a Many-Bodied
Driven System

Peter James Haine
Thesis in the field of Mathematics: On the
Homotopy Theory of Stratified Spaces

Mark Michael Harden, Jr.
(February, 2021)
Thesis in the field of Biology: Interactions
between an Integrative and Conjugative
Element and Its Bacterial Host

James Hirst
(September, 2020)
Thesis in the field of Mathematics:
Coupling Sparse Models and Dense
Extremal Problems

Jordan Sun Ho
(September, 2020)
Thesis in the field of Chemistry
submitted to the Department of
Chemistry: Squaric Esters Applications as
Novel Lysine Electrophiles in Molecular
Probe Design

Rebecca Lynn Holden
(September, 2020)
Thesis in the field of Chemistry
submitted to the Department of
Chemistry: Addressing Delivery and
Synthesis Challenges for Peptide-Based
Cancer Vaccines

Sungjoon Hong
(February, 2021)
Thesis in the field of Physics: Topological
and Collective Phenomena in Quantum
Many-Body Systems

Gladia C. Hotan
(September, 2020)
Thesis in the field of Neuroscience submitted to the Department of Brain and Cognitive Sciences: State-Space Modeling and Electroencephalogram Source Localization of Slow Oscillations with Applications to the Study of General Anesthesia, Sedation and Sleep

Alexander William Hull
(September, 2020)
Thesis in the field of Chemistry submitted to the Department of Chemistry: Collisional Transfer between Excited Electronic States as a Mechanism for Sulfur Mass-Independent Fractionation

Christine Rose Isabella
(February, 2021)
Thesis in the field of Chemistry submitted to the Department of Chemistry: Carbohydrate and Bacterial Binding Specificity of Human Intelectin-1

Nikola A. Ivica
Thesis in the field of Biology: MFSD7C: A Solute Carrier Linking Heme and Calcium in Mitochondrial Energy Metabolism

Emily Katherine Jackson
Thesis in the field of Biology: Evolution of Large Palindromes on the Primate X Chromosome

Joseph R. Jacobowitz
(September, 2020)
Thesis in the field of Biology: Reverse Genetic Approaches Reveal Gene Redundancy in *Arabidopsis* Anthers

Wenjie Ji
(September, 2020)
Thesis in the field of Physics: Anomalies and Symmetries on the Boundary of Topological Ordered Phases

Joseph Patrick Johnston
Thesis in the field of Physics: Applications of Low Temperature Bolometers to Reactor Neutrinos and Neutrinoless Double Beta Decay

Daniil Kalinov
Thesis in the field of Mathematics: Construction of Deligne Categories through Ultrafilters and Its Applications

Corey Jarin Kaminsky
(February, 2021)
Thesis in the field of Chemistry submitted to the Department of Chemistry: Environmental Tuning of the Reactivity of Molecules Confined to Polarized Interfaces

Gurtej S. Kanwar
Thesis in the field of Physics: Machine Learning and Variational Algorithms for Lattice Field Theory

Henry Ralph Kilgore
(September, 2020)
Thesis in the field of Chemistry submitted to the Department of Chemistry: Physical Consequences of Natural and Synthetic Post-Translational Modifications

Ryan Philip King
Thesis in the field of Chemistry submitted to the Department of Chemistry: Design of New, More Stable, Precursors to Organopalladium(II) Complexes and Methods for the Palladium-Mediated Late-Stage Diversification of Pharmaceuticals

Dahlia Rivka Klein
Thesis in the field of Physics: Magnetism in Two-Dimensional van der Waals Materials

Frederic Koehler
Thesis in the field of Mathematics and Statistics submitted to the Department of Mathematics: Provable Algorithms for Learning and Variational Inference in Undirected Graphical Models

Patrick Theodore Komiske III
Thesis in the field of Physics: Machine Learning for High-Energy Collider Physics

Austin Grant Kruger
(September, 2020)
Thesis in the field of Chemistry submitted to the Department of Chemistry: Polymers to Modulate Host-Microbe Interactions

Hyuk Jun Kweon
Thesis in the field of Mathematics: Bounds on the Torsion Subgroups of Néron-Severi Group

Rolando Luis La Placa Massa
Thesis in the field of Physics: Cryptographic Simulation Techniques with Applications to Quantum Zero-Knowledge and Copy-Protection

Laurens Johannes Lambert
(September, 2020)
Thesis in the field of Biology: Development and Characterization of Immunogenic Genetically Engineered Mouse Models of Pancreatic Cancer

Timothy Michael James Large
Thesis in the field of Mathematics: Spectral Fukaya Categories of Liouville Manifolds

Charles Han Li
(February, 2021)
Thesis in the field of Biology: Genome Organization in Transcriptional Regulation

Yau Wing Li
Thesis in the field of Mathematics: Endoscopy for Affine Hecke Categories

Zhaoli Li
(February, 2021)
Thesis in the field of Biochemistry submitted to the Department of Biology: Bioenergetics and Metabolism of Eukaryotic Cell Proliferation

Zhulin Li
Thesis in the field of Mathematics: Unstable Modules with Only the Top k Steenrod Operations

Rosary Yuting Lim
(September, 2020)
Thesis in the field of Neuroscience submitted to the Department of Brain and Cognitive Sciences: Hippocampal Microcircuits for Social Memory Specification

Thuy-Lan Vo Lite
(September, 2020)
Thesis in the field of Biology: The Genetic Landscape of Protein-Protein Interaction Specificity

Yunpeng Liu
(February, 2021)
Thesis in the field of Computational and Systems Biology submitted to the Department of Biology: Integrative Multi-Omics Dissection of Cancer Cell States and Susceptibility

Alexander Robert Loftis
(September, 2020)
Thesis in the field of Chemistry submitted to the Department of Chemistry: Re-Targeting of Anthrax Toxin Binding for Immunomodulation and Targeted Cancer Therapy

Nolan Kenji Kwaisun Maier
(February, 2021)
Thesis in the field of Cell Biology submitted to the Department of Biology: Separase Cleaves the Kinetochore Protein Meikin to Direct the Meiosis I/II Transition

Aaron John Mallek
Thesis in the field of Chemistry submitted to the Department of Chemistry: Organometallic Palladium Reagents for Polypeptide Bioconjugation and Macrocyclization

Venkata Shiva Mandala
(February, 2021)
Thesis in the field of Chemistry submitted to the Department of Chemistry: Structure and Dynamics of Influenza M2 Proton Channels from Solid-State NMR

Dmitro Jaroslaw Martynowych
(February, 2021)
Thesis in the field of Chemistry submitted to the Department of Chemistry: Materials in Extreme Conditions: Experimental Developments and Studies of Systems Far From Equilibrium

Sean Edward McGahey
(February, 2021)
Thesis in the field of Biology: Understanding microRNA Targeting with High-Throughput Biochemistry

Catherine Patricia McGeough
Thesis in the field of Chemistry submitted to the Department of Chemistry: Catalysis, Synthesis, and Materials in Support of Chemical Understanding and Global Health

Jonathan Francis Melville
Thesis in the field of Chemistry submitted to the Department of Chemistry: Towards Sustainable Electrosynthesis of Industrially Valuable Small Molecules

Eric Mario Metodiev
(September, 2020)
Thesis in the field of Physics: Energy Flow in Particle Collisions

Hans Emil Oscar Mickelin
Thesis in the field of Mathematics: Themes in Numerical Tensor Calculus

Kevin Joseph Montes
Thesis in the field of Physics: Interpretable Machine Learning for Prediction and Avoidance of Disruptions in Tokamak Plasmas

Hye Won Moon
Thesis in the field of Chemistry submitted to the Department of Chemistry: Expanding Deoxygenative Transformations of Alcohols by Phosphorus Compounds through Geometric Deformation

Jarrett S. Moon
(September, 2020)
Thesis in the field of Physics: Using Deep Learning to Search for the MiniBooNE Low Energy Excess in MicroBooNE With $>3\sigma$ Sensitivity

Summer Ashlee Morrill
(September, 2020)
Thesis in the field of Biology: The Persistence of Haploinsufficiency and Its Role in Genome Evolution

Marjon H. Moulae
Thesis in the field of Physics: Light, Unstable Sterile Neutrinos: Phenomenology, a Search in the IceCube Experiment, and a Global Picture

Helen Sophia Mueller
Thesis in the field of Biology: Mechanisms and Consequences of Resistance to PRMT5 Inhibition

John Christopher Napp
Thesis in the field of Physics: On Near-Term Quantum Computation: Theoretical Aspects of Variational Quantum Algorithms and Quantum Computational Supremacy

Santiago Jose Naranjo
(September, 2020)
Thesis in the field of Biology: An Organoid Platform to Study Alveolar Stem Cells in Lung Generation and Cancer

Zachary Paul Nelson
Thesis in the field of Chemistry submitted to the Department of Chemistry: The Design and Synthesis of Organic Chromophores for Faraday Rotation and Photoluminescence

Jose Miguel Orozco
(February, 2021)
Thesis in the field of Biology: Signal Transduction in Human Cells by Metabolites Derived from Methionine and Glucose

Hamed Pakatchi Shotorbannejad
Thesis in the field of Physics: Interplay between FQH Ground States, Regular Graphs, Binary Invariants, and $Z_k(r)$ -Algebras

Darren John Parker
(September, 2020)
Thesis in the field of Biology: Characterizing the Landscape of Aminoacyl-tRNA Synthetase Protein Production in Bacillus Subtilis

Vishal Prakash Patil
Thesis in the field of Mathematics: Geometry, Topology and Mechanics of Twisted Elastic Fibers

James Francis Pelletier
(September, 2020)
Thesis in the field of Physics: Mechanical Integration Between Cellular Components during Cytokinesis

Anna Ponomarenko
(September, 2020)
Thesis in the field of Chemistry submitted to the Department of Chemistry: The Host Heat Shock Response, Viral Immune Escape and Viral Replication

Anthony James Quartararo
(September, 2020)
Thesis in the field of Chemistry submitted to the Department of Chemistry: De Novo Discovery of Synthetic Peptide Binders to Protein-Protein Interfaces

Azucena Ramos (September, 2020) Thesis in the field of Genetics submitted to the Department of Biology: Mapping the Therapy Resistance Landscapes of Acute Leukemias Using <i>in vivo</i> Functional Genomics	Timothy Scott Sinclair (February, 2021) Thesis in the field of Chemistry submitted to the Department of Chemistry: Capture and Control of Excitations	Melis Tekant Thesis in the field of Physics: Mechanochemical Pattern Formation in the Cellular Actomyosin Cortex
Jeemin Hannah Rhim (September, 2020) Thesis in the field of Geobiology submitted to the Department of Earth, Atmospheric, and Planetary Sciences: Experimental Investigations of Isotopologue Fractionation During Microbial Methanogenesis	Minjung Son (September, 2020) Thesis in the field of Chemistry submitted to the Department of Chemistry: Ultrafast Carotenoid-Mediated Dynamics in the Light-Harvesting Complex of Green Plants	Elizabeth Ann Tolman (September, 2020) Thesis in the field of Physics: H-Mode Confinement and Alpha-Driven Alfvén Eigenmodes in High Field Tokamaks
Raphaël Rousseau-Rizzi Thesis in the field of Atmospheric Science submitted to the Department of Earth, Atmospheric, and Planetary Sciences: On the Climate Variability of Tropical Cyclone Potential Intensity and Atlantic Hurricane Activity	Boya Song Thesis in the field of Mathematics: Computational Modeling of Bacterial Biofilms	Furkan Top (September, 2020) Thesis in the field of Physics: P-Wave Collisions in Ultracold Fermions
Joshua Stewart Rule (September, 2020) Thesis in the field of Cognitive Science submitted to the Department of Brain and Cognitive Sciences: The Child as Hacker: Building More Human-like Models of Learning	Ryan Timothy Stott (February, 2021) Thesis in the field of Neurobiology submitted to the Department of Biology: Profiling Hotspots of DNA Breaks and Learning-Induced Gene Expression in the Mouse Brain	Erica Yuh-Ting Tsai Thesis in the field of Chemistry submitted to the Department of Chemistry: Copper(I) Hydride-Catalyzed Transformations of π -Electrophiles
Thanasak Sathitwitayakul (February, 2021) Thesis in the field of Chemistry submitted to the Department of Chemistry: Interactions of Kr(F ₂), O ₂ , and (O ₂) ₂ with Si(100)	Yuchen Sun Thesis in the field of Chemistry submitted to the Department of Chemistry: High-Velocity Microparticle Impact for Analytical Modelling of High-Strain-Rate Mechanics and Material Behavior	Andrew Patrick Turner (September, 2020) Thesis in the field of Physics: Aspects of Matter in Theories of Quantum Gravity
Andrew Senger Thesis in the field of Mathematics: Multiplicative Structures on Brown-Peterson Spectra at Odd Primes	Piotr Suwara (September, 2020) Thesis in the field of Mathematics: Semi-Infinite Homology of Floer Spaces	Paxton Mark Turner Thesis in the field of Mathematics: Combinatorial Methods in Statistics
Jiaojian Shi Thesis in the field of Chemistry submitted to the Department of Chemistry: Strong-Field Phenomena in Low-Dimensional Materials at Terahertz Frequencies	Ryuji Takagi (September, 2020) Thesis in the field of Physics: Operational Quantum Resource Theories: Unified Framework and Applications	Gherardo Vita (September, 2020) Thesis in the field of Physics: QCD Beyond Leading Power
Rebecca Estelle Silberman (February, 2021) Thesis in the field of Biology: Defining the Role of Aneuploidy Throughout Tumorigenesis	Tzer Han Tan (September, 2020) Thesis in the field of Physics: Symmetry, Topology and Geometry of Biological Active Matter	Benjamin X. Wang (February, 2021) Thesis in the field of Microbiology submitted to the Department of Biology: Investigation of Two-Component Signaling Systems in <i>Pseudomonas aeruginosa</i> and their Roles in the Mucus Barrier
	Kaya Tatar (September, 2020) Thesis in the field of Physics: Direct Measurements of Parton Shower Modification in Hot QCD Medium Using Vector Boson-Tagged Jets	Donghao Wang Thesis in the field of Mathematics: Monopoles and Landau-Ginzburg Models
		Constantin Niko Weisser Thesis in the field of Physics, Statistics, and Data Science submitted to the Department of Physics: Search for Dark Photons at LHCb and Machine Learning in Particle Physics

Kelsey Morgan Wheeler

(February, 2021)

Thesis in the field of Microbiology
submitted to the Department of Biology:
The Influence of Mucin Glycans on
Microbial Virulence and Competition

Catherine Anne Wilka

Thesis in the field of Climate Physics and
Chemistry submitted to the Department
of Earth, Atmospheric, and Planetary
Sciences: Ozone Chemistry in the Lower
Stratosphere: Drivers, Trends, and
Impacts

Martin Johann Wolf

(September, 2020)

Thesis in the field of Climate Science
submitted to the Department of Earth,
Atmospheric, and Planetary Sciences:
Investigating Ice Nucleation by Organic
Aerosol

Chih-Liang Wu

Thesis in the field of Physics: Probes of
Dark Matter from the Universe's Past and
Present

You-Chi Wu

Thesis in the field of Chemistry
submitted to the Department of
Chemistry: Functional Polymer Materials:
From Iptycenes to Ring-Opening
Polymerizations

Yunjie Yang

Thesis in the field of Physics:
Commissioning the DIRC Detector and
Searching for Axion-like Particles at
GlueX

Linda Ye

(September, 2020)

Thesis in the field of Physics: Topology
and Correlation in Kagome Lattice Metals

Haocun Yu

(September, 2020)

Thesis in the field of Physics: Quantum
Correlations in LIGO

Cassandra Aileen Zentner

(September, 2020)

Thesis in the field of Chemistry
submitted to the Department of
Chemistry: The Control of Complex
Double Emulsions Through Reactive
Interfaces

Meilin Zhan

(September, 2020)

Thesis in the field of Cognitive Science
submitted to the Department of Brain
and Cognitive Sciences: Investigating
Theories of Speaker Choice in a Classifier
Language

Zhuchang Zhan

(February, 2021)

Thesis in the field of Planetary Sciences
submitted to the Department of Earth,
Atmospheric, and Planetary Sciences:
Expanding Biosignature Gas Candidates
and Detection Possibilities on Habitable
Exoplanet Atmospheres

Chengzhao Zhang

Thesis in the field of Mathematics:
Analytic Solutions to the Laplace,
Poisson, and Biharmonic Equations
with Internal Boundaries: Theory and
Application to Microfluidic Dynamics

Yu Zhao

Thesis in the field of Mathematics:
K-theoretic Hall Algebra on Surfaces and
Categorifications

Yujing Zhou

(February, 2021)

Thesis in the field of Chemistry
submitted to the Department of
Chemistry: Development and
Applications of Copper(I) Hydride
Catalysis in Asymmetric Reactions and
Heterocycle Synthesis

Guo Zong

(September, 2020)

Thesis in the field of Physics: Emergent
States in Photoinduced Charge-Density-
Wave Transitions

Kristin Leigh Zuromski

Thesis in the field of Chemistry
submitted to the Department of
Chemistry: Communication &
Coordination between Components of
the ClpAP Degradation Machine

