MASSACHUSETTS INSTITUTE OF TECHNOLOGY

ONLINE CELEBRATION PROGRAM

HONORING THE GRADUATES OF 2021

FRIDAY, JUNE 4, 2021

COMMENCEMENT

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

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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 Logarhythms
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

VIDEO: THE CLASS OF 2021 LOOKS BACK

Produced by MIT Video Productions

SALUTE

Madeleine Sutherland
President, MIT Graduate Student Council 2020–2021

SALUTE AND TURNING OF THE CLASS RING

Kofi Blake
President, MIT Class of 2021

GREETINGS FROM PALMER STATION, ANTARCTICA

Daniel Lowenstein
PhD student in the MIT-WHOI Joint Program in Oceanography/Chemical Oceanography
Research Assistant, Woods Hole Oceanographic Institution

CHARGE TO THE GRADUATES AND CONFERRING OF DEGREES

L. Rafael Reif
President, MIT

SALUTE FROM THE FACULTY

Sangeeta N. Bhatia SM '93 PhD '97
John J. and Dorothy Wilson Professor of Engineering, MIT

WELCOME INTO THE MIT ALUMNI ASSOCIATION

Charlene C. Kabcenell '79
President, MIT Alumni Association

CLOSING REMARKS

Diane B. Greene SM '78
Chair, MIT Corporation

SCHOOL SONG

Led by the Chorallaries of MIT

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

Bachelor of Science in Engineering as recommended by the Department of Civil and Environmental Engineering
Course 1-ENG
Department of Civil and Environmental Engineering

Luke Bastian
Minor in Economics
Minor in Computer Science

Aron M. Brenner
Also with a Major in Course XVIII

Samantha A. Burnell

Emily Pearl Condon
Minor in Literature

Ashwin Nivas Datta
Minor in Political Science

Gabriel de los Santos Schwartz

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

Sabrina J. Madera
Minor in Architecture

Adelynn H. Paik

Zachary T. Roberts
Minor in Statistics and Data Science

Alexandra Carolina Rodríguez

Chiharu Chelsea Watanabe
Minor in Finance

Claire L. Yost
Minor in Environment and Sustainability

Bachelor of Science in Mechanical Engineering
Course II
Department of Mechanical Engineering

Jacynth Tate Y. Agraan

Alex Aguilar
(September, 2020)

Salem J. Ali
(February, 2021)

Kailey A. Allen

Thomas B. Allison

Marcus M. Badgett

Andrew Barron Callahan

Manuel Alejandro Encinas Maqueda
Minor in Energy Studies

Annetoinette O. Figueroa

Audrey Charlotte Gaither

Samuel J. Gantman

Armando J. Garcia

Dani Gonzalez
Minor in Biomedical Engineering

Darya C. Guettler
Also with a Major in Course XVII

Maxwell E. Halkenhauser

Matthew S. Hambacher
Minor in Computer Science

Laura Y. Huang

Shantanu S. Jakhete
Minor in Political Science

Minsu Jung

Sheila Kennedy-Moore
Minor in Environment and Sustainability

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

Flora M. Klise

Benjamin C. Koenig

Zachery Wolfgang Kutschke
(February, 2021)

Sandra Li
Minor in Design
(February, 2021)

Cole R. Linnus

Hannah Karin Mahaffey
Minor in Economics

Kai P. Maier
Minor in Computer Science

Charlotte Anderson Maloney
Minor in Comparative Media Studies

Garrett Memoli

Isabella M. Montanaro
(February, 2021)

Cyanna Maria Veronica Moody

Alejandra M. Navarro Reyes

Abdalla O. Osman
Minor in Energy Studies

Nisal H. Ovitigala

Joushua G. Padilla

Arnav Y. Patel
Minor in Energy Studies

Anupama Phatak
Minor in Economics

Max M. Raven
Minor in Management

Rolando Rodarte
Minor in Biology
Minor in Energy Studies
(February, 2021)

Alexander J. Salisbury

Swochchhanda Shrestha
Minor in Environment and Sustainability

Robert S. Silvestri

Emily Irene Skilling
Minor in Design

Carmen Mary Sleight

Margaret E. Sullivan
(February, 2021)

Jonathan N. Tagoe

Sachin Thapa

Jimmy T. Tran
Minor in Economics

Anthony T. Troupe

Alyssa A. Wells-Lewis
Minor in Music

Bachelor of Science in Mechanical and Ocean Engineering

Course II
Department of Mechanical Engineering

Anthony C. Kriezis
Also with a Major in Course XIV-2
Minor in Computer Science

Alejandro Andrés Miranda Lastra

Bachelor of Science in Engineering as recommended by the Department of Mechanical Engineering

Course II-A
Department of Mechanical Engineering

Hannah Elizabeth Adams
Minor in Computer Science

Thomas O. Adebiyi
Minor in Design

Luisa Fernanda Apolaya Torres
Minor in Theater Arts

Benjamin L. Bennington
(February, 2021)

Smita Bhattacharjee
Minor in Entrepreneurship & Innovation
Minor in International Development

Roberto A. Bolli, Jr.
Also with a Major in Course VI-7

Courtney Elizabeth Byrne

Geneva M. Casalegno
Minor in Environment and Sustainability

Hunter K. Celio

Jenny Chan

George Chunfeng Chen
Minor in Computer Science

Lucy Seokyung Cho

Emily Miller-Larabee Colby

Orisa Z. Coombs
Minor in Entrepreneurship & Innovation

Daysia V. Douglas

Gabrielle Karen Enns

Megan Camille Flynn

Qiyun Gao
Minor in Computer Science

Gabriella Garcia
(February, 2021)

Amanda N. Garofalo
(February, 2021)

Aaron Andres Garza
Minor in Computer Science

Caela Gabrielle Gomes
(September, 2020)

Daniel E. González Díaz

Nicole Michelle Goridkov

Miki O. Hansen

Milo J. Hooper

Johnson Nam Huynh
Minor in Materials Science and Engineering

Sridevi Kaza

Emma Rosz Kelley

Pedro Leandro La Rotta Nuñez

Lani Dakyoung Lee
Minor in Music

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 Osubor
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)

Wenhao 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

Tafsia 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-Juliahn 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

Mikaeel 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)

Cecelia C. Chu
(February, 2021)

Manning Chuor
Also with a Major in Course VIII
Minor in Mathematics

Braden Noah Cook

Alexander K. Craig
Minor in Mathematics

Alex C. Cuellar

Ray Hiralal Dedhia

Mussie Teshome Demisse

Amanda Deng
Minor in Management
(February, 2021)

Alejandro Daniel Lino Diaz
Minor in Environment and Sustainability
Minor in Latin American and Latino Studies
(February, 2021)

Dylan D. Doblar
Also with a Major in Course XVIII
Minor in Philosophy
(February, 2021)

Jordan Sumi Docter
Also with a Major in Course XVIII
Minor in Music

Laura N. Dodds

Austin S. Edelman
Minor in Political Science

Judith Fusman
(February, 2021)

Evan P. Gabhart
Minor in Mathematics
(February, 2021)

Kendall Garner
Minor in Chinese

Roberto Gauna
Also with a Major in Course VIII

Enriko K. Granadoz Chavez

Zackary J. Gromko
Also with a Major in Course VIII
Minor in Mathematics

Joshua A. Gruenstein
(February, 2021)

Alexander Felix Gu
Minor in Mathematics
Minor in Music

Keshav Gupta
(See also M.Eng., Course VI-P)

Matthew Ha

Andrew J. Haeffner
(February, 2021)

Jeanne L. Harabedian

Diana I. Hernandez
(February, 2021)

Shariqah Noor Hossain

Kuan Wei Huang

Kriti Jain
(February, 2021)

Sandy Jean-Charles
Minor in African and African Diaspora Studies

Silvia Elena Knappe
Minor in Music

William M. Kusters
(February, 2021)

Madison K. Landry
Minor in Brain and Cognitive Sciences
(February, 2021)

Lucy Ruxi Lee
Minor in Chinese
(See also M.Eng., Course VI-P)

Sharon Ting Lin
(February, 2021)

Sabrina Liu
Minor in Music

Brooke Chelsea McGoldrick
(September, 2020)

Rachel T. McIntosh
Minor in Women's and Gender Studies

Charity M. Midenyo
(February, 2021)

Yosef E. Mihretie

Alex S. Miller
Also with a Major in Course VIII
Minor in Earth, Atmospheric, and Planetary Sciences
(February, 2021)

Ian M. Miller

Gherardo Morona

Philip J. Murzynowski

Susan Ni
(February, 2021)

Caleb B. Noble
Minor in Mathematics

Olutimilehin O. Omotunde
Minor in Applied International Studies

Fjona Parllaku
Also with a Major in Course XVIII
(February, 2021)