AWARDED JOINTLY WITH THE WOODS HOLE OCEANOGRAPHIC INSTITUTION, DOCTORAL

Doctor of Philosophy

Marianne Acker

Thesis in the field of Chemical Oceanography submitted to the Department of Earth, Atmospheric, and Planetary Sciences: Phosphonate Biogeochemical Cycling in the Marine Environment: From an Ocean Scale to a Molecular Scale

Kevin Matthew Archibald

(February, 2021)
Thesis in the field of Biological Oceanography submitted to the Department of Earth, Atmospheric, and Planetary Sciences: The Role of Zooplankton in Regulating Carbon Export and Phytoplankton Community Structure: Integrating Models and Observations

Rui Chen

Thesis in the field of Oceanographic Engineering submitted to the Department of Mechanical Engineering: Ambient Acoustics as Indicator of Environmental Change in the Beaufort Sea: Experiments & Methods for Analysis

Suzanna C. Clark

Thesis in the field of Physical Oceanography submitted to the Department of Earth, Atmospheric, and Planetary Sciences: Pseudo-Nitzschia in the Gulf of Maine: Investigating Bloom Dynamics, Species Introduction, and Climate Change Implications with Observations and Models

Jacob Samuel Tse Forsyth

(February, 2021)
Thesis in the field of Physical Oceanography submitted to the Department of Earth, Atmospheric, and Planetary Sciences: Diagnosing the Variability in Temperature and Velocity in the Middle Atlantic Bight

Jianhua Gong

(February, 2021)

Thesis in the field of Geophysics submitted to the Department of Earth, Atmospheric, and Planetary Sciences: Structure and Mechanics of the Subducted Gorda Plate: Constrained by Afterslip Simulations and Scattered Seismic Waves

Christina Maria Hernández

(February, 2021)

Thesis in the field of Biological Oceanography submitted to the Department of Earth, Atmospheric, and Planetary Sciences: Distribution, Growth, and Transport of Larval Fishes and Implications for Population Dynamics

Rachel Mary Housego

Thesis in the field of Oceanographic Engineering submitted to the Department of Civil and Environmental Engineering: Barrier Island Groundwater Dynamics

Ming-Yi Jeffrey Mei

(September, 2020)

Thesis in the field of Oceanographic Engineering submitted to the Department of Mechanical Engineering: Morphological Approaches to Understanding Antarctic Sea Ice Thickness

Nathaniel Rust Mollica

(February, 2021)

Thesis in the field of Oceanography submitted to the Department of Earth, Atmospheric, and Planetary Sciences: Coral Reefs in the Anthropocene Ocean: Novel Insights from Skeletal Proxies of Climate Change, Impacts, and Resilience

Ryan Edward O'Shea

(February, 2021)

Thesis in the field of Mechanical and Oceanographic Engineering submitted to the Department of Mechanical Engineering: Computational Approaches for Sub-Meter Ocean Color Remote Sensing

Gabriela Serrato Marks

(September, 2020)

Thesis in the field of Marine Geology submitted to the Department of Earth, Atmospheric, and Planetary Sciences: Investigating Mexican Paleoclimate with Precisely Dated Speleothems

Benjamin Macy Urann

(February, 2021)

Thesis in the field of Marine Geology submitted to the Department of Earth, Atmospheric, and Planetary Sciences: The Heterogeneity and Volatile Content of Earth's Mantle, Magmas and Crust

Elizabeth Jane Wallace

(September, 2020)

Thesis in the field of Paleoceanography submitted to the Department of Earth, Atmospheric, and Planetary Sciences: High Resolution Sedimentary Archives of Past Millennium Hurricane Activity in the Bahama Archipelago

Madeleine Kendall Youngs

(September, 2020)

Thesis in the field of Physical Oceanography submitted to the Department of Earth, Atmospheric, and Planetary Sciences: Residual Overturning Circulation and Its Connection to Southern Ocean Dynamics

MILITARY COMMISSIONS

United States Air Force

Second Lieutenant

Richard T. Barone

Ian M. Hokaj

Scott B. Padron

Anna L. Wahl

United States Army

Second Lieutenant

Michael D. Hiebert

Lucy R. Lee

Ian M. Miller

Garrett R. Memoli

Liam L. Conboy

Shiyan Yin

United States Navy

Ensign

Emily M. L. Colby

Alexander K. Craig

Alison A. Louthain

Nicholas R. Venanzi

Humberto L. Caldelas II

United States Marines

Second Lieutenant

Samuel J. Dorchuck

Index of Degree Recipients

A

Aasen, Ryan 24
Abadiotakis, Helen 35
Abbott, Tristan H. 91
Abdelhamid, Mohamed R. 74
Abdelrahman, Mona M. 20
Abel, James M. 14
Abercrombie, Daniel R. 91
Abodal, Sarah 19
Abouarab, Bechara 58
Abrahamsen, Nilin 91
Abrahantes Morales, Iris d. 14
Abushehab, Nouf 54
Aceituno Cabezas, Bernardo 32
Acieves-Salvador, Jose A. 18
Achorn, Odin B. 91
Ackerman, Liam J. 5
Acker, Marianne 97
Acosta Icazuriaga, Francisco E. 18
Acquaviva, Jonathan P. 56
Adajar, Paolo M. 16
Adamczyk, Alex J. 58
Adams, Hannah E. 3
Adams, Katherine E. 35
Adebiyi, Babatomiwa M. 7
Adebiyi, Thomas O. 3
Adelmann, Charles H. 91
Adhikarla, Saket K. 49
Adoudou, Ali A. 56
Agarwal, Akshay 74
Agarwal, Anisha 7
Agbalajobi, Kayode A. 27
Agostinelli, Giulia 74
Agraan, Jacynth Tate Y. 2
Agrawal, Janak 35
Agrawal, Palash 58
Agrawal, Raj 74
Aguilar, Alex 2
Agustin, Rebecca A. 35
Agwan, Pervez S. 58
Ahbab, Yvana D. 74
Ahmadov, Yashar 48
Ahmad, Yusuf S. 28
Ahmed, Syed T. 48
Ahn, Chaewon 71
Ahn, Kwangjun 42
Aholt, Christopher J. 58
Aholt, Heather B. 58
Ahson, Aziza S. 58
Akinola, Boluwatife O. 16
Akram, Asim N. 57
Akyurek, Ekin 42
Al-Alawi, Bodoor J. 58
Alam, Shahul 35
Alamsyah, Ars-Vita I. 48
AlAnqary, Arwa A. 29
Alapati, Vayun 12
Alardín, Ivana S. 12
Albaiz, Abdulaziz M. 74
Al Bastami, Anas I. 74
Alderbass, Mohammad 58

Alemu, Yodahe K. 7
Alfonsetti, Daniel T. 7
Alford, Simon C. 35
Alghonaim, Abdulmalik 4
Alhajri, Abdulla A. 74
Alhamdan, Abdullah S. 58
Alhassani, Yasmin 58
Aliakbarpour, Maryam 74
Ali, Salem J. 2
Ali, Zarah E. 58
Al Johani, Ebrahim D. 35
Alkhatab, Obada 7
Allard, Jane R. 57
Allen, Allysa A. 18
Allen, Kailey A. 2
Allen, Kelsey R. 91
Alley, Ethan C. 28
Allison, Thomas B. 2
Almajid, Abdulaziz 58
Almarhoumi, Majid A. 21
AlMashaan, Abdulrahman 45
Almonawer, Bader S. 58
Alomar, Abdullah O. 29, 42
Alrished, Mohamad A. 32
Alsaawy, Ahmad 56
Alshalan, Ghadah M. 18
Alshamary, Marsin R. 87
Alsup, Meia L. 35
Alumootil, Varkey T. 7, 35
Alvarado, Nicholas A. 7
Alvarez, Daniel L. 58
Alvarez, Paige X. 23, 24
Alves da Silva Junior, Josimar 91
Amanfu, Caleb A. 1
Amaniampong, Joshua Gyesi K. 21
Amar, Jonathan Z. 89
Amasino, Audra L. 91
Amato, Nicolas 18
Amin Elfadil Elawad, Amel 18
Amores Fernandez, Judith 71
Amy, Caleb 74
Anand, Akina 58
Anandapadmanaban, Eswar 35
Anastas, Nicholas J. 46
Anderson, Connor W. 5
Anderson, Luke J. 74
Anderson, Sophie G. 13
Anderson, Zoe E. 7
Andrade Aparicio, Manuel 58
Andre, Julie 65
Andrews, James O. 91
Andrews, Taylor H. 42, 49
Angata, Shinji 56
Angelini Frankenthal, Isadora 54
Angenent-Mari, Nicolaas M. 74
Ani, Joshua C. 7
Anjani, Nyoman 49
Anoke, Michael C. 20
Ansaria, Afra 42, 49
Anstett, Todd J. 58
Anteneh, Melat R. 69
Anuar, Kazrin b. 58
Anzola, Valentina 48
Aoudou Bassiro, Issa Rais 13
Apodaca Moreno, Maria Regina 46
Apolaya Torres, Luisa F. 3
Arcelus, Ainara A. 58
Archer, William A. 7
Archibald, Kevin M. 97
Aristida Guimarães Junior, Rogério 7
Arnault, Jean 66
Arnosti, Nathan A. 24
Arora, Ginna 58
Arthur, Lucas M. 19
Artman, Nicholas C. 48
Asa, Fumilola A. 49
Ashok, Maitreyi 42
Aslaksen Aristizabal, Andreas 59
Ateshian, Lamia 42
Athalye, Ashay 5
Attipalli, Srinivas K. 57
Auffinger, Caitlin E. 46, 59
Auriyane, Arditha 23
Aydin, Ashley S. 59
Ayers, Chloe E. 19
Aysola, Pooja 59
Azevedo Coutinho, Rita 59
Azolaty, Elnaz 32, 59

B

Babakan, Kayhan 49
Baber, Sheila J. 20
Bacanu, Alexandru 91
Bacher, Katharine E. 35
Backstrom, Jacob M. 48
Bader, Christoph 71
Badgett, Marcus M. 2
Badillo, Andrea E. 14
Badinski, Ivan N. 87
Badrinath, Sandeep 74
Baek, Changyeob 74
Baek, Jee hee 27
Baeza, Hector 57
Bagadiya, Neha R. 59
Bah, Amadou Y. 5
Bah, Mohamadou B. 5
Bahner, Matthew D. 7
Bakker, Michiel A. 74
Balabanska, Nadya L. 35
Balagula, Ilona 59
Balaji, Shreyas 21
Balasingam, Arjun V. 42
Balcarras, David A. 87
Baldwin, Matthew J. 19
Balitskiy, Alexey 91
Ballali, Catherine O. 48
Ballesta Quintana, Daniel 59
Ballinger, Katherine M. 59
Balzac, Adira T. 4
Bandeira Advincula, Gabriela B. 26
Bandopadhyay, Roopsha D. 14
Banerjee, Utsav 74
Banks, Daniel P. 91

- Bann, Gabriel T. 29
 Barabonkov, Damian S. 35
 Barberio, Antonio E. 74
 Barbour, Johanna C. 69
 Barcelo, Trevor W. 57
 Bard Varges, Drew 59
 Barker, Scarlett J. 91
 Barone III, Richard T. 19
 Baron-Schmitt, Nathaniel J. 87
 Barotta, Jack-William 20
 Bash, Ryan B. 59
 Bass, Parker J. 5
 Bastian, Luke 2
 Bastos Lages, Luíza 24
 Battali, Clio 4
 Batra, Raghav 59
 Bauer, Jackson J. 75
 Bayliss III, Roderick S. 35
 Baylor, Brandon S. 49
 Bay, Phebe 67
 Bazarian, Christian A. 59
 Beatty, Maximilian S. 27
 Beaulieu-Laroche, Lou 91
 Bechir, Ilknur 56
 Bédat, Vincent P. 59
 Beem, Jennifer L. 32
 Begun, David 59
 Belanger, Ashley N. 54
 Belyaeva, Anastasiya 75
 Benakli, Aris 66
 Benavides, Thomas P. 5
 Benavidez, Oscar J. 57
 Ben Dhia, Aicha L. 87
 Bening, Sarah C. 75
 Benitez, Adiel A. 23
 Benjamin, Alex 75
 Ben Jonathan, Amir M. 59
 Bennington, Benjamin L. 3
 Ben Said, Anis 64
 Bensaid, Eden 36
 Benson, Jordan L. 20
 Berdnikov, Aleksandr 91
 Berg, Alexandra A. 20
 Bergamaschi, Thiago R. 19
 Berger, Allegra J. 13
 Berke, Alexandra A. 26
 Berlin, Heather M. 42
 Bernatchez, Jackson R. 36
 Bertani, Thiago M. 56
 Berzolla, Zachary M. 24
 Beveridge, Matthew J. 36
 Bhagwat, Nikhil R. 59
 Bhaiya, Vikas K. 57
 Bhandari, Sisam 7
 Bhathena, Darian 36
 Bhattacharjee, Smita 3
 Bhavaraju, Srilaya 36
 Bhuwalka, Karan 29, 42
 Bian, Yuan 69
 Biberman, Josef X. 46
 Bickus, Jacob E. 48
 Bidanda, Maya T. 67
 Bikovtseva, Agata A. 18
 Billat, Isabelle E. 57
 Billingsley, Michael 56
 Bilotti, Jeremy C. 23, 42
 Bi, Ran 91
 Birnbaum, Harry A. 31, 59
 Bishop, Mindy D. 75
 Bishop, Timothy G. 59
 Blackburn, Laura E. 59
 Blain Campos, Ana C. 59
 Blake, Kofi G. 13
 Blalock, Davis W. 75
 Blanchflower, Rebecca C. 59
 Bledsoe, Gregory H. 57
 Blessing, Virginia C. 29, 42
 Blevins, Morgan G. 70
 Bloore, David A. 75
 Blum, Talia M. 20
 Boettcher, Thomas J. 91
 Boghozian, Adrianna J. 29, 42
 Boix, Enric 42
 Bolli Jr., Roberto A. 3
 Bonaker, Nicholas R. 5
 Bonilla, Israel J. 13
 Bonime, Western 49
 Bonner, Ross A. 32
 Boominathan, Soorajnath 36
 Borenstein, Alison R. 64
 Boroushaki, Tara 28
 Bosboom, Jeffrey 75
 Bosshardt, Joshua J. 87
 Bouche, Ian 19
 Bouhanna, Jack 5
 Bou Jaoude, Louccas 66
 Boulais, Océane E. 26
 Boumhaout, El Bachir 36
 Bowen, Kalyn 36
 Bowman, Scott G. 5
 Boyer, Yun X. 36
 Bozaga, Tugba 87
 Bradford, Eric M. 36
 Bradford, Matthew S. 16
 Bradley, Ian D. 27
 Bradt, Della J. 59
 Brahma, Kaustav 42
 Brahmakshatriya, Ajay R. 42
 Brandt, Laura E. 42
 Brannon, William W. 26
 Braun, Caitlin M. 32, 59
 Brennan, Mark E. 71
 Brennan, Matthew S. 75
 Brenner, Aron M. 2
 Brenner, Nicholas L. 59
 Brewer, Jasmine T. 91
 Brink, Lukas F. 46
 Brkic, Haris 36
 Broderick, Owen C. 17
 Broida, Jacob 46
 Browder, Rebecca L. 29, 46
 Brown, Benjamin K. 57
 Browne, Elizabeth S. 71
 Brown, Katherine A. 49
 Brown, Timothy C. 66
 Brunner, Joshua T. 36
 Bruno, Amelia R. 46
 Bruzon, Fabian F. 56
 Bubnov, Andrei 57
 Buckland, Landon M. 20
 Buffington, Claire 13
 Bui, Johnny M. 7
 Bujosa Tato, Ana I. 59
 Bu, Lillian 7
 Bullen, Alec M. 59
 Bullock, Carson W. 29
 Bulovic, Katarina M. 7
 Bundy, Madeline E. 12
 Burchard, Kye 5
 Burgunder, Mateusz 67
 Burnell, Edward E. 75
 Burnell, Samantha A. 2
 Burns, Bridget 24
 Bustos, Nicole A. 32
 Byanna, Nikhil 59, 68
 Byrne, Courtney E. 3
 Byrne, Thomas J. 87
 Byun, Suzie Y. 12
- C**
- Cabosky, Rachel L. 49
 Cafferky, Patricia A. 24
 Cahill, Lucas C. 75
 Cai, Shuting 59
 Caldelas II, Humberto L. 46
 Calderon Urtes, Nayeli 56
 Callahan, Andrew B. 2
 Camacho, Alejandro 7
 Camargo Henao, Jonathan E. 48
 Cambronero Sánchez, José P. 75
 Cameron, Benjamin C. 75
 Cameron, Kristin K. 48
 Cameron, Matthew S. 7
 Campbell, Abigail J. 32
 Campbell, Colleen M. 20
 Canela Mejia, Andres 56
 Canellas, Maureen M. 59
 Cantine, Marjorie D. 91
 Cantú, Sergio H. 91
 Cao, Anton 7
 Cao, Chenzi 66
 Cao, Ruidi 20
 Cao, Yiqun 67
 Cao, Yuan 75
 Cao, Yuchen 64
 Caputo III, Albert R. 66
 Carlson, Ethan L. 49
 Carlson, Max 75
 Carmeliet, Dries 23
 Carolan, Michael A. 17
 Caros, Nicholas S. 52
 Carpenter, Kylie K. 7
 Carroll, Katherine M. 46
 Carson, Christopher E. 49
 Cartolano Júnior, Etienne A. 56
 Cary, Benjamin G. 36
 Casalegno, Geneva M. 3
 Cassady, Shannon M. 13
 Cass, Marjorie C. 57
 Castillo Lanuza, Marc 59
 Castillo Lezama, Jorge F. 59
 Castro Lozano, Luis Fernando 59