Noah M. Pauls

Eric John Pence

Lisa R. Peng

Brandon A. Perez

Grace Anne Quaratiello
Also with a Major in Course XV-2

Roberto A. Ramirez

Robert L. Redmond

Berke Saat

Nadia Salahuddin
(February, 2021)

David M. Sargent
Minor in Economics

Yorai Shaoul
Minor in Mathematics

Du'aa H. Sharif

Yao E. Siabi
(February, 2021)

Victor Phares Sindato

Nikhil M. Singhal

Sarah Olivia Spector
Minor in Latin American and Latino Studies
(February, 2021)

Matthew Joseph Stallone

Nickolas Stathas
Minor in Science, Technology, and Society
(February, 2021)

Andromeda L. Teevens
(September, 2020)

Mark Theng
Minor in Mathematics

Rory Skye Thompson

Leilani A. Trautman

Mihir Yatin Trivedi

August Trollbeck
Also with a Major in Course XVIII

Sabrina Tseng

Chih Jui Tsou
Also with a Major in Course XVIII

Joshua Verdejo
Minor in Music
(See also M.Eng., Course VI-P)

Julian T. Viera

Agnes Villanyi
Minor in Mathematics

Fan Francis Wang
Also with a Major in Course VIII

Babuabel M. Wanyeki
Also with a Major in Course VIII

Thomas D. Watson

Danielle Marie White
(February, 2021)

Jacob T. Whitton

Madeline Ming-Lei Wong
Also with a Major in Course XXI-M

Cindy X. Yang
(See also M.Eng., Course VI-P)

Aaron J. Yeiser
(February, 2021)

Rahul V. Yesantharao

Xu Zeng

Stephanie Yijing Zhang
Also with a Major in Course XV-2

Bachelor of Science in Computer Science and Engineering

Course VI-3

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

Babatomiwa M. Adebiyi

Anisha Agarwal
Minor in Literature

Yodahe K. Alemu

Daniel Thomas Alfonsetti
Minor in Mathematics

Obada Alkhatib
Minor in Mathematics

Varkey T. Alumootil
Also with a Major in Course XVIII
(See also M.Eng., Course VI-P)

Nicholas Aaron Alvarado

Zoe Elizabeth Anderson
(February, 2021)

Joshua Chukwuebuka Ani
Minor in Mathematics

William A. Archer
Minor in Economics

Rogério Aristida Guimarães Junior
Also with a Major in Course XXIV-2

Matthew D. Bahner
Also with a Major in Course XV-2

Sisam Bhandari
Minor in Women's and Gender Studies

Lillian Bu
(February, 2021)

Johnny M. Bui

Katarina M. Bulovic
Minor in Brain and Cognitive Sciences

Alejandro Camacho

Matthew S. Cameron
Also with a Major in Course XXIV-1

Anton Cao
(February, 2021)

Kylie K. Carpenter

Johan Cervantes
Minor in Statistics and Data Science

Christopher W. Chang
(September, 2020)

Benjamin Y. Chen
Also with a Major in Course XVIII

Bryan Xiaoqi Chen
Also with a Major in Course XVIII

Caroline Chen
Minor in Economics
Minor in Mathematics
(February, 2021)

Christina Chen

Emily Chen
Minor in Urban Studies and Planning

Jenning N. Chen
Minor in Environment and Sustainability

Zhenbang Chen

Zhenjia Chen

Christopher W. Cheung

Erica J. Chiu
Also with a Major in Course XVIII

Landon S. Chu
Minor in Mathematics

Liam L. Conboy
Minor in Chinese

Evan Samuel Cornish
(February, 2021)

José Alejandro Cruz Mendoza

Daniel Andres Dangond
Also with a Major in Comparative Media Studies
Minor in Japanese
(February, 2021)

Hope Dargan
Also with a Major in Course XXI-H

Ria A. Das
Also with a Major in Course XVIII

Nisha E. Devasia
Also with a Major in Comparative Media Studies
(February, 2021)

Steven Diaz
Minor in Mathematics

Thomas J. Dienes

Alexandra Dima

Samuel Joseph Dorchuck
Also with a Major in Course XVIII
Minor in Political Science

Robert Benjamin Durfee

Cody Robert-Andrew Durr
(February, 2021)

Demar Robin-Fernandez Edwards
(February, 2021)

Ahmed N. Elbashir
(February, 2021)

Kevin A. Fang

Joyce Feng

Gabriel David Fields

Nathaniel P. Fletcher

Rachael Shulan Fuchs

Grant W. Fuhr

Allan A. Garcia-Zych
Also with a Major in Course VIII

Benjamin A. Gardner

Albert S. Gerovitch
Also with a Major in Course IX
Minor in Political Science
Minor in Business Analytics

Irin Ghosh
Also with a Major in Course XVIII
Minor in Physics

Anurag Golla

Charvi Gopal

Danielle S. Gordon

Alexander K. Guo
Also with a Major in Course XI

Nicholas Guo

Tessa Jean Gustafson

Thomas J. Hannan
(February, 2021)

Peter K. Hart
(February, 2021)

Adib Hasan
Also with a Major in Course XVIII

Mahmoud Hassan

Mark P. Heatzig

Christian Torrin Henn
(September, 2020)

Ryan Christian Hennessey

Julian A. Hernandez
Minor in Comparative Media Studies

Alex Herrera

Luis Fernando Herrera Arias
(September, 2020)

Michael D. Hiebert
(See also M.Eng., Course VI-P)

Jenna Himawan
(See also M.Eng., Course VI-P)

Darryl Ho
Also with a Major in Course XVIII

Eric Hong

Eesam A. Hourani

Grace Hsu

Aye Htun

Henry Hu
Minor in Economics
(February, 2021)

Ivy Y. Huang
(February, 2021)

Jodi Jiaming Huang

Molly Humphreys

Sebastián Alejandro Huyke Hernández
Minor in Mathematics
Minor in Business Analytics

Christian Zhi Ren Hwa

Assel Ismoldayeva

Finnian P. Jacobson-Schulte
Also with a Major in Course XVIII

Shikhar Jagadeesh

Eric Jiang

Michelle Jiang

Stacia Edina Johanna

Victoria S. Juan
(February, 2021)

Meredith H. Julian
Minor in Mathematics
(See also M.Eng., Course VI-P)

Violetta Jusiega
Minor in Design

Gledis Kallco
Minor in Mathematics

Meghana Kamineni
Minor in Biology

Isabella Lin Kang
Also with a Major in Course XVIII
(See also M.Eng., Course VI-P)

Arpan Kaphle
Also with a Major in Course VIII

Mihir Prasad Khambete
Minor in Biology

Min Thet Khine
(February, 2021)

Evan M. Kim

Maya A. Koneval
Minor in Design
(February, 2021)

Daniel Kuang

Jason Kung

Barjol Lami
Minor in Mathematics

Maximillian S. Langenkamp

Bradley A. Levin

David Daiyun Li

Yunxing Liao

Yong Hui Lim
Also with a Major in Course VIII
(See also M.Eng., Course VI-P)

John Lin

Emily Liu
Minor in Mathematics
Minor in Music

Qiuyue Liu
(February, 2021)

Renbin Liu

Steven X. Liu
Also with a Major in Course XVIII
(See also M.Eng., Course VI-P)

Jason L. Lu

Haokuan Luo

Zhezheng Luo
Also with a Major in Course XVIII

Oran Luzon
Minor in Mathematics

Elene Machaidze

Xiao Mao
Also with a Major in Course XVIII
Minor in Linguistics

Yousef N. Mardini

Lindsey Marie McAllister
Minor in Public Policy

Ruben Merenfeld
Minor in Music

Zachary Michael Metzman
(February, 2021)

Samantha R. Miller
(February, 2021)

Alexander Paul Moreno

Felipe I. Moreno
Minor in Mechanical Engineering
(February, 2021)
(See also M.Eng., Course VI-P)

Alex B. Moser

José Antonio Muguira Iturralde

Nikhil Murthy
(February, 2021)
(See also M.Eng., Course VI-P)

Tammam Mustafa

Kaveri Nadhamuni
(See also M.Eng., Course VI-P)

Bhavik Nagda

Katharine Irene Nelson
(February, 2021)

Hieu T. Nguyen

Karen Nguyen
Minor in Mathematics

Nhat V. Nguyen

Sara Katherine Nicholas
Also with a Major in Course VIII

Maya G. Nigrin
Minor in Mathematics
(February, 2021)

Clemente Ocejo Elizondo

Joe Collins O'Connor
Also with a Major in Course XVIII

Kings Odigie
Minor in Management

Tatum Mae Ogata
Minor in Mathematics

Lauren Dayoun Oh
Minor in Mathematics

Tuomas P. Oikarinen
Also with a Major in Course XXIV-1
Minor in Mathematics

Hidai Olivas-Holguin
(February, 2021)