- Caversan, Núbia 59
 Celio, Hunter K. 3
 Cen, Lujing 36
 Cerna Aragon, Diego Alonso 54
 Cervantes, Bernardo 91
 Cervantes, Johan 7
 Cervenka, Adam J. 59
 Chafekar, Tejas 49
 Chahal, Jotpreet S. 57
 Chaiwatanodom, Paphonwit 75
 Chan, Caroline M. 42
 Chancey, Bahij V. 24
 Chandak, Vaibhav 66
 Chaney, Colin P. 5
 Chang, Benjamin A. 87
 Chang, Chia-Jung 91
 Chang, Chi-Ya 59
 Chang, Christopher W. 7
 Chang, Hao-Yu Derek 75
 Chang, Joon Keun 27
 Chang, Kevin Y. 20
 Chang, Mark 46
 Chang, Yun 46
 Chang, Zeeyoung 59
 Chan, Jenny 3
 Chan, Jonathan M. 64
 Chan, Sin Kai 49
 Chao, Chung-Yun 75
 Chao, Megan C. 36
 Chao, Sharon V. 5
 Chao, Tzu-Ning 48
 Charchut, Nicholas G. 36
 Charous, Aaron S. 29
 Chatterjee, Pranam 71
 Chavez Cruz, Felix E. 17
 Cha, Yangun 59
 Chegu, Preethi 59
 Chen, Amanda 75
 Chen, Ann 32
 Chen, Benjamin Y. 7
 Chen, Bryan X. 7
 Chen, Caroline 8
 Chen, Christina 8
 Chen, Danning 48
 Chen, Emily 8
 Chen, Fiona Y. 20
 Cheng, Chung Hon M. 29
 Chen, George C. 3
 Cheng, Zhuo 59
 Chen, Hongge 75
 Chen, Jacqueline S. 1
 Chen, Jenning N. 8
 Chen, Kenny 91
 Chen, Kexin 45
 Chen, Lantian 36
 Chen, Meishi 66
 Chen, Mengpei 31, 59
 Chen, Mingjia 59
 Chen, Nicholyn 59
 Chen, Rui 97
 Chen, Ruicong 42
 Chen, Sabina W. 36
 Chen, Shen 64
 Chen, Shiying 66
 Chen, TaHang 42, 50
 Chen, Wei-Tung 5
 Chen, Weixuan 71
 Chen, Yi-Jung 45
 Chen, Yiwen 67
 Chen, Yongyi 91
 Chen, Zhenbang 8
 Chen, Zhenjia 8
 Cheung, Christopher W. 8
 Chevalier, Samuel C. 75
 Chevallier, Juliette L. 46, 59
 Chiapperi, Joseph D. 46
 Chignoli, Matthew T. 32
 Chimibli, Varun Kumar 56
 Chin, Chiuen Chou Gabriel 66
 Chin, Christopher H. 46
 Chin, Jacky 12
 Chinnery, Samuel B. 5
 Chinn, Magnolia M. 14
 Chin, Preston M. 59
 Chisholm, Joshua A. 56
 Chiti, Anirudh 91
 Chiu, Erica J. 8
 Chmielewski, Michael S. 59
 Chodrow, Philip S. 89
 Cho, HongSeok 53
 Choi, Eun Ah 59
 Choi, Jeana 5
 Choi, Joonwon 75
 Choi, Ki-Soon 67
 Choi, Seri 36
 Cholst, Nicholas B. 59
 Cho, Lucy S. 3
 Chomette, Gregoire A. 46
 Chong, Isabelle P. 6
 Chong Lugon, Daniela 24
 Chong Lu Ming, Rubez 26
 Choobineh, Sasan 59
 Chossière, Guillaume P. 75
 Chotrattanapituk, Abhijatmedhi 19
 Choudhary, Akshay 54
 Chou, Jonathan J. 75
 Chow, Jeff T. 36
 Christensen, Derek A. 57
 Chroman, Zachary D. 20
 Chuang, Ching-Yao 42
 Chuan, Grace 12
 Chu, Cecelia C. 6
 Chu, Chen 23
 Chui, Jane Y. 76
 Chu, Landon S. 8
 Chung, Woo Chang 91
 Chuor, Manning 6
 Churt, Rebecca 56
 Chwalek, Patrick C. 26
 Cinalli, Sydney J. 23
 Clancy, Julien E. 92
 Clark, Christopher P. 46
 Clarke, Julia W. 20
 Clarke, Lauren 45
 Clark, James R. 76
 Clark, Jesse T. 87
 Clarkson, Sarah R. 59
 Clark, Suzanna C. 97
 Clauss, Julie 56
 Clemens II, Mark W. 57
 Clester, Ian J. 36
 Cleveland, Gregory T. 92
 Close Jr., Thomas C. 76
 Cocco Beltrame, Daniela A. 24
 Cohen-Hillel, Tamar 89
 Colby, Emily M. 3
 Cole, Henderson 22
 Collins, Katherine M. 19
 Colwell, Richard D. 4
 Conboy, Liam L. 8
 Condon, Emily P. 2
 Condon, Kendall J. 92
 Connally, Joseph W. 59
 Connolly, Devin 66
 Connors, Grace B. 32
 Conover, Matthew E. 19
 Contreras, Ignacio J. 59
 Contreras, Mario M. 46
 Conzon, Vanessa M. 89
 Cook, Braden N. 6
 Coombs, Orisa Z. 3
 Cooper, Lauren C. 5
 Corbett, Sean M. 57
 Cordero, Justin J. 18
 Cornish, Evan S. 8
 Coronado Barbosa, Jaime 57
 Cortez Padilla, Gerardo A. 17
 Cosson, Romain 42
 Costantini, Winn E. 24
 Costello III, Kevin J. 20
 Cotler, Max J. 76
 Cotter, Philip D. 46, 59
 Couse, Joshua J. 64
 Coyle, Carolyn P. 76
 Craig, Alexander K. 6
 Cramer, Avilash K. 76
 Crawford, Jennifer R. 69
 Creamer, Joshua 50
 Creasman, Melinda A. 57
 Crespo, Amelia M. 67
 Crocker, Peter B. 36
 Cruz Mendoza, José A. 8
 Cruz Walma, Nathaniel J. 17
 Crystal, Isabel R. 76
 Cuadra, Sergio E. 19
 Cubas Ramacciotti, Carlos F. 59
 Cuellar, Alex C. 6
 Cui, Ang 76
 Cuilleret, Pauline 66
 Cummings, Andrew T. 46, 69
 Cummins-Askew, Jennifer C. 57
 Currid, Matthew C. 57
 Curry, Tyler J. 4
 Curtis, Shiloh 36
 Cusumano-Towner, Marco F. 76
 Cutlip, Margaret G. 32, 59
- D**
 Dabrowski, Jessica S. 70
 D'Acierno, Charlotte I. 23
 Daep, Madeleine I. 71
 Daftarian, Reza 23

- Dagher-Mansour, Zeina 56
 Daher, Jade I. 14
 Dai, Miles J. 36
 Dai, Wangzhi 42
 Dai, Zheng 42
 D'Alonzo, Samantha 20
 Dalusma, Benjamin A. 59
 Dalzell, Benjamin J. 59
 Damerla, Ravalika 14
 Dancewicz, Jenna G. 59
 Dangond, Daniel A. 8
 Danhaine, Renaud A. 71
 Danielsen, Niels C. 59
 Dannin, Isadora S. 23
 Dapo-Famodu, Adetoun Y. 54
 Dargan, Hope 8
 Darmesh, Aidar 48
 Das, Ria A. 8
 Das, Ritesh K. 54
 Das, Sanchita 49
 Datta, Ashwin N. 2
 Datta, Bianca C. 71
 Davidson, Rosemary K. 46
 Davis, Colin P. 87
 Davis, Meggan K. 59
 Davis, Meghan E. 14
 Dawson, Charles B. 46
 Daza Vigo, Brian Nick 54
 Deane, Benjamin 87
 de Araujo Ferreira, Fernanda 54
 Deasey, Saffron T. 17
 DeBenedictis, Erika A. 76
 DeBitetto, Emily Q. 18
 Deckoff-Jones, Skylar 76
 de Cos Igartua, Pablo J. 59
 Dedhia, Ray H. 6
 de Filippi, J. Roland 50
 De Freitas, Carlos T. 56
 De Jesús-Kim, Lorraine 92
 Deka, Samantha 57
 De la Mora Perez, Luis 56
 Delannoy, Paul F. 66
 de la Porte, Jolani 56
 de Lapuerta Fernandez, Jose 59
 Delarue, Arthur J. 89
 Delgado González, Carlos 60
 Delhees, Benjamin A. 16
 de los Santos Schwartz, Gabriel 2
 Delpont, Raphaelle D. 65
 DeLuke, Levi M. 32, 60
 Demina, Anastasia 66
 Demisse, Mussie T. 6
 Demissew, Alenta 36
 Demuren, Olukunle O. 92
 Deng, Amanda 6
 Denmark, Evan L. 36
 Dennett, Jonathan R. 60
 Denove, George T. 46
 Densmore, Casey R. 70
 Deol, Navraj 56
 de Oteyza, Charles 60
 Derek, Kenneth A. 36
 Dernaoui, Zaki 89
 de Rubertis, William J. 12
 DeSandis, Steven P. 60
 De Silva Reguera, Roberto 60
 de Silva, Timothy H. 67
 Desmond, Erika E. 60
 de Soto, Kaylee M. 19
 deSouza, Priyanka N. 71
 DeSutter, Dana J. 48
 Devasia, Nisha E. 8
 De Vito, Alessia 57
 DeWees, Eric R. 27
 Dey, Carl K. 57
 Dhaliwal, Jagjit S. 57
 Dhariwal, Manuj 26
 Dharmaraj, Vishnu L. 45
 Dhesi, Amar S. 67
 Dhingra, Ashna 45
 Dhulipala, Somayajulu 32
 Diasti-Kennedy, Azza 57
 Diaz, Alejandro D. 6
 Diaz Baquero, Andrea P. 50
 Díaz Marín, Carlos D. 32
 Diaz, Steven 8
 Diehl, Roger C. 92
 Dienes, Andrew K. 20
 Dienes, Thomas J. 8
 Digalaki, Korina 20
 Diggans, Keith R. 57
 Dillon, Tom M. 32
 Dima, Alexandra 8
 Dimaki, Georgia G. 68
 Dimitrova, Nadezhda D. 14
 Ding, Zhiwei 76
 Dinh, Hoang T. 12
 Dinh, Kimberly T. 76
 Dinh, Thao H. 19
 Dixit, Yash R. 29, 42
 Doblar, Dylan D. 6
 Docter, Jordan S. 6
 Dodds, Laura N. 6
 Dohadwala, Sarah M. 18
 Doherty, Oladipupo J. 50
 Dolan, Christopher R. 70
 Dolan, Kieran P. 76
 Dolan, Sydney 46
 Domino, Joseph D. 57
 Donahue, John S. 60
 Dones-Monroig, Jesús M. 92
 Doneson, Daniel A. 57
 Dong, Jiayi 14
 Dong, Siyuan 76
 Dong, Wentao 76
 Dong, Ze 17
 Donlon, Elliott S. 33
 Dorchuck, Samuel J. 8
 Dorf, Ryan S. 12
 Doshi, Manan M. 29
 dos Santos Izaguirre, Federico G. 48
 Douglas, Daysia V. 3
 Downey, Katelyn R. 18
 Downey, Kevin D. 12
 Downey, Patrick R. 27
 Drayton, James A. 13
 Drean, Jules G. 43
 Drexler, Jennifer F. 76
 Driscoll, Aidan E. 19
 Droddy, Kenneth J. 56
 Dsouza, Sohan S. 26
 Duan, Yuqin 43
 Dubbs, Katherine P. 23
 DuBransky, Julian D. 16
 Dubuque, Elise S. 27
 Ducru Clouthier, Pablo P. 76
 Duda, Akshay 60
 Dudzik, Thomas O. 36
 Duff, Peter A. 2
 Dugas, Kayleigh S. 2
 Duguid, Zachary J. 70
 Dumas, Nicolas K. 87
 DuMez, Mason J. 14
 Dummit, Krysta A. 92
 Dumont, Felix 43, 60
 Dunand, Murielle 36
 Durfee, Robert B. 8
 Durr, Cody R. 8
 Dutile, Nathaniel A. 57
- E**
 Eaton, Abraham M. 65
 Edelman, Austin S. 6
 Edelman Jr., Brent D. 14
 Eden, Samuel J. 60
 Edison, Jacob C. 13
 Edwards, Demar R. 8
 Edwards, Emma C. 76
 Edwards, Sarah M. 16
 Efendigil, Esat 48
 Egaña Tomic, Tomás C. 50
 Egbuonu, Kenechukwu B. 18
 Eguren, Luisa 60
 Ehrig, Kurt U. 57
 Eiskowitz, Skylar 46
 Ekblaw, Ariel C. 71
 El Aamrani, Ahmed 65
 Elango, Mahalaxmi 36
 Elbashir, Ahmed N. 8
 Eliades, George P. 60
 Elian, Tony J. 13
 Elias, Leonardo A. 89
 El Khoury, Samy R. 66
 Elliott, Robin A. 92
 Ellis, Kevin M. 92
 Encinas Maqueda, Manuel A. 2
 Enghuus, Casper N. 92
 Enkhbayar, Turbat 22
 Enns, Gabrielle K. 3
 En, Savannah 20
 Epperson, Jeffrey W. 33, 60
 Erabelli, Saroja 36
 Erdman, Zachary S. 60
 Erdogan-Haug, Belma 57
 Erickson, Brian C. 56
 Ernst, Thomas H. 89
 Esaka, Toshinori 57
 Escandón Rozo, Paula A. 60
 Eschler, Christopher M. 4
 Escribe, Célia 68
 Espina Carvajal, Isabel 57
 Espinosa Hoyos, Daniela 76

- Esterman, Cecilia M. 12
 Etcheverry, Maria P. 50
 Evenchik, Alexander L. 4
 Everett, Michael F. 76
 Eryies de la Cuadra, Martin 60
 Ezgu, Alp 60
- F**
- Fabian, Andrew S. 33, 60
 Fainchtein, Abraham I. 60
 Fall, Cheikh A. 66
 Fan, Boyu 76
 Fang, Kevin A. 8
 Fang, Shuyuan 66
 Fang, Yixuan 48
 Fang, Yu Liang 36
 Fan, Kenneth 56
 Farah, Libaan I. 22
 Fardelas, Georgios 50, 52
 Farr, Elizabeth J. 24
 Farrell, Killian J. 65
 Fata, Elaheh 76
 Faust, Diana B. 12
 Faustina, Aidan Z. 19
 Feldman, Andrew F. 76
 Feldman, Jonathan M. 26
 Feldmann, Axel S. 43
 Feldstein, Hannah L. 33
 Felix, Lorraine C. 66
 Felix Silva, Mayara Priscila 87
 Feng, Jieming 48
 Feng, Joyce 8
 Feng, Leirong 65
 Feng, Meng 46
 Ferber, Evan G. 60
 Fernández Briseño, Diego 27
 Ferreira Cardoso, Cauam 71
 Ferreira Martinez, Katherine R. 60
 Ferry, Steven J. 60
 Fields, Gabriel D. 8
 Figueroa, Annetoinette O. 2
 Filippone, Stephen A. 76
 Fincher, Christopher T. 92
 Finear, Gabrielle M. 12
 Finley, Joseph T. 77
 Fishman, Joshua S. 33
 Fissinger, Mary Rose 52
 Fitzgerald, Riley M. 77
 Fitzsimons, Maura C. 60
 Flanagan, Sarah R. 36
 Flavin, Matthew T. 77
 Fleischman, Morgan L. 27
 Fletcher, Nathaniel P. 8
 Flores, Diana J. 36
 Flor Garcia, Jorge J. 60
 Flynn, Megan C. 3
 Flynn, Rian B. 19
 Focaracci, Madelyn R. 13
 Foo, Zi Hao 33
 Forbes, Erick J. 57
 Ford, Daniel S. 60
 Ford III, William C. 60
 Forehand, Brandy N. 31, 60
 Fornino, Michele 87
- Forsyth, Jacob S. 97
 Fountain, Timothy S. 35, 52
 Fournier, Juliette L. 87
 Fowle, Carrie M. 65
 Fox, Adam M. 57
 Fox, Kristen A. 60
 Fragedakis, Dimitrios 77
 Franca de Sousa Jr., Paulo Sergio 48
 Franjou, Sebastian L. 16
 Franz, Erwin 50
 Freeman, Jesse B. 92
 Freemark, Yonah S. 71
 Freitas de Mendonça, Artur 60
 Freitas, Nicholas J. 12
 Frering, Antonio Lorenzo M. 60
 Freudenheim, William S. 54
 Frey, Abigail M. 13
 Frey, Kristoffer M. 77
 Friedlander, George K. 20
 Frigo, Clare A. 33, 60
 Fritts, Rachel 54
 Fry, Jonathan G. 50
 Fuchs, Rachael S. 8
 Fuhr, Grant W. 8
 Fujie, Mizuhiko 60
 Fujii, Keitaro 56
 Fujita, Haruna 60
 Fukatsu, Takeshi 50
 Fukui, Masao 87
 Fukushima, Mayumi 87
 Fure-Slocum, Jacob A. 60
 Furlong, Fiona I. 60
 Fu, Ruiwen 12
 Furukawa, Chishio 87
 Fu, Si Hui 57
 Fusman, Judith 6
- G**
- Gaba, Fidelia N. 14
 Gabhart, Evan P. 6
 Gabriela, Monica 31, 60
 Gabriel, Sara E. 60
 Gaetz, Christian 92
 Gaillard de Saint Germain, Alethe 92
 Gaitan, Sabrina 31
 Gaither, Audrey C. 2
 Gakhar, Kanika 46
 Galanek, Leanne S. 15
 Galarneau, Kyle W. 60
 Galindo, Ignacio 60
 Galinsky, Lauren E. 60
 Gall, Bautista 60
 Gallegos, Luis A. 13
 Gallinal, Maria Gabriela 56
 Galou ep Lameyer, Maria P. 57
 Gamble, Melissa M. 57
 Ganeshan, Sanjay 36
 Gani, Terry Z. 77
 Gantman, Samuel J. 2
 Gao, Cherry 77
 Gao, Frank Y. 92
 Gao, Haoyang 19
 Gao, Linyi 77
 Gao, Patricia D. 12
- Gao, Qiyun 3
 Gao, Sherry 48
 Gao, Song 48
 Garcia Andrade, Agustin E. 20
 Garcia, Armando J. 2
 García Franceschini, René A. 29
 Garcia, Gabriella 3
 García Sánchez, Juan Cristóbal 50
 Garcia-Zych, Allan A. 8
 Gardner, Benjamin A. 8
 Garg, Sachin K. 48
 Garg, Vikas K. 77
 Garner, Kendall 6
 Garofalo, Amanda N. 3
 Garrett, Abigail M. 65
 Garrett, Austin J. 36
 Garza, Aaron A. 3
 Garza Ortiz, Juan I. 60
 Gascón Alvarez, Eduardo 23
 Gaubatz, Julia C. 14
 Gauna, Roberto 6
 Gauvin, Ethan L. 60
 Gaylo, Declan B. 35
 Ge, Baoliang 77
 Geha, Georges 66
 Geil, Autumn R. 4
 Gelenter, Martin D. 92
 Gentil, Kevin M. 56
 Georgescu, Andreea 68
 Georgiev, Kristian G. 20
 Gerges, Elie G. 66
 Gerovitch, Albert S. 8
 Gertler, Charles G. 92
 Ghandeharioun, Asma 71
 Ghenis, Max 54
 Ghosh, Anirban 56
 Ghosh, Irin 8
 Giglio, Nicholas B. 56
 Gilhula, James C. 92
 Gillam, Eryn M. 4
 Gillani, Nabeel N. 71
 Gilles, James H. 36
 Gillette, Aaron O. 60
 Gillis, Ryan J. 77
 Gilpin, Leilani H. 77
 Giudicelli, Guillaume L. 77
 Gjengset, Jon F. 77
 Gjonaj, Klajdi 20
 Gkirkis, Kyprianos A. 33
 Glassey, Emerson W. 77
 Glynn, Russell T. 29
 Go, Deborah 31, 60
 Goglia, Christine E. 18
 Goh, Zuo Min 54
 Goldenberg Ibáñez, Juan E. 56
 Gold, Jacob M. 92
 Goldman, Olivia C. 48
 Goldsmith Oppenheim, Orly 56
 Goldy, Steven R. 13
 Golla, Anurag 8
 Gollob, Samuel D. 33
 Gomarga, Wilson 14
 Gomes, Caela G. 3
 Gonçalves, Ana Cristina V. 60

- Gonçalves Marins Costa, João Pedro 71
 Gong, Jianhua 97
 Gong, Linda Z. 37
 González-Cervantes, Marianna 23
 Gonzalez, Dani 2
 González Díaz, Daniel E. 3
 Gonzalez Gil, Fernando 48
 Gonzalez Howard, Leah 60
 Gonzalez Placito, Alejandro 1
 Gonzalez Ruiz, Cristian L. 56
 Gonzalez, Sarah M. 46
 Goode, Allison 14
 Gopal, Charvi 8
 Gopalkrishnan, Rahul 77
 Gopinath, Divya 37
 Gordon, Danielle S. 8
 Gordon, Skylar F. 20
 Goridkov, Nicole M. 3
 Goul, Edward M. 37
 Gourevitch, Ruth F. 24
 Govindarajan, Girish Kishen 65
 Gowen, Jordan H. 50
 Goyal, Harsh D. 54
 Grabon, Jeffrey S. 70
 Grace, River C. 20
 Granadoz Chavez, Enriko K. 6
 Gravel, Katherine E. 20
 Gray, Jackson M. 5
 Greenblatt, Wesley H. 67
 Greene, William N. 77
 Green, Rachel A. 37
 Gregg IV, Cecil M. 12
 Gregorian, Dro J. 50
 Grey-Stewart, Danielle N. 4
 Griese, Andrew H. 33
 Griffiths, Emma L. 4
 Griggs, David A. 33
 Griggs, Peter A. 37
 Grillo Illipronti, Rafael 48
 Gromko, Zackary J. 6
 Grondahl, Samuel I. 87
 Gross, Jason S. 77
 Gross, Marissa L. 60
 Gruenstein, Joshua A. 6
 Gschwind, Katharina V. 37
 Guajardo, Jose C. 5
 Guajardo, Uriel 19
 Gu, Alexander F. 6
 Guan, Yue 77
 Guay, Michael T. 57
 Gubner, Jennifer N. 46
 Guendelman, Andrea 57
 Guenther, Megan E. 20
 Guerra de Sá, Marco A. 57
 Guerra, Tanner B. 17
 Guerster, Markus 77
 Guettler, Darya C. 2
 Guillen Barail, Martin 60
 Guillén, Daniela E. 20
 Gulaid, Sofia A. 25
 Gunes, Sedat 57
 Gunnison, Grant W. 37
 Guo, Alexander K. 8
 Guo, Nicholas 8
- Guo, Xiaolu 37
 Guo, Yanchunni 65
 Gupta, Aditi 77
 Gupta, Huma 71
 Gupta, Keshav 6, 37
 Gupta, Satish Kumar 77
 Gurumurthy, Praneeth 70
 Gustafson, Tessa J. 8
 Guttentag, Amelia E. 19
 Gu, Xinyi 17
 Gyde, Jihye C. 60
- H**
- Habes, Amina K. 60
 Hackney, Gregory L. 58
 Haddad, Joseph J. 60
 Hadji, Sofiane Nour 65
 Haeffner, Andrew J. 6
 Haeffner, Brett D. 18
 Hagemo, Christopher A. 58
 Hahn, Katherine M. 13
 Haig, Emily A. 17
 Haine, Peter J. 92
 Haiti, Matthew W. 33, 53
 Hajal, Cynthia 77
 Halaby, Souhail 60
 Halem, Zachery M. 68
 Halkenhauser, Maxwell E. 2
 Halperin, Lucy S. 46
 Halperin, Rachel E. 60
 Ha, Matthew 6
 Hambacher, Matthew S. 2
 Hamer, Tyler T. 74
 Hamilton, Benjamin 33
 Hamilton, Evan B. 60
 Hammer, Benjamin R. 60
 Hammond, Brady M. 50, 53
 Han, Bing 60
 Handly, Erika D. 78
 Hanes, Hayley S. 60
 Han, Jinchi 77
 Hank, Travis J. 46
 Hanley, Nicholas R. 50
 Hannan, Thomas J. 8
 Han, Nathan 12
 Hannigan, Andrew 60
 Hänni, Kaarel 20
 Hansen, Miki O. 3
 Hansen, Peter G. 89
 Hao, Junli 78
 Haque, Jennah A. 12
 Harabedian, Jeanne L. 6
 Harari, Tom 56
 Harden Jr., Mark M. 92
 Hardin, Bo D. 17
 Hare, Daniel J. 27
 Harper, Daniel 69
 Harper, Sterling M. 78
 Harrington, Anne H. 20
 Harris, Nicholas D. 58
 Harris, William H. 35
 Hartono, Noor Titan Putri 78
 Hart, Peter K. 8
 Harutyunyan, Elina 66
- Harvey, Alvin D. 47
 Hasan, Adib 8
 Hasan, Mohamed I. 60
 Hashemian, MohammadMahdi 89
 Hashem, Yusuf A. 60
 Hassan, Mahmoud 8
 Hassoun, Rukia A. 13
 Hatchett, Johaun J. 19
 Hayden, David S. 78
 Hazan, Nava 58
 Hazel, Juanita C. 60
 Heatzig, Mark P. 8
 Hedglin, Nolan R. 29, 43
 Heffernan, Sam 60
 He, Helen M. 37
 Heilbrun, Brian J. 50
 Heins, Oliver H. 22
 He, Jiawen 66
 He, Mengqi M. 23
 Hendrickson, Cynthia L. 58
 Hendrickson, Dylan H. 43
 Hendrickson, Jessica L. 54
 Henn, Christian T. 8
 Hennessey, Ryan C. 8
 Henry, Junita M. 54
 Hernandez, Analyce B. 15
 Hernandez, Anthony 37
 Hernández, Christina M. 97
 Hernandez, Diana I. 6
 Hernandez, Drake D. 29
 Hernandez, Julian A. 8
 Hernandez, Petra-Juliahn E. 5
 Herndon, Liam K. 13
 Herold, Patrick B. 60
 Herrera, Alex 8
 Herrera Arcos, Jesus Guillermo 26
 Herrera Arias, Luis Fernando 8
 Herrera, Jonathan M. 12
 Herscovici, Sophie R. 16
 He, Yanpu 78
 Hidalgo, Nancy Y. 5
 Hiebert, Michael D. 8, 37
 Hie, Brian L. 78
 Higginbotham, Haley O. 14
 Higgins, Kyle J. 13
 Higuchi, Rayna C. 2
 Hijaz, Mohammed S. 18
 Hilby, Kristan M. 33
 Hilgenberg, Felipe 60
 Hilke, Joshua R. 37
 Himatsingka, Jai 66
 Himawan, Jenna 8, 37
 Hirschfeld, Lior S. 20
 Hirst, James 92
 Hixson, Cory C. 20
 Ho, Alice C. 17
 Ho, Darryl 8
 Hodges IV, Jerome 87
 Hodgkins, Chelsea 25
 Hoekman, Frank 54
 Hoffer, Cole R. 37
 Hoffman-Bice, Rachel M. 78
 Hogan, Caleb B. 60
 Ho, Jordan S. 92

- Hokaj, Ian M. 13
 Holbrook, Zachary N. 37
 Holden, Rebecca L. 92
 Holley, Claire E. 2, 31
 Hollingsworth, Langdon S. 48
 Holl, Justen M. 12
 Holloway, Jack W. 78
 Holmes, Benjamin R. 43
 Holtz, David M. 89
 Holtzman, Toby W. 37
 Hong, Daniel I. 37
 Hong, Eric 8
 Hong, Moo Sun 78
 Hong, Qiantan 19
 Hong, Sungjoon 92
 Hong, Zhuoqiao 50
 Honigberg, Jesse D. 58
 Honsel, Luis 65
 Hooper, Milo J. 3
 Ho, Po Yan 56
 Horneț, Vladlena 14
 Horton, Brendan K. 50
 Hoshino, Mototsugu 56
 Hossain, Shariqah N. 6
 Hotan, Gladia C. 93
 Houghton, James P. 89
 Houle Jr., David E. 37
 Hourani, Eesam A. 8
 Housego, Rachel M. 97
 Hoyle, Benjamin C. 23
 Hsiao, Allan J. 87
 Hsu, Chun Cheng 32
 Hsu, Claire C. 37
 Hsu, Grace 8
 Hsu-Rodriguez, Lia T. 16
 Hsu, Yuping 24
 Htun, Aye 8
 Huang, Alexander 37
 Huang, Catherine 16
 Huang, Ivy Y. 8
 Huang, Jiayao 14
 Huang, Jodi J. 8
 Huang, Kuan Wei 6
 Huang, Laura Y. 2
 Huang, Ruixue Louisa 37
 Huang, Shengnan 78
 Huang, Siyang 66
 Huang, Tianhao 43
 Huang, Valerie 61
 Huang, Zhengkai 18
 Hua, Yunke 50
 Huchel, Lukasz M. 78
 Hudtwalcker Rey, Franz E. 61
 Hu, Eileen 42
 Hu, Emily D. 37
 Huggins, Matthew D. 37
 Hu, Henry 8
 Hui, Henry A. 50
 Hull, Alexander W. 93
 Humphreys, Molly 8
 Hunsen, Alula T. 16
 Huntington, Parker K. 19
 Huo, Lily 14
 Husak, Tetiana 12
- Hu, Spencer 4
 Hu, Xiaodi 61
 Hu, Yile 61
 Hu, Yiwen 33
 Huyke Hernández, Sebastián A. 9
 Huynh, Johnson N. 3
 Hu, Yuanming 78
 Hwa, Christian Z. 9
 Hwang, NaNa 56
 Hypsher, Asia J. 13
- I**
- Iacob, Suzana 65
 Ibrahim, Ahmed I. 56
 Idoux, Clemence M. 87
 Igarzabal, Lucas F. 23
 Ignacio, Nicholas D. 4
 Ikhofua, Kamoya K. 37
 Imbert, Marcus 66
 Im, Joanne 67
 Indurkhy, Sagar 78
 Iqbal, Ameena M. 18
 Isabella, Christine R. 93
 Ishamuddin, Sarah H. 14
 Ismoldayeva, Assel 9
 Ivanhoe, Joshua K. 65
 Ivica, Nikola A. 93
- J**
- Jackson, Ari J. 61
 Jackson, Emily K. 93
 Jackson, Summer R. 89
 Jackson, William C. 61
 Jacobowitz, Joseph R. 93
 Jacobson-Schulte, Finnian P. 9
 Jacobucci, Cody L. 33
 Jacquot, Gregoire 29, 43
 Jaddivada, Rupamathi 78
 Jagadeesan Nair, Vineet 29
 Jagadeesh, Shikhar 9
 Jager, Emily R. 61
 Jagoe, Grace A. 31
 Jahanbakhsh, Farnaz 43
 Jain, Abhinandan 26
 Jain, Kriti 6
 Jain, Kritisha K. 50
 Jain, Vanshika P. 21
 Jaishankar, Rohan 78
 Jakhete, Shantanu S. 2
 Jakub, Lucy M. 54
 Jamal, Zain S. 56
 James, Rhett M. 61
 Jang, JunSu 26
 Jang, Soo Jung 37
 Jara Figueroa, Cristian I. 71
 Jarugumilli, Sai Priyanka 48
 Jassar, Gulsagar S. 50
 Jean-Charles, Sandy 6
 Jeewajee, Adarsh Keshav S. 37
 Jenett, Benjamin E. 71
 Jenkins, Merritt J. 61
 Jennings, Michael D. 66
 Jensen, Jonathan E. 67
 Jhaveri, Nynika 23
 Jia, Kai 43
- Jiang, Eric 9
 Jiang, Michelle 9
 Jiang, Mike Hao 26
 Jimenez, An 20
 Jin, Amy T. 14
 Jin, Di 78
 Jin, Jiejun 43
 Jin, Mumin 37
 Jin, Zeyuan 65
 Ji, Wenjie 93
 Jog, Aditya 16
 Joglekar, Natasha N. 12
 Johanna, Stacia E. 9
 Johanson, Robert T. 47, 61
 John, Brandon V. 5
 John Rathinaraj, Joshua David 33
 Johnsen, Lenna D. 25
 Johnson, Allison 50
 Johnson, Elias B. 47
 Johnson, Kevin D. 58
 Johnson, Miles R. 21
 Johnson, Thomas M. 50
 Johnston, Joseph P. 93
 Jones, Connor G. 13
 Jones, Eric J. 50
 Jones, Kailin J. 23
 Jones, Ross D. 78
 Jonikas, Trinna C. 58
 Joo, Taigyu 45
 Jorgensen, Jakob P. 19
 Jorgensen, Teis D. 50
 Jörger, Alexander Timo 78
 Joseph, Alby J. 5
 Joseph, Joan V. 54
 Joshi, Malvika R. 37
 Joshi, Yashodhan V. 50
 Josiah-Faeduwor, Ayiah 61
 Joung, Julia 78
 Joyce, Sandra M. 58
 Juan, Victoria S. 9
 Julian, Meredith H. 9, 37
 Jung, Giyoung 78
 Jung, Jaeyoung 5
 Jung, Minsu 2
 Jungsakulrujirek, Kawin 48
 Jusiega, Violetta 9
 Justice, Elon B. 54
 Jutamulia, Ivan C. 37
- K**
- Kaadan, Rania 23
 Kaashoek, Nicolaas M. 37
 Kabir, Mohammed H. 13
 Kadota, Igor 78
 Kahil, Omar 31, 61
 Kahraman, Sule 37
 Kahssay, Endrias K. 37
 Kaiser, Ashley L. 78
 Kakhbod, Ali 87
 Kaklamanis, Eleftherios 33
 Kakoko, Magreth D. 2
 Kaku, Muro 65
 Kalakuntla, Prateek R. 14
 Kalantari, Anoosheh 56