Stephen E. Otremba, Jr.
Minor in Mathematics

Nassim Oufattole
Also with a Major in Course XVIII

YeonHwan Park

Shwetark Patel
Also with a Major in Course XIV-2

Angelos Pelecanos
Also with a Major in Course XVIII

Justin C. Perez
Minor in Mathematics

Áron Ricardo Perez-Lopez
Also with a Major in Course XXI-S
(February, 2021)

Daniel Perry
Minor in Economics
Minor in Mathematics
(September, 2020)

Scott Edward Perry
Also with a Major in Course XIV-2

Tuyet K. Pham
Minor in Japanese
(February, 2021)

Jacob D. Phillips
(February, 2021)

Melody Katherine Phu

Calvin Phung
Minor in Asian and Asian Diaspora Studies

Neeraj Prasad

Grant C. Prater

Magdalena A. Price
Minor in Japanese

Jason Thomas Priest
(February, 2021)

Sai Sameer Pusapaty

Qi Qi
Also with a Major in Course XVIII
(See also M.Eng., Course VI-P)

Eric D. Qian
(February, 2021)

Vivian Qian

Soumya P. Ram
Minor in Mathematics
(See also M.Eng., Course VI-P)

Gabriel L. Ramirez
(See also M.Eng., Course VI-P)

Saumya Rawat

Michal Negusse Reda

Liana H. Reilly

Victor M. Reyes Espinoza
Minor in Political Science

Holly Anne Rieping

Marco A. Rivera, Jr.

Aristofanis Rontogiannis

Alexander J. Root

Rami M. Rustom

Alonso Salas Infante

Nicholas Antonio Salinas

Nestor Santiago-Perez

Samantha A. Sappenfield

Alizée Schoen

Tyler M. Schoulte
(February, 2021)

Noa L. Schwartz
Minor in Mathematics

Jason Lee Seibel
(February, 2021)

Nikodimos Zelalem Sendek
Minor in Design

Vlad Seremet
(September, 2020)

Allison N. Serio
Minor in Architecture

Dory Shen

Jocelyn J. Shen
Minor in Economics

Keithen E. Shepard

Belinda Shi
Minor in Linguistics

Daniel Ryan Shkreli
Minor in Literature

Renee Tebeh Silva

Chiti M. Simbotwe

Aaditya K. Singh
Also with a Major in Course IX
(See also M.Eng., Course VI-P)

Varnika Sinha
Minor in Economics
Minor in Mathematics

Dylan T. Sleeper
(February, 2021)

Jack W. Snowdon
Minor in Statistics and Data Science

Jesus A. Solis

Ashwin Srinivasan

George Stefanakis
Also with a Major in Course XVIII

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)

Asia J. Hypsher
Minor in French

Connor Grayson Jones

Mawuli Aba Yvonne Kpeglo
Also with a Major in Course XXI-M

Evelyn Sofia Navarro Salazar

Benjamin Nguyen
Also with a Major in Course V

Andison T. Tran
Minor in Polymers and Soft Matter

Vincent V. Vasquez

Stefan Wan
Minor in Biology

Allison B. Wang

Blair Ato Anaman Williams

Bachelor of Science in Chemical-Biological Engineering

Course X-B
Department of Chemical Engineering

Allegra Jade Berger
Minor in Biology
(February, 2021)

James A. Drayton
(February, 2021)

Abigail M. Frey
Also with a Major in Course VII
Minor in Environment and Sustainability

Luis Angel Gallegos

Katherine Marie Hahn
Also with a Major in Course XII
Minor in Biology

Liam Kai Herndon
Also with a Major in Course VII-A
(February, 2021)

Caroline E. Kenton
(February, 2021)

Vanessa Kitova

Justin Leal

Eveline Simone Mayner

Adunoluwa O. Obisesan
Also with a Major in Course VI-7

Zachary Villaverde

Daiyao Zhang
Also with a Major in Course VII

Bachelor of Science in Engineering as recommended by the Department of Chemical Engineering

Course X-ENG
Department of Chemical Engineering

Issa Rais Aoudou Bassirou
Minor in Economics
Minor in Energy Studies

Mathieu Dru Medina

Andrea Odinakachukwu Orji
Minor in African and African Diaspora Studies

Danielle-Joy A. Rodriguez

Awele Bill Uwagwu
Minor in Energy Studies

Bachelor of Science in Aerospace Engineering

Course XVI
Department of Aeronautics and Astronautics

Sophie Gordon Anderson
Minor in Physics

Kofi G William Blake
Also with a Major in Course VIII
Minor in Political Science

Israel J. Bonilla

Claire