- Kalavacherla, Sandhya 18
 Kaler, Timothy F. 78
 Kalinov, Daniil 93
 Kallco, Gledis 9
 Kamau, Wakanene 26
 Kamienski, Emily A. 33
 Kamineni, Meghana 9
 Kaminski, Erez 43, 61
 Kaminsky, Corey J. 93
 Kammerer III, William J. 47
 Kane, Gabriel J. 21
 Kang, Hao 79
 Kang, Isabella L. 9, 37
 Kantz, Griffin R. 25
 Kanwar, Gurtej S. 93
 Kaphle, Arpan 9
 Kaplan, William H. 61
 Kaptagayev, Almas 56
 Kapteyn, Michael G. 79
 Karaa, Stephanie Y. 61
 Karaduman, Ömer 87
 Karnati, Sai Veda Pramoda 37
 Kassim, Nadi K. 61
 Kataria, Swati 79
 Katongo, Kapaya 38
 Kaur, Bani Amrit 27
 Kaur, Dhamanpreet 21
 Kaushik, Aayushi 61
 Kawaguchi, Kenji 79
 Kawano, Masato 50
 Kaw, Neal K. 68
 Kaya, Sami 19
 Kaza, Sridevi 3
 Kazi, Sujay S. 19
 Kebed, Mesert 38
 Kefi, Sarah 66
 Kelley, Emma R. 3
 Kelley, Tracy M. 54
 Kelly, Devin C. 25
 Kelly, Joshua B. 61
 Kelly, Nicholas F. 71
 Kendall, Thomas P. 68
 Kennedy, Joachim J. 20
 Kennedy-Moore, Sheila 2
 Kennedy, Timothy J. 61
 Kenton, Caroline E. 13
 Kent, Sean J. 38
 Kessinger, Raquel R. 67
 Khabibulin, Roman V. 56
 Khalatpour, Ali 79
 Khambete, Mihir P. 9
 Khang, Andrew J. 61
 Khan, Gohar 17
 Khan, Muska H. 61
 Khan, Sabrina Y. 14
 Kharansky, Alan 50
 Khaykin, Anders N. 5
 Khazi-Syed, Afeefah F. 14
 Khine, Min Thet 9
 Khokhar, Eliza K. 12, 66
 Khoroshilov, Anna 18
 Khoury El Aramouni, Joey 65
 Khurana, Harneet S. 79
 Khusheim, Baheirah H. 56
 Kiki-Charles, Adam V. 61
 Kilby, Matthew A. 33, 61
 Kilgore, Henry R. 93
 Killian, Daniel T. 68
 Kim, Amber Y. 25
 Kim, Andrea S. 55
 Kim, Ashley H. 38
 Kimball, William T. 68
 Kim, Beomjoon 79
 Kim, Dain 38
 Kim, Evan M. 9
 Kim, Gwang-jun 69
 Kim, Gyuna 18
 Kim, Juhyun 61
 Kim, Nahun 50
 Kim, Saemi 67
 Kim, Samuel S. 79
 Kim, Seung Kyu 61
 Kim, Seung-Soo 61
 Kim, Soomi 67
 Kim, Sunho 79
 Kimura, Keiji 50
 Kim, Yejin A. 16
 King, Jabari A. 22
 King, Ryan P. 93
 Kinugawa, Carla 56
 Kirshon, Layne D. 87
 Kiss, Andras L. 79
 Kita, Yoshiro 61
 Kitova, Vanessa 13
 Klein, Dahlia R. 93
 Klein, Melissa A. 2
 Klein, Rebecca A. 58
 Klise, Flora M. 2
 Knappe, Silvia E. 6
 Knight, Jordan F. 65
 Knowles, Milo H. 38
 Koch, Matthew J. 68
 Koch, William L. 79
 Koch, Zade J. 25
 Kodadek III, Robert E. 58
 Kodama, Elena C. 26
 Kodialam, Rohan S. 38
 Koduri, Nihal 89
 Koehler, Frederic 93
 Koenig, Benjamin C. 2
 Koeppen, Ryan 33
 Kogan, Aaron G. 19
 Komaiha, Yara M. 14
 Komiske III, Patrick T. 93
 Kommajosyla, Ravikishore 79
 Koneval, Maya A. 9
 Kong, Chi-Wei 48
 Kong, Luozheng 18
 Kong, Zhe Fredric 54
 Konjicanin, Melika 23
 Konstadt, Marissa B. 61
 Koo, Bon H. 33
 Kooperberg, Anna L. 21
 Koppineni, Akhilesh 61
 Kopp, Reed A. 79
 Kosansky, Aviva T. 48
 Ko, Seung-Hyun B. 14
 Koslow, Allison R. 87
 Kosowsky-Sachs, Alon Z. 38
 Kpeglo, Mawuli A. 13
 Kralj, Tim 38
 Krause, Andrew J. 19
 Kriezis, Anthony C. 3
 Krishnan, Yamini 79
 Kruger, Austin G. 93
 Kuang, Daniel 9
 Kudapa, Divya S. 18
 Kukreja, Neha K. 61
 Kulkarni, Chimmay S. 79
 Kumar, Aditi 51
 Kumar, Dheekshita 38
 Kumari, Lipsi 48
 Kumari, Sapna 38
 Kumar, Niranjini 48
 Kumar, Shikhar 79
 Kumar, Shyam 61
 Kummer, Mark K. 56
 Kumurbekov, Madiyar 56
 Kung, Chiayi 66
 Kung, Jason 9
 Kuppuswamy, Krishna V. 48
 Kurabayashi, Shunsuke 51
 Kusters, William M. 6
 Kutschke, Zachery W. 2
 Kwak, Seo Yeon 1
 Kweon, Hyuk Jun 93
 Kwiecinski, Jarek V. 2
- L**
 Laber-Smith, Caroline 19
 Labuzova, Tatiana 68
 LaFreniere, Kelsey 61
 Lahmann, Brandon J. 74
 Laing, Jay A. 61
 Lakew, Samra B. 25
 Lalgudi, Pranav V. 18
 Lam, Alexander 13
 Lamar, Miguel R. 21
 Lambert, Laurens J. 93
 Lam, Brandon J. 61
 Lami, Barjol 9
 Lamp, Avery 38
 Lamperski, Jourdain 89
 Lam, Stephen T. 79
 Lanchantin, Matthew S. 61
 Landez, Daniel K. 1
 Landman, Jeffrey F. 23
 Landry, Madison K. 6
 Land, Sasha E. 61
 Langenkamp, Maximillian S. 9
 La, Ngoc T. 13
 Lan, Ruoyu 24
 Lanza, Gabriela A. 61
 Lao Beyer, Lukas C. 38
 Lao, Natalie 79
 La Placa Massa, Rolando L. 93
 Large, Timothy M. 93
 La Rotta Nuñez, Pedro L. 3
 Larson, Christina L. 61
 Larson, David F. 79
 Larson, Emily L. 14
 Lathi, Maya C. 20

- Lawson, Matthew E. 71
 Lawton, Melissa 61
 Lazouski, Nikifar 45, 79
 Leach, Martin D. 58
 Leal, Justin 13
 LeBlanc, Mollie B. 51
 Ledvina, Kirby J. 31
 Ledwidge, Matthew J. 24
 Lee, Clarence Y. 23
 Lee, Dao Ming 65
 Lee, Dongjoon 13
 Lee, Dong Nyung 1
 Lee, Geunhee 25
 Lee, Guang-He 79
 Lee, HaeYeon 79
 Lee, Jae-Yong 61
 Lee, Jeffrey L. 51
 Lee, Jin Soo 33, 61
 Lee, Jue Eun 61
 Lee, Lani D. 3
 Lee, Lucy R. 6, 38
 Lee, Megan S. 61
 Lee, Michelle M. 61
 Lee, Robyn W. 32
 Lee, Sam S. 38
 Lee, Sang Uk 79
 Lee, Yin Jin 80
 Lee, Yuan 19, 38
 Leighton, Rachel E. 21
 Lei, Mengzhen 61
 Leising, Jordan M. 48
 Leist, Derek A. 61
 Leitch, Brandon 12
 Leiter, Christopher K. 56
 Le, Krystal Q. 61
 Lema, Eleane K. 18
 Lembcke Berninzon, Adriana 48
 Lemoine, Gauthier B. 32
 Leng, Junshan 26
 Leonard, McLain E. 80
 Leong, Joanne S. 26
 Leon, Jessica 61
 León Jiménez, Daniel 21
 Lerner, Tyler S. 20
 Lertrprasertpong, Jitrapon 19
 Leshchinskiy, Brandon 29, 47
 Lesperance, G. C. 3
 Le Thi Nguyet, Hang 69
 Leung, Kelvin M. 47
 Levi, Eytan M. 23, 27
 Levin, Bradley A. 9
 Levin, Danielle S. 61
 Levy, Maya M. 14
 Lew, Alexander 43
 Le, Yenthanh N. 18
 Liang, Ce 66
 Liang, Nathan T. 14
 Liang, ZhiYi 33
 Liao, Wei 43
 Liao, Yunxing 9
 Li, Beichen 43
 Li, Buxuan 33
 Li, Changxiao 66
 Li, Charles H. 93
 Lichter, Joanna I. 61
 Li, David D. 9
 Li, Dexin 22
 Liebman Pelaez, Mariana 24
 Liew, Caine X. 51
 Liew, Katherine M. 51
 Lifson, Miles T. 29, 47
 Li, Haochuan 43
 Li, Helen 38
 Li, Helen 61
 Li, Jingqiao 67
 Li, Jingxiu 66
 Li, John Z. 70
 Li, Katherine C. 61
 Li, Kevin K. 87
 Li, Liang 29, 43
 Li, Linsen 43
 Lima, Helena W. 54
 Lim, Justin K. 38
 Lim, Rosary Y. 93
 Lim, Tse Yang 89
 Lim, Yi Denise 67
 Lim, Yong Hui 9, 38
 Lincoln, Andrea I. 80
 Lind, Andrew K. 61
 Lindland, Robert K. 21
 Lindsay, Charles M. 14
 Lin, Gill 16
 Lin, Ji 43
 Lin, Jing 80
 Lin, Jing 38
 Lin, Joanna Q. 18
 Lin, John 9
 Lin, Kaishuo 67
 Lin, Kevin Z. 65
 Lin, Michael C. 71
 Linus, Cole R. 2
 Lino, Kristie 20
 Lin, Sharon T. 6
 Lin, Tzyy-Shyang 80
 Lin, Yen-Chen 43
 Li, Phoebe L. 18
 Lipshultz, Alyssa L. 61
 Li, Qing 43
 Li, Sandra 2
 Li, Shuang 43
 Li, Teng Yi 48
 Lite, Thuy-Lan V. 93
 Li, Tianyi 89
 Li, Tingyu 17
 Litt, Geoffrey K. 43
 Little IV, William T. 17
 Liu, Clare 1
 Liu, Cynthia T. 38
 Liu, Emily 9
 Liu, Ge 80
 Liu, Jessamyn 68
 Liu, Jiaxing 18
 Liu, Josie J. 61
 Liu, Justin M. 14
 Liu, Lige 43, 48
 Liu, Litian 80
 Liu, Nian 80
 Liu, Priscilla 61
 Liu, Qiuyue 9
 Liu, Renbin 9
 Liu, Sabrina 6
 Liu, Steven X. 9, 38
 Liu, Tianxiang 80
 Liu, Xinya 67
 Liu, Xinyang K. 61
 Liu, Yanhan 65
 Liu, Yingcheng 43
 Liu, Yixiang 80
 Liu, Yunpeng 94
 Liu, Yunpeng 33
 Liu, Yu Xuan 48
 Liu, Zizheng 66
 LiVolisi, Catherine A. 33
 Li, Weiyi 61
 Li, Wuyahuang 23
 Li, Xichen 66
 Li, Xuedong 51
 Li, Yanchao 25
 Li, Yau Wing 93
 Lizcano Arango, Oscar M. 56
 Li, Zhaodong 66
 Li, Zhaoqi 93
 Li, Zheng 80
 Li, Zhulin 93
 Llinás, Camilo 58
 Llopis Montserrat, Anna 61
 Lo, Andrea G. 18
 Loftis, Alexander R. 94
 Loke, Gabriel 80
 Lopez-Cot, Sebastian A. 38
 Lopez, Mario A. 5
 Louthain, Alison A. 13
 Lua, Jiong Wei 65
 Lu, Amber J. 21
 Lu, Bowen 23
 Lui, Christopher A. 43, 61
 Luizzi, Jocelyn I. 12
 Lu, Jason L. 9
 Lu, Jason 22
 Lu, Meiquan 66
 Luna, Cecilia A. 3
 Lundgard, Alan 43
 Luo, Haokuan 9
 Luo, Kara F. 38
 Luo, Rachel L. 25, 52
 Luo, Shuqi 61
 Luo, Tianyu 20
 Luo, Zhezheng 9
 Lu, Tsung-Ju J. 80
 Luu, Michael A. 47
 Luu, Trang N. 33
 Lu, Wei 54
 Lu, Yi 80
 Luzon, Oran 9
 Lyman, Ames T. 61
 Lynch III, James C. 43
 Lynch, Jayson R. 80
 Lyons, Kevin A. 38
M
 Macchiavello Cauvi, Francesca 12
 MacDonald, Thomas D. 80

- Macfarlane, Barclay D. 27
 Machaidze, Elene 9
 Machel, Stella D. 56
 Mackay, David J. 20
 Ma, Danhao 80
 Madduri Venkata, Ashoka V. 58
 Madeano, Jason 20
 Madej, Joshua F. 56
 Madera, Sabrina J. 2
 Magana-Salgado, Uriel 3
 Magaw, Charles M. 13
 Maggio, Dominic R. 13
 Magliarditi, Eric A. 47
 Magnell, Albert T. 69
 Mahaffey, Hannah K. 2
 Mahmad Rasid, Irina 80
 Mahmood, Hamad 56
 Maier, Kai P. 2
 Maier, Nolan K. 94
 Maina, David K. 25
 Maini, Anmol 12
 Majercak, Emma R. 15
 Ma, Jingwei 38
 Makar, Maggie 80
 Makatura, Liane E. 43
 Ma, Kevin S. 61
 Makikalli, Aaron R. 13
 Male, Benjamin R. 31
 Ma, Leixin 80
 Malek, Bola 69
 Malisetti, Venkata Narasimha Rao 56
 Mallek, Aaron J. 94
 Maloney, Andrew J. 80
 Maloney, Charlotte A. 2
 Malothra, Amrit 61
 Manandhar, Prakash 51
 Manasseh-Lewis, Jocasta B. 20
 Manav, Ipek Bensu 31
 Mandala, Venkata S. 94
 Mandelbaum, Scott B. 4
 Manlaibaatar, Tugsbayasgalan 38
 Mann, Jordyn L. 38
 Mansilla, Ryan H. 5
 Mantellini, Ramón A. 48
 Manuelli, Lucas 80
 Manyala, Sucharitha 51
 Mao, Hongzi 80
 Mao, Tianhui 65
 Mao, Xiao 9
 Maragh, Janille M. 80
 Marcket de la Riva, Antoni 61
 Marchuk, Alec G. 61
 Marcus, Colin R. 43
 Marcus, Jonathan B. 51
 Mardia, Rishab 32
 Mardini, Yousef N. 9
 Margain Garza, Gabriela 61
 Margolis, Gabriel B. 38
 Marin, Michael A. 61
 Marino, Roogers 48
 Marinucci, Michele 66
 Marjanovic, Nemanja 81
 Marks, Boaz J. 13
 Markson, Jeremy D. 61
 Marone, Paolo 58
 Maroti, David 27
 Marsa Gaviria, Patricia 61
 Marshburn, Tyler V. 56
 Martell, Benjamin C. 47
 Martin, Damien W. 38
 Martinez, Jose A. 4
 Martin, Henry C. 17
 Martin Leon, Albert 62
 Martin, Matthew L. 61
 Martins, Fernando M. 89
 Martynowych, Dmitro J. 94
 Marzoev, Michelle A. 43
 Mascarenhas, Nina T. 25
 Masini Ortiz, Antonella 4
 Masroor, Faraz 22
 Masselink, Benjamin P. 27
 Mastrandrea, Joseph M. 21
 Matheson, Benjamin D. 58
 Mathew, Shana 38
 Matsui, Kazutoki 66
 Matthews, Claire E. 62
 Matthey, Tim 62
 Maulick, Srijan 62
 Mawere, Lovemore 54
 Maxwell, Nathan E. 33, 35
 Ma, Yixian 66
 Maykranz, Alisondra K. 62
 Mayner, Eveline S. 13
 Mayton, Brian D. 72
 Mboya, Michelle A. 26
 McAllister, Lindsey M. 9
 McAlpin, James M. 58
 McBride, Cameron D. 81
 McCabe, Rebecca G. 4
 McCall, Andrew J. 62
 McCann, Tess D. 25
 McCarthy, Alexander J. 45
 McClenathan, Casey M. 21
 McCombs, Morgan J. 29
 McCoy, Sara Brent 25
 McDaniel, Noah J. 25
 McDaniel, Patrick C. 81
 McDonough, Kevin P. 51
 McEldrew, Michael P. 81
 McGearry, Sean E. 94
 McGeough, Catherine P. 94
 McGoldrick, Brooke C. 6, 38
 McGrath, Timothy M. 81
 McIntosh, Rachel T. 6
 McKay, Dylan M. 81
 McKenney, Joshua D. 65
 McMurry, Nina K. 87
 Medina, Mathieu D. 13
 Mehra, Akshay Y. 62
 Mehta, Gaurav 56
 Mei, Ming-Yi Jeffrey 97
 Mejorado III, David 38
 Melemed, Aaron M. 33
 Mellin, Emily M. 33, 53
 Mello, Marius 66
 Melville, Jonathan F. 94
 Memoli, Garrett 2
 Mendis, Thirimadura Charith Yasendra 81
 Meng, Christina T. 21
 Meng, Yue 31
 Meng, Zhen 81
 Meouchi Vélez, Luis Alberto 23
 Meredith, Alexandra R. 14
 Merenfeld, Ruben 9
 Meroueh, Laureen 81
 Mertes, Fabian 66
 Merzaban, Amanda S. 23
 Metodiev, Eric M. 94
 Metzman, Zachary M. 9, 38
 Meulemeester, Tim M. 56
 Michael, Madeleine R. 16
 Mickelin, Hans Emil Oscar 94
 Miculescu, David 81
 Midenylo, Charity M. 6
 Midorikawa, Hideharu 56
 Mihretie, Yosef E. 6
 Miller, Alexander C. 48
 Miller, Alex S. 6
 Miller, Christopher A. 19
 Miller, Ian M. 6
 Miller, Nicholas J. 62
 Miller, Samantha R. 9
 Milling, Lauren E. 81
 Mills, Brian T. 34, 35
 Mills, Thérèse B. 22
 Mimery, David R. 32
 Mingardi, Luca 65
 Mintzer, Gabriel L. 19
 Mirabile, Christian R. 62
 Miranda Lastra, Alejandro A. 3
 Miranda Nieves, David 81
 Mirza, Danial A. 65
 Mistry, Kshitij P. 58
 Mitchell, Adriana M. 47
 Mittal, Joohi 56
 Mittal, Vipasha 43
 Miura, Kacie K. 88
 Miyashita, Yu 51
 Mogollon Linares, Marcos A. 48
 Mohapatra, Jeet 38
 Mohr, Kathryn W. 16
 Mokel, Enuma C. 17
 Molamu, Keitumetse M. 67
 Mollica, Nathaniel R. 97
 Monarrez, Julio C. 62
 Mondragón Delgado, Mauricio 54
 Monks, Joshua S. 62
 Monroe, Jeff W. 58
 Monroy Mejía, Rafael 56
 Montanaro, Isabella M. 2
 Montante, Jacqueline M. 14
 Montero Villaseca, Jose Luis 62
 Montes, Kevin J. 94
 Montes, Manuel A. 56
 Montgomery, Meghan K. 58
 Monti, Julia C. 65
 Montoya, Natalie G. 15
 Moody, Cyanna M. 2
 Moondra, Anubhav 62
 Moon, Hye Won 94
 Moon, Hyowon 81

Moon, Jarrett S. 94
Moon, Junsang 81
Moore, Grace C. 5
Moore, Zion M. 4
Morales, Manuel A. 81
Morejon, David 38
Morenes Botin Sanz de Sautuola, Pablo T. 62
Moreno, Alexander P. 9
Moreno, Felipe I. 9, 39
Moreno Ruiz Garcia, Jose de Jesus 62
Moreno Sanchez Briseno, Mauricio 48
Moreu Gamazo, Jose M. 34
Morey, Zachariah K. 34, 62
Morgan, Ellen F. 31, 62
Morgan, Rubén G. 25, 52
Morgan, Sarah J. 47
Mor, Hila 26
Morical, Leanne E. 21
Morimoto, Yukimi 39
Morioka, Branden J. 4
Morishita, Yoshimi O. 56
Morningstar, Matthew 14
Morona, Gherardo 6
Moroze, Noah F. 39
Morrill, Summer A. 94
Morrison, Drew E. 25, 62
Morshed, Nader F. 81
Moschetta, Bruno 62
Moser, Abigail M. 12
Moser, Alex B. 9
Moslehi, Roxanne 62
Mosqueda, Ivan A. 20
Moss, Spencer B. 62
Mossyakov, Daniil 56
Motes, Brandon T. 5
Mouhai, Marjon H. 94
Mourenza González, Guillermo 62
Moussapour, Roya M. 55
Moussa, Zaina L. 15
Movahedi, Parisa 62
Mowry, Andrew M. 30
Muço, Manushaqe 26
Muehlschlegel, Jochen D. 58
Mueller, Helen S. 94
Mueller, Michelle 25
Muguiria Iturralde, José A. 9
Mukherjee, Srijon 19
Mulla Mahmoud, Talal 74
Muniyappa, Prathima 26
Muñoz Abreu, Nelson D. 51
Muquit, Siam T. 18
Murad, Maya E. 51
Murmann, Lukas 81
Murphy III, Thomas J. 47
Murphy, John R. 39
Murphy, Killian 62
Murphy, Melissa E. 56
Murray, Angela M. 47, 62
Murray, Elizabeth K. 39
Murthy, Nikhil 9, 39
Murzynowski, Philip J. 6
Musselwhite, Steven A. 34, 53
Mustafa, Tammam 9

Mustafi, Urmi 39
Muthuswamy, Pradeep 56
Myers, Jenna E. 89
Myers, Paul D. 81
N
Nabahe, Sade K. 30
Nachin, Mergen 39
Nadeem, Faraaz 39
Nadeem, Moin 39
Nadhamuni, Kaveri 9, 39
Nagda, Bhavik 9
Nahleh, Mohamad H. 24
Naik, Richa Ramesh 29
Naito, Kunihiko 62
Nambrath, Anjali I. 19
Napp, John C. 94
Naranjo, Santiago J. 94
Narayanan, Shyam S. 44
Nasr, Maya 47
Nastos, Matthew R. 56
Navalkha, Chenab A. 25
Navarro Reyes, Alejandra M. 3
Navarro Salazar, Evelyn S. 13
Naveira, Alberto J. 15
Nawab, Aditya K. 58
Nayakanti, Nigamaa 81
Nazare, Juliana T. 72
Ndakwah, Gabrielle S. 15
Neeser, Alexandra 15
Neidlinger II, Robert L. 58
Nelson-Arzuaga, Chloe A. 4
Nelson, Katharine I. 9
Nelson Levy Sr., Yochanan 56
Nelson, Paul M. 58
Nelson, Rebecca H. 21
Nelson, Zachary P. 94
Nepsky, Patrick A. 44, 51
Netland, Edward R. 62
Neufeldt, Claudius C. 62
Neuman, Sabrina M. 81
Nevins, Catherine P. 62
Ng, Ayesha 18
Ng, Elaine 5
Nguyen, Athena N. 15
Nguyen, Benjamin 13
Nguyen, Edward Q. 39
Nguyen, Erin-Nhu-Chan 45
Nguyen, Golda M. 47
Nguyen, Hieu T. 9
Nguyen, Karen 9
Nguyễn, Long P. 39
Nguyen, Nhat T. 62
Nguyen, Nhat V. 9
Nguyen, Sam D. 39
Nguyen, Tam B. 15
Nichani, Eshaan 39
Nicholas, John C. 65
Nicholas, Sara K. 9
Nickles, Alexander R. 47, 62
Nie, Gege 67
Nigrin, Maya G. 9
Nikicio, Ajie N. 51
Ning, Ke 51

Ni, Ruichen 25, 27
Nissenbaum, Lucas 81
Ni, Susan 6
Niu, Emily 4
Niu, Nelson S. 22
Noble, Caleb B. 6
Noble, Connery 51
Noel, Grace H. 45
Nogueira, Inês M. 62
Noh, Joyce 4
Nolan, Katie C. 62
Nolan, Rebecca A. 49
Nonet, Timothy A. 65
Nord, Claire M. 39
Noronha, Salathiel T. 62
Northcutt, Curtis G. 81
Nothias, Antoine P. 66
Nouvel, Flore A. 62
Novoa Arroyo, Diego Eduardo 62
Noyman, Roni 58
Ntowe-Fankam, Koumani W. 15
Nunez Riva, Elvira 62
Nwachukwu, Tochi 51
Nwana, Tema B. 12
Nwodoh, Obiageli W. 19
Nze Ndong, David A. 66
O
Obermaier, Elizabeth A. 17
Obidin, Nikita 26
Obisesan, Adunoluwa O. 13
O'Boyle, Duncan A. 34
Ocejo Elizondo, Clemente 9
O'Connell, Christopher A. 62
O'Connell, Joseph W. 34, 35
O'Connor, Diana S. 58
O'Connor, Joe C. 9
Odegard, Kirsten C. 58
Odell, Rachel E. 88
Odigie, Kings 9
Oestreich, Charles E. 47
Ogata, Tatum M. 9
Ogunde, Oluwaseun E. 19
Oguntade, Quadri A. 62
Ogunyomi, Gbemisola 58
O'Hara, Robert T. 58
Oh, Lauren D. 10
Oikarinen, Tuomas P. 10
Okine, Akwetey K. 16
Ok, Kyel 81
Okumko, Candace B. 39
Oladipo, Yesufu G. 24
Olender, Max L. 81
Olin, Annauk D. 54
Olivas-Holguin, Hidai 10
Oliveira, Victor C. 5
Olphie, Amanda F. 14
Olson, Danielle M. 82
Olson, Erin K. 88
Olssen, Alexander L. 88
Omotunde, Olutimilehin O. 6
Oneci, Codrin P. 14
O'Neill, Brendan W. 70
O'Neill, Cormac 34

- Ong, Bryan Wen Xi 24, 31
 Onggo, Sharon E. 18
 Ong, Jing Kai 54
 Onotu, Philip O. 62
 Onyeador, Chelsea N. 47
 Onyemelukwe, David I. 4
 Orfanoudaki, Agni 89
 Orguc, Sirma 82
 Orji, Andrea O. 13
 O'Rourke, Emily A. 18
 Orozco, Jose M. 94
 Ortega Pérez, Carolina 21
 Ortiz, Baltazar G. 39
 Ortiz-Lampier, Pablo José 82
 Oru, Ena 62
 Oseguera Zapata, Bernardo O. 54
 O'Shea, Ryan E. 97
 Oshiobugie, Roberta 56
 Osman, Abdalla O. 3
 Osofsky, Anna R. 21
 Osterude Rey, Richard A. 5
 Ostrow, Matthew L. 62
 Osubor, Isioma 4
 Osuna, Jaime N. 1
 Otremba Jr., Stephen E. 10
 Oufattolle, Nassim 10
 Ou, Shi Chao 51
 Ovitigala, Nisal H. 3
 Owens-Flores, Gabriel G. 14
- P**
- Pabla, Simran K. 39
 Pace, Danielle F. 82
 Padilla, Joushua G. 3
 Padilla Sada, Catalina 62
 Padron, Scott B. 14
 Paik, Adelynn H. 2
 Paine, James E. 68
 Pakatchi Shotorbannejad, Hamed 94
 Palacios, Sebastian 82
 Palida, Ali F. 88
 Palmer, Ian A. 39
 Panda, Durga Harini 62
 Pande, Aparna 62
 Pandit, Bibek K. 19
 Panelati, Martin N. 62
 Pang, Edward L. 82
 Pang, Jason Y. 49
 Pan, Long Bin 45, 62
 Panyam, Amulya 62
 Papa, Anthony J. 34, 62
 Pape, Nicholas V. 21
 Paredes Avendano, Gustavo D. 62
 Park, Charine 62
 Park, Cho Hae 27
 Park, Do Yeon 66
 Parker, Darren J. 94
 Park, Joon Young R. 82
 Park, Seungweon 20
 Park, So Young M. 34, 62
 Park, Sun Jung 27
 Park, YeonHwan 10
 Parllaku, Fjona 6
 Parsons, James V. 18
 Partington, Benjamin F. 51
 Pasko, Evan T. 14
 Passanha Sobral Morais Leitao, Maria Teresa 62
 Pataranutaporn, Pat 26
 Patel, Arnav Y. 3
 Patel, Joshen P. 4
 Patel, Kavita S. 62
 Patel, Shwetark 10
 Patil, Vishal P. 94
 Patkar, Abhishek 34
 Pauley, Samantha E. 16
 Paul, Jadorian J. 4
 Paul, Roger L. 54
 Pauls, Noah M. 6
 Pawar, Purushottam 58
 Pay, Wen Hong Kenneth 29
 Paz-Ares , Andrés 62
 Pearce, Kate M. 12
 Pearson, Ashley N. 15
 Peasah, Abena D. 15
 Pedroni, David V. 31, 62
 Pelecanos, Angelos 10
 Pelegrin, Lucas D. 65
 Pelletier, James F. 94
 Peluso, Nina C. 30
 Peñafiel Prohens, Nicolás A. 62
 Penagos Celis, Fiorella J. 62
 Pena Jr., Jose M. 16
 Peña, Michael A. 20
 Pence, Eric J. 6
 Pendse, Neil Sanjay 65
 Peng, Junyao 21
 Peng, Lisa R. 6
 Pennington, James T. 51
 Peraire-Bueno, James A. 47
 Perez, Brandon A. 6
 Perez, Justin C. 10
 Perez-Lopez, Áron Ricardo 10
 Perez, Manuel F. 16
 Perk, Sena 49
 Perovich, Laura J. 72
 Perry, Chandler L. 62
 Perry, Daniel 10
 Perry, Scott E. 10
 Persad, Ashisha N. 39
 Petersen, Kate S. 54
 Petri Castro, Mikel 88
 Pfeiffer, Emma B. 23
 Phadnis, Vrushank S. 82
 Pham, Monica V. 48
 Pham, Tuyet K. 10
 Phatak, Anupama 3
 Philips, James Y. 5
 Phillips, Amber 45
 Phillips, Jacob D. 10
 Phillips, Kade L. 39
 Phillips, Rosalie C. 4
 Phrom-anant, Supanut 62
 Phu, Melody K. 10
 Phung, Calvin 10
 Piao, Jingjing 65
 Piavsky, Felix 34
 Pickering, Michael V. 51
 Piechnik, Daniel 49
 Pierce, Matthew C. 62
 Piercy, Phoebe K. 39
 Pietrobom, Francine C. 62
 Pijai, Ryan 62
 Pineda, Francisco A. 4
 Pineda, Sergio S. 44
 Pineda, Stefano 34
 Pinilla Bustamante, José F. 54
 Pipitone, Vanessa T. 1
 Piterbarg, Ulyana 22
 Pitfield, John H. 62
 Ploszczuk, Lukasz 49
 Plumb, William H. 27
 Poe, Daniel P. 47
 Poghosyan, Edward 66
 Ponnappati, Raghava Manvitha Reddy 28
 Ponomarenko, Anna 94
 Poon, Elim D. 4
 Poon, Ryan J. 34
 Popov, Anton 88
 Porteous, Richard J. 56
 Porter, Allison P. 47
 Porter, Erik J. 19
 Pott, Henry 56
 Pouliot, Alexandria C. 18
 Powell, Logan 58
 Powell, Stuart D. 5
 Pradon, Cassandre V. 47
 Prakash, Shabda 56
 Pramanik, Debaditya 19
 Pranich, Chanya 62
 Praninkas, Gailius 54
 Prasad, Neeraj 10
 Prasad, Neha 39
 Pratama, Yudha Okky 62
 Prater, Grant C. 10
 Prendergast, Stephen G. 31
 Prentice IV, Samuel J. 82
 Previero, Alessandro 65
 Price, Magdalena A. 10
 Pridemore, Kelsey J. 63
 Priest, Jason T. 10
 Privitera, Paolo 58
 Procter, Danielle E. 49
 Prome, Maisha M. 15
 Provaznik II, Daniel W. 30
 Ptak, Fabian L. 49
 Pugatch, Ryan A. 58
 Purevdorj, Namuun 49
 Pusapaty, Sai Sameer 10
 Pushpanathan, Monisha 51
 Pu, Xijin 66
- Q**
- Qian, Elizabeth Y. 82
 Qian, Eric D. 10
 Qian, Qihui 82
 Qian, Vivian 10
 Qian, Yili 82
 Qi, Luke 5
 Qi, Qi 10, 39
 Qiu, Jack Y. 44
 Qiu, Lawrence Y. 12

Qiu, Yu 31
Quaratiello, Grace A. 6
Quarmby, Thomas E. 56
Quartararo, Anthony J. 94
Quigley, James E. 5
Quraishi, Sarah A. 17

R

Ragazzoni Rodrigues, Ana Carolina 63
Raghavan, Ravi R. 16
Rahamim, Isaac 63
Rahill, Daniel F. 51
Rahman, Ravi 39
Raicevic, Nikola 21
Raines IV, John N. 63
Raison, Louis F. 65
Rajagopal, Ellery M. 21
Rajappan, Anoop 74
Raja, Sharan 29
Rakocevic, Lara I. 39
Ramakrishnan, Rahul 5
Raman, Smrithi 15
Ramchander, Krithika 82
Ramirez, Aaron E. 82
Ramirez Cassagne, Pierre-Henri 65
Ramirez, Gabriel L. 10, 39
Ramirez, Roberto A. 6
Ramos Alvarez, José L. 63
Ramos, Azucena 95
Ramseyer, Ryan W. 30, 44
Ram, Soumya P. 10, 39
Ranganathan, Noopur 18
Ranjram, Mike K. 82
Ran, Ziyu 25
Rao, Sujit K. 44
Rapanà, Alessandro 63
Rappaport, Gabrielle 65
Rathmell, James P. 58
Raven, Max M. 3
Raventos, Jose 63
Ravinder, Divya 48
Ravi Shankar, Manasvini 63
Rawat, Saumya 10
Rawden, Katherine S. 31, 63
Ray, Tyler D. 4
Read, Benjamin J. 82
Rebai, Rihab 65
Rebei, Rima 4
Reda, Michal N. 10
Reddy, Nikhil R. 21
Reddy, Sushrutha P. 39
Redfield, Margaret A. 22
Redmond, Robert L. 6
Redondo González, Gisela M. 20
Reed, David C. 26
Reerink, Tommie M. 21
Rege, Sarah E. 25
Rehan, Saad B. 49
Reifs Schneider, Rostam M. 4
Reilly, Daniel R. 34, 63
Reilly, Liana H. 10
Reilly, Nolan M. 22
Reilly, Sonia M. 22
Reinhart, Alexandra M. 4

Reinstadler, Bryn M. 44
Reis Moreira, Alexandre S. 57
Ren, Qiuyu 21
Reyes Castillo, Maria F. 49
Reyes Espinoza, Victor M. 10
Reyna, Andres E. 19
Rezendes, Nicholas C. 63
Rhim, Jeemin H. 95
Rho, Saeyoung 30, 44
Richards, Ella V. 5
Richardson, Yaateh H. 39
Rich, Emma G. 63
Rickeman, Elizabeth M. 4
Rickmann, Georg A. 89
Rico, Catalina K. 34
Riddle, Hiram S. 63
Riddle, Margaret G. 63
Rieping, Holly A. 10
Riley, Katherine L. 63
Riso, Robert M. 63
Rivera, Elijah E. 39
Rivera Jr., Marco A. 10
Roberts, Anya B. 82
Roberts, Emma G. 25
Roberts, Thomas G. 30, 47
Roberts, Zachary T. 2
Robinson, Joseph B. 51
Robles, Aaron 17
Roche, Jules M. 66
Rodarte, Rolando 3
Rodrigues, João F. 58
Rodríguez, Alexandra C. 2
Rodriguez, Andrew S. 34, 63
Rodriguez, Benjamin 4
Rodriguez, Danielle-Joy A. 13
Rodriguez, Erick 5
Rodriguez Mora, Luis A. 57
Rodriguez, Osvy 5
Rodriguez Sanchez, Maria Candelaria 63
Rodriguez Sanchez, Pablo 63
Rogers, Lin S. 18
Rohatgi, Dhruv W. 22
Rohatgi, Urvi 66
Roley, Andrew 34, 53
Rolin Carvalho, Dayanne 18
Rolland, Ethan S. 14
Roll, Christopher D. 47
Rollins, Caleb M. 22
Romero, Cipriano W. 44
Romero Gómez, Alejandro 63
Ronchi, Maria R. 35
Rontogiannis, Aristofanis 10
Root, Alexander J. 10
Rose, James W. 49
Rosenberger, Virginia A. 20
Rosenberg, Ethan R. 82
Rose, Patrick E. 63
Ross Hvejsel, Casper Gram 58
Rothbacher, Nicolas S. 30, 44
Rouditchenko, Andrew 39
Rousseau-Rizzi, Raphaël 95
Roy, Michelle C. 49
Ruckdaschel, James D. 51
Rugina, Ileana 39

Ruh, Paul 12
Rukambeiya, Violet K. 63
Rule, Joshua S. 95
Rulien, John D. 57
Russell, Benjamin D. 32
Rustom, Rami M. 10
Ryan, Frank M. 30
Ryan, Patrick J. 12

S

Saat, Berke 6
Saathoff, Erik K. 44
Sabiti, Emmanuel S. 58
Sacks, Brittany L. 4
Sadikin, Natasha 27
Sakr, Omar M. 49
Salahuddin, Nadia 7
Salamatian, Salman 82
Salas Del Valle, Luis 57
Salas Infante, Alonso 10
Saldivar, Michael G. 21
Salim Lew, Tedrick T. 82
Salinas, Nicholas A. 10
Salisbury, Alexander J. 3
Saltzman, Audrey 19
Salutz, Amelia C. 63
Samach, Gabriel O. 44
Sample, Jennifer L. 58
Samuelsson, John G. 82
Sanchez, Alana R. 19
Sanchez, Benjamin C. 52
Sander, Ryan M. 39
Sádorová, Andrea 63
Sands, Joanna M. 40
Sands, Margaret E. 40
Sangster, William J. 57
Sankar, Venkat 12
Santana, Jordan T. 19
Santiago-Perez, Nestor 10
Santillan Fausto, Jason G. 4
Santos Cantu, Andres 63
Santos, Francisco E. 63
Sappenfield, Samantha A. 10
Saqib, Nazmus 72
Saraf, Sumit 57
Saragih, Austin I. 49
Sarawgi, Utkarsh 28
Sarbo, Mikkel I. 57
Sargent, David M. 7
Sathitwitayakul, Thanasak 95
Sattar, Nasr F. 57
Sauter, Leora R. 49
Saveski, Martin 72
Sawettamalya, Pachara 21
Sawhney, Vipul 57
Sawyer, Courtney B. 15
Sayeed, Sabrina 63
Schaeffer, Zayla D. 45
Scharf, Jeremy V. 63
Schaufenbuel, Olivia H. 49
Schebler, Renee E. 14
Schillinger, Christian C. 4
Schlessinger, Joseph C. 30
Schmedeman, Phillip D. 51

- Schmid, Carlo P. 63
 Schneider, Alexis M. 15
 Schneider, Gabriel J. 40
 Schoder, Michael T. 34, 63
 Schoen, Alizée 10
 Schoeppner, Tyler J. 26
 Schoultz, Tyler M. 10
 Schroeder, Madeleine R. 47
 Schwarting, Wilko 82
 Schwartz, Noa L. 10
 Schwendenman, Amy K. 49
 Scimeme, Gabriel M. 4
 Sclarasic, Sarah M. 28
 Scott, Alexander L. 34, 53
 Scott, Justin R. 68
 Scutari, Alessandro 49
 Sears, Darien A. 51, 53
 Seby, Jean-Baptiste 30, 44
 Sedan Mora, Daniel A. 63
 Seelam, Natasha 82
 Sefah, Ebenezer 40
 Séguin, Azzo F. 16
 Sehmi, Navroop S. 57
 Seibel, Jason L. 10
 Selby, Allison J. 27
 Selby, Jaclyn S. 58
 Sendek, Nikodimos Z. 10
 Senger, Andrew 95
 Seremet, Vlad 10
 Serio, Allison N. 10
 Serrano Flores, Jean C. 82
 Serrato Marks, Gabriela 97
 Sethuraman, Karunya A. 40
 Sevigny, Tao 14
 Sevimli, Yunuscan 63
 Seymour, Bradley A. 5
 Seymour, Linda M. 83
 Shabbir, Aleena 17
 Shaffeeullah, Fawaaz A. 14
 Shafiuallah, Nur Muhammad 40
 Shah, Abhin S. 44
 Shahid, Maryam 30, 44
 Shahid, Tooba 15
 Shahin, Mohammad 48
 Shah, Karan 63
 Shah, Riana 63
 Shah, Rushina J. 83
 Shah, Vaibhavi B. 15
 Shaikh, Ayesha U. 24
 Shamshery, Pukkit 63
 Shanbhag, Anil A. 83
 Shaoul, Yorai 7
 Shao, Yanjie 44
 Shao, Yu 25
 Sharif, Du'aa H. 7
 Sharma, Chetan 40
 Sharma, Mansi 63
 Sharma, Nidhi 63
 Sharma, Siddharth A. 45
 Sharma, Tanvi 25
 Shaw, Taylor E. 12
 Sheen, Daniel B. 40
 Shehu, Elvis 51
 Shekar, Priyanka 57
 Shelly, J L. 18
 Shen, Dennis 83
 Shen, Dory 10
 Shen, Jocelyn J. 10
 Shen, Kevin X. 30, 52
 Shen, Max W. 83
 Shen, Pin-Chun 83
 Shen, Shen 83
 Shepard, Keithen E. 10
 Sheppard, Anna M. 63
 Sheridan, Kristin M. 40
 Sherman, Benjamin M. 83
 Shestopalov, Ivan 16
 Shetty, Anesh 63
 Shi, Belinda 10
 Shi, Jennifer T. 63
 Shi, Jessica W. 21
 Shi, Jiaojian 95
 Shi, Jingnan 47
 Shikdar, Tafzia S. 5
 Shim, Amy Y. 16
 Shin, Jennifer 63
 Shin, Tay 26
 Shiozawa, Kaymie S. 34
 Shirasaka, Yohei 57
 Shi, Yafei 66
 Shi, Zhe 83
 Shkedi Maor, Dar 63
 Shkreli, Daniel R. 10
 Shonkwiler, Lara E. 5
 Shorter, Matthew J. 47
 Shrestha, Swochchhanda 3
 Shrinivas, Krishna 45, 83
 Shroff, Rishi Raj 57
 Shukla, Ananya 63
 Shukla, Sanjana 17
 Shumikhin, Michael A. 40
 Siabi, Yao E. 7
 Siah, Kien Wei 83
 Siemann, Alexander E. 34
 Silberman, Rebecca E. 95
 Silva, Renee T. 10
 Silvestri, Robert S. 3
 Silwal, Sandeep B. 44
 Simbotwe, Chiti M. 10
 Simeon, Quilee 20
 Simonaitis, John W. 44
 Simon, Jacob C. 83
 Simonovikj, Sanja 40
 Simonson, Ellie L. 40
 Simons, Philipp 83
 Simpson, Aidan M. 15
 Sinclair, Timothy S. 95
 Sindato, Victor P. 7
 Singh, Aaditya K. 10, 40
 Singh, Abhijeet 49
 Singh, Abhishek 26
 Singh, Nikhil M. 7
 Singh, Ankita 34, 63
 Singh, Anuraag 51
 Singh, Manish 44
 Singh, Nikhil U. 28
 Singh, Robin 83
 Singhvi, Divya 89
 Singhvi, Somya 89
 Sinha, Deeksha 89
 Sinha, Varnika 10
 Sircar, Jay D. 83
 Sirisena, Chantal N. 63
 Siswanto, Arlene E. 40
 Skilling, Emily I. 3
 Sladecek, Scott M. 49
 Sledzieski, Samuel R. 44
 Sleeper, Dylan T. 10
 Sleight, Carmen M. 3
 Smicka, Daniel 27
 Smith, Charles C. 63
 Smith, Christian E. 63
 Smith, Erin E. 30
 Smithers Jr., Michael L. 63
 Smith-Lin, Lauren 63
 Smith, Miana M. 4
 Smith, Rachel S. 72
 Smith, Shannyn A. 58
 Smith, Tanya N. 40
 Smith, Thomas L. 51
 Snelgrove, Eric 58
 Snowdon, Jack W. 10
 Socolov, Alexandru 65
 Soh, Wan Yuan Beatrice 83
 Soice, Emily H. 18
 Sokol, Julia A. 83
 Soledad, Antoni A. 4
 Solis, Jesus A. 10
 Solórzano, Ena L. 63
 Solotar, Lindsay J. 63
 Sondakh, David R. 57
 Song, Boya 95
 Song, Dogyoон 83
 Song, Hyun Ho 83
 Song, Jungki 83
 Song, Sharlene 17
 Songvisit, Kwannpat 63
 Song, Wenzhu 66
 Son, Minjung 95
 Sorel, Kelly A. 49
 Sorensen, Caroline 83
 Sorenson, Andrew M. 5
 Sorenson, Taylor 40
 Sorto, Tracy D. 1
 Sosa Machado, Ricardo H. 63
 Sotiraki, Aikaterini 83
 Sotiropoulos, Filippos E. 83
 Sottilare, Katherine M. 18
 Southerland, Sarah J. 34
 Souza, Garrett M. 40
 Soybel, Jamison S. 34, 63
 Spadine, Carolyn R. 88
 Spanbauer, Span 83
 Spear, Phoebe 12
 Spector, Sarah O. 7
 Sphabmixay, Pierre 83
 Spiekermann, Kevin A. 45
 Sridhar, Varsha R. 4
 Srinivasan, Aditi H. 40
 Srinivasan, Anand 21
 Srinivasan, Ashwin 10
 Srinivasan, Shreyas V. 22

Srinivas, Nirmal 57
Srivastava, Megha 63
Stack, Daniel C. 84
Stadler, Martina K. 47
Stallone, Matthew J. 7
Stalter, Hayden W. 4
Stansfield, Stephan T. 34
Stapelberg, Myles G. 15
Stathas, Nickolas 7, 40
Stayton, Erik L. 88
Steele, Kristopher S. 25, 27
Stefanakis, George 10
Stegmann, Christian M. 58
Stein, Abigail J. 19
Stein, Carolyn S. 88
Stein, Daniel J. 15
Stein, David B. 40
Steindl, Riley M. 34
Stemberg, Isabelle C. 63
Stephens, Peter E. 57
Stewart, Alexander M. 21
Stewart, Eric M. 34
Stewart, Natalie N. 22
Stimpson, Blake E. 49
Stinnett, Aaron D. 52
Stinson, Teresa H. 58
Stolz, Matthias 49
Stone, Seneca 58
Stopfer, Lauren E. 84
Stott, Ryan T. 95
St. Pé, Luke O. 66
Strachan, John B. 17
Strand, Erik S. 26
Stratouly, Alexandra H. 27
Suarez, Eugenio G. 63
Suarez Moreno, Juan D. 49
Suazo, Mathew J. 5
Subramanian, Deepak A. 45
Sugarman, Michael P. 55
Suh, Carolyn E. 69
Su, Isabelle W. 84
Sulemana, Abdul-Razak 88
Sulitzer, Edward 66
Sullivan, Margaret E. 3
Sun, Fan-Keng 44
Sun, Jian 68
Sun, Liyang 88
Sun, Mengyuan 40
Sun, Rui 73
Sun, Shiyao 31
Sun, Tao 44, 52
Sun, Yingying 63
Sun, Yuchen 95
Suo, Dajiang 84
Supcharoenkul, Charoensup 63
Sureka, Hursh V. 84
Suwara, Piotr 95
Suzuki, Teppei 35
Svensson, Geoffrey K. 47
Sweeney, Connor J. 15
Swirlyn, Jeffrey 57
Swisher, Mathew M. 84
Switzer, George J. 58
Syed, Alex 58

Sykes, Nyle A. 11
Symonds, Alexandria N. 54
Szep, Andras J. 65
T
Tabja, Ignacio S. 63
Tada, Kazuhiro 57
Tagle Silva, Alfredo 63
Tagoe, Jonathan N. 3
Taiyeb, Amr M. 49
Takagi, Ryuji 95
Talak, Rajat 84
Talkar, Arman J. 40
Tam, Allison C. 40
Tan, Aik Jun 44, 63
Tang, Casey 24
Tang, Jason J. 17
Tang, Junming 57
Tang Liwen, Nicole 24
Tang, Michael S. 21
Tangri, Kunal 40
Tangsathapornpanich, Nitchakorn 52
Tang, Tzu-Chieh 84
Tang, Yang 58
Tan, Li-Jie 63
Tan, Michelle 40
Tan, Miller 18
Tan, Rui Yin 49
Tan, Shin Bin 72
Tan, Tzer Han 95
Tao, Wenbo 84
Tappa, Jordan L. 4
Tasnim, Farita 28
Tatar, Kaya 95
Tauscher, Lauren M. 63
Taylor, Afura N. 19
Taylor, James C. 58
Taymuree, Zainab F. 24
Tazi Bouardi, Mohamed Hamza 65
Teevens, Andromeda L. 7
Tejwani, Ravi 28
Tekant, Melis 95
Tekleab, Yonatan 84
Tell, Max R. 11
Tenka, Samuel C. 44
Tenwhij, Hantoa 22
Terando, Riley K. 4
Terán Espinoza, Antonio 84
Terrasa Jr., Gabriel A. 4
Ter-Saakov, Natalya 21
Thakur, Ishani A. 11
Thamvorapon, Suchawut 63
Thapa, Sachin 3
Theimer, Alex 11
Thekkupadam Narayanan, Nithin 52
Theng, Mark 7
Thigpen, Andrew C. 27
Thomas, Aditya 52
Thompson, Rory S. 7
Thompson, Trevor J. 34, 64
Thomsen, Max T. 4
Thomson, Kyle J. 31
Thurman, Dakota H. 17
Thurman, Lydia S. 44, 64

Tian, Lia 15
Tian, Yi 44
Tian, Yunsheng 44
Tibrewal, Prashant 57
Timirgalieva, Olga 64
Toeldte, Tatjana 34, 64
Toledo Polis, Diego R. 64
Tolman, Elizabeth A. 95
Top, Furkan 95
Torgesen, Andrew J. 47
Torous, William G. 22
Torres Arpi Acero, Arturo 49
Torres, Lynced A. 23
Tracy, Ian P. 84
Traficante, Daniel M. 72
Trairatvorakul, Traiwat 64
Tran, Andison T. 13
Tran, Felix 11
Tran, Gary C. 25
Tran, Jimmy T. 3
Tran, Nhan T. 58
Tran, Sunny 11
Tran, Tho 40
Trautman, Leilani A. 7
Tresansky, Anne J. 84
Trevathan, Michael T. 52
Trewn, Henna K. 64
Triassi, Alexander J. 84
Tripathi, Prabhakar 52
Trivedi, Mihir Y. 7
Trollbeck, August 7
Troupe, Anthony T. 3
Tsai, Erica Y. 95
Tsang, Andrew 52
Tsao, Anne S. 58
Tsedev, Uyanga 84
Tseng, Brian C. 11
Tseng, Sabrina 7
Tseng, Thomas 44
Tso, Andy 40
Tso, Elizabeth J. 21
Tso, Georgette L. 31
Tsoucalas, Constantinos 2
Tsou, Chih Jui 7
Tsuge, Daisuke 64
Tubthong, Chanita 19
Tucker, Wynn O. 64
Tuel, Alexandre 84
Tukiman, Jonathan F. 65
Tung, Matthew C. 40
Turhan, Irmak & 72
Turner, Andrew P. 95
Turner, Matthew J. 11
Turner, Paxton M. 95
U
Ubellacker, Samuel L. 40
Udomlumleart, Tee 12
Ujwal, ML 52
Ukuku, Ogbogu D. 52, 64
Ukyab, Tenzin S. 40
Ulama, Darryle K. 25
Urann, Benjamin M. 97
Uribe, Sebastian L. 4

Urness, David G. 64
Urvantsev III, Viktor V. 11
Usta, Nazli E. 52
Utsumi, Yuria 11
Uvegi, Hugo J. 84
Uwagwu, Awele B. 13
Uyehara, Elise A. 44

V

Vaidya, Durgesh S. 58
Vaidya, Kapil E. 44
Vainberg, Avital 1
Valentino, Cosmo 49
Valladares, Nancy D. 24
Van Heyningen, Robert L. 29
Van Nostrand, Stephen C. 48
Vargas Manriquez, Aline A. 4
Varner, Hannah M. 34
Varner, Jessica A. 72
Vasconcelos Bettencourt Teixeira Queirós, Pedro 31, 64
Vasquez, Vincent V. 13
Vázquez Martínez, Héctor J. 40
Velarde Morales, José I. 40
Velasquez Falconi, Diego F. 64
Velazco, Manuel 28
Velez-Ginorio, Joey 69
Velingker, Yogeshwar A. 22
Venanzi, Nicholas R. 19
Ventres-Pake, Cory E. 52
Verdejo, Joshua 7, 40
Vergara Oyaga, Carolina 64
Verma, Rohit 41
Vermeulen, Sidney Y. 15
Vicente Blázquez, Belén 64
Videva Dufresne, Valentina N. 58
Viera, Julian T. 7
Vigil, Shane J. 47, 64
Vijayaraghavan, Prashanth 72
Vijayvargia, Megha 64
Vila Verdaguer, Jordi 64
Villalobos, Pablo X. 11
Villanyi, Agnes 7
Villaverde, Zachary 13
Vinakollu, Nagashumrith V. 32
Vishwabhan, Stuti 41
Visosky, Daniel J. 52
Vita, Gherardo 95
Vivatsethachai, Suchan 41
Vogel, Leah M. 4
Volgovsky, Hagay C. 68
Vongasemjit, Orniphra 49
Voo, Brandon T. 31
Vorbach, Charles J. 11
Vo, Summer Y. 11
Vrablic, Mark E. 41
Vu, Sarah T. 11
Vu, Thuy Anh 57

W

Wada, Satoshi 57
Waddle, Marisa C. 23
Waft, Catherine G. 4
Wagman, Kelly B. 55
Wagner, Julia N. 11

Wagner, Mary Elizabeth 74
Wagner, Tal 84
Wahid, Miriam I. 1
Wahl, Anna L. 14
Wah, Sebastian X. 4
Wainwright, Zachary C. 64
Waitz, Ava W. 5
Waldvogel, Megan C. 64
Walker, Benjamin E. 25
Wallace, Christopher M. 57
Wallace, Elizabeth J. 97
Wallace, Michael A. 41
Waller, Alexandra L. 24
Walsh, Sam H. 64
Walter, Sandra L. 34
Wanderley Furquim Werneck, Pedro 64
Wang, Alex J. 84
Wang, Allen M. 48
Wang, Allison B. 13
Wang, Ashley Q. 12
Wang, Audrey R. 11
Wang, Benjamin X. 95
Wang, Brandon L. 41
Wang, Charles 5
Wang, Christopher Z. 41
Wang, Crystal 41
Wang, Dongfang 66
Wang, Donghao 95
Wang, Fan Francis 7
Wang, Fuyixue 84
Wang, Haozhe 84
Wang, Harrison K. 18
Wang, Ivy W. 64
Wang, Jennifer L. 11
Wang, Jessica C. 4
Wang, Jiewen 65
Wang, Jingwen 66
Wang, Jonathan M. 11
Wang, Julia J. 11
Wang, Kathleen J. 69
Wang, Li 89
Wang, Lucy 11
Wang, Mengyi 35
Wang, Mike M. 41
Wang, Nathan C. 11
Wang, Patrick T. 11
Wang-Polendo, Bianca E. 21
Wang, Qing Yi 52
Wang, Richard 11
Wang, Sarah J. 21
Wang, Shuwen 66
Wang, Taoyuan 66
Wang, Thomas 15
Wang, Tony T. 41
Wang, Wenhao 4
Wang, Xiaoyi 41
Wang, Xiqing 4
Wang, Xue 64
Wang, Xuntuo N. 84
Wang, Yang 32
Wang, Yanni 11
Wang, Yifei 68
Wang, Yongji 85
Wang, Yucun 67
Wang, Yuehan 25, 28
Wang, Yue 44
Wang, Zhenshu 85
Wan, I-Ting 64
Wan, Noel H. 84
Wan, Stefan 13
Wanyeki, Babuabel M. 7
Ward, George 68
Warner, Alexander T. 64
Warner, Anne P. 64
Warren, Christina E. 16
Watanabe, Chiharu C. 2
Watson, Thomas D. 7
Waugh, Desiree S. 65
Webb, Claire I. 88
Webb, Rachel M. 64
Weber, Ethan J. 41
Weckwerth, Nathan W. 11
Weeden, Aimee K. 58
Weeks, Elizabeth R. 11, 41
Wehbe, Michael M. 66
Weidman, Sarah K. 20
Wei, Quantum J. 85
Wei, Rachel Y. 11
Weis, James W. 85
Weisser, Constantin N. 95
Weissman, Rachel F. 18
Wellens, Quentin 41
Wellman, Julian H. 21
Wells-Lewis, Alyssa A. 3
Wen, Deborah H. 19
Weng, Erica X. 41
Weng, Tsui-Wei 85
Wen, Haibin 57
Weninger, Drew M. 35
Wen, Jing 66
Wesel, Kevin E. 18
Wexler, Justin A. 64
Whalen, Eamon J. 29
Whatley, Daniel A. 41
Wheeler, Kelsey M. 96
Whisnant, Hannah K. 30
White, Brittany L. 57
White, Danielle M. 7
White, David A. 23
White, Joshua K. 14
Whitton, Jacob T. 7
Wicks, Kathryn T. 11
Wight, Seth M. 25
Wijaya, Grace 48
Wilbert, Joao Henrique S. 26
Wilcox, Elise C. 85
Wilka, Catherine A. 96
Willard, Kristine A. 64
Williams, Anna J. 16
Williams, Blair A. 13
Williams, Caitlin L. 52
Williams, Katherine M. 15
Williams, Oscar 28
Willis, Kiyah E. 17
Wilson, Benton B. 11
Wilson, Chad T. 34
Wilson, Oliver J. 52
Wilson, Ryan C. 49

- Wilson, Sara M. 32
 Wilson, Tyler J. 64
 Winey, Nastasia E. 70
 Wing, Michael A. 64
 Wisecup, Erik D. 57
 Witt Jr., Peter D. 31, 64
 Wofford, Peter 11
 Woicik, Matthew E. 41
 Wójcik, Jan R. 11
 Woldeghebriel, Eyob W. 41
 Wolf, Martin J. 96
 Wolverton, Isaac H. 11
 Womack, Christopher B. 14
 Wong, Andrew D. 41
 Wong, Chi Heem 85
 Wong, Erin N. 23
 Wong, Jonathan C. 64
 Wong, Joyce 64
 Wong, Madeline M. 7
 Wood, Chad A. 11
 Woods, Natalie E. 31
 Woo, Jaehun 23
 Woo, Jongchan 44
 Woudstra, Rixt L. 72
 Wrafter, Daniel R. 41
 Wright, Andrew C. 85
 Wright, Asher T. 65
 Wright, Mark J. 11
 Wu, Albert X. 45, 85
 Wu, Chih-Liang 96
 Wu, Emily 35
 Wu, Farrell Eldrian S. 17
 Wu, Jieyuan 35, 64
 Wu, Jingyi 67
 Wu, John M. 21
 Wu, Julia J. 11
 Wu, Julia 41
 Wu, Nanette 41
 Wu, Priscilla J. 41
 Wu, Qiongjing 64
 Wu, Sarah J. 35
 Wu, Shannen 11
 Wu, Shuaiyu 67
 Wu, Sophia 30
 Wu, William 11
 Wu, Xiaopeng 67
 Wu, Xinyu 48
 Wu, You-Chi 96
 Wu, Zeyu 49
 Wyatt, Joseph 64
- X**
- Xia, Brian S. 11
 Xia, Charlene 27
 Xia, Fangzhou 85
 Xiang, Junlin 49
 Xiang, Justin H. 41
 Xiao, Danying 65
 Xiao, Katherine L. 11
 Xia, Sophia 22
 Xie, April L. 11
 Xie, Emily Z. 21
 Xie, Fangyan 67
 Xie, Sihan 85
- Xie, Tian 85
 Xie, Zhuofan 21
 Xing, Sophia Yun 64
 Xiong, Thomas W. 21, 42
 Xi, Tianyang 64
 Xu, Barry 22
 Xu, Christopher 21
 Xue, Jin 85
 Xu, Helen J. 11
 Xu, Jessica E. 4
 Xu, Keyulu 85
 Xu, Liza C. 31, 64
 Xu, Shenheng 65
 Xu, Shuotao 85
 Xu, Yinzhan 44
 Xu, Zhi 85
 Xu, Zixuan 21
 Xu, Ziyu 23
- Y**
- Yaari, Adam U. 44
 Yablon, Assaf 64
 Yan, Bryan Kai Jie 67
 Yang, Adela Y. 41
 Yang, Alexander Y. 41
 Yang, Allen 21
 Yang, Angela S. 64
 Yang, Cindy X. 7, 41
 Yang, Elias Y. 17
 Yang, Eric D. 64
 Yang, Fan 35
 Yang, Fei 52
 Yang, Hang 67
 Yang, Hee Jin 89
 Yang, Jessica 11
 Yang, Karren D. 45, 48
 Yang, Kathleen L. 45
 Yang, Liudi 32
 Yang, Steven 11
 Yang, Tien-Ju 85
 Yang, Xueyi 67
 Yang, Yifan 45
 Yang, Yijia 65
 Yang, Yi 1
 Yang, Yueqi 67
 Yang, Yunjie 96
 Yang, Zheng 45
 Yang, Zhen 89
 Yang, Zhutian 45
 Yao, Helen 85
 Yao, Jocelyn S. 15
 Yao, Yuan 21
 Yap, Brendan S. 11
 Yazbeck, Antoine 32
 Yedidia, Adam B. 85
 Yee, Emma H. 85
 Ye, Haocheng 67
 Yeiser, Aaron J. 7
 Ye, Linda 96
 Yen, Isabelle L. 12
 Yen, Jessica J. 4
 Yeo, Hui Ting Grace 85
 Yerali, Asset 57
 Yerali, Laura M. 57
- Yesantharao, Rahul V. 7
 Ye, Sifan 67
 Yi, Brian C. 64
 Yin, Claire 11
 Yin, Jessica 11
 Yin, Shiyan 17
 Yoo, Lisa Y. 11
 Yoon, Stephanie S. 11
 Yoo, Sam M. 52
 Yoshida, Hiroshi 57
 Yoshizawa, Kayo 67
 Yost, Claire L. 2
 Yost-Wolff, Calvin L. 21
 Yotamornsunthorn, Veerapatr 11
 Young Li Wen, Elizabeth Lyn 24
 Young, Sarah K. 58
 Youngs, Madeleine K. 97
 Younker, Andrew R. 23
 Yousef, Charbal M. 57
 You, Yejin 41
 Yuan, Matthew 68
 Yu, Catherine 67
 Yue, Albert S. 11
 Yue, Kevin 11
 Yue, Shichao 85
 Yu, Haocun 96
 Yu, Hoi Wai 11
 Yu, Hung-Hsun 22
 Yu, Jennifer J. 19
 Yu, Jiaheng 68
 Yu, Joy S. 41
 Yu, Julia 21
 Yu, Kaili 32
 Yu, Kendall T. 11
 Yu, Kevin 64
 Yuk, Hyunwoo 85
 Yun, Annie T. 11
 Yunus, Mikael M. 5
 Yu, Shuyi 89
 Yu, Yang 85
 Yu, Yuancheng 41
 Yu, Zhengyi 67
- Z**
- Zaccor, James A. 65
 Zaghrini, Joseph G. 65
 Zajde, Dror 64
 Zampetakis, Emmanouil 85
 Zamzow-Schmidt, Noah 11
 Zárate Gamarra, Marcos R. 21
 Zavarella, Timothy D. 11
 Zayas del Rio, Gabriela B. 26
 Zayas, Kevin M. 11
 Zedler, Lily C. 64
 Zelman, Jack C. 67
 Zenaki, Manil N. 54
 Zeng, Xianqi 64
 Zeng, Xu 7
 Zentner, Cassandra A. 96
 Zepeda, Francisco J. 15
 Zerhouni, El Ghali Ahmed 65
 Zha, Di 64
 Zhang, Alice 20
 Zhang, Allison T. 52

- Zhang, Beining 11
Zhang, Cassie W. 64
Zhang, Chengzhao 96
Zhang, Daiyao 13
Zhang, Emily T. 41
Zhang, Emily Y. 11
Zhang, Gege 65
Zhang, Guowei 86
Zhang, Ike T. 64
Zhang, Jason 45
Zhang, Jiaheng 4
Zhang, Jie 67
Zhang, Junyi 28
Zhang, Kevin 89
Zhang, Kexin 65
Zhang, Lihui 30
Zhang, Lucy Y. 11
Zhang, Maggie Q. 12
Zhang, Maggie 12
Zhang, Margaret Y. 15
Zhang, Marina 12
Zhang, Molin 45
Zhang, Nicolas X. 30, 45
Zhang, Nova S. 65
Zhang, Qihang 45
Zhang, Qinze Arthur 69
Zhang, Qin 86
Zhang, Rachel C. 19
Zhang, Rachel Y. 21
Zhang, Renjie 67
Zhang, Ruihan 27
Zhang, Stephanie Y. 7
Zhang, Weijia 67
Zhang, Wenxin 64
Zhang, Whitney W. 16
Zhang, Xiang 35
Zhang, Xiaoyun 24
Zhang, Yifei 86
Zhang, Yiran 67
Zhang, Yunhao 68
Zhang, Yunming 86
Zhang, Zhaoyuan 41
Zhang, Zhoutong 45
Zhan, Meilin 96
Zhan, Zhuchang 96
Zhao, Jinglong 73
Zhao, Michael C. 16
Zhao, Michael F. 90
Zhao, Xuan 67
Zhao, Xueying 86
Zhao, Yu 96
Zheng, Leon 17
Zheng, Sue 86
Zheng, Tianlin 12
Zheng, Yunhan 26, 52
Zheng, Ze Hang 12
Zhou, Diane Y. 41
Zhou, Elizabeth A. 17
Zhou, Erica 41
Zhou, Irene 20
Zhou, Tianqi 45, 52
Zhou, Xinhe 12
Zhou, Yujing 96
Zhou, Zheng 57
- Zhu, Alvin 12
Zhu, Feng 49
Zhu, Hanzhi 54
Zhu, Jessica F. 41
Zhu, Ruihao 86
Zhu, Willie 4
Zhu, Yimeng 24
Zhu, Yiwei 12
Zhu, Yunyi 41
Zong, Guo 96
Zou, Jasmine F. 20
Zou, Qijia 65
Zou, Xingyu 41
Zuccarelli, Eugenio 65
Zucker, Michelle L. 26
Zumbro, Emiko 86
Zuo, Kan 28
Zuromski, Kristin L. 96
Zwanziger, Laura 64
Zytek, Alexandra K. 45

This document is intended as a souvenir of MIT's Commencement ceremony.
Any other use, or dissemination, without permission is prohibited.

© Massachusetts Institute of Technology 2021. All rights reserved.

COMMENCEMENT

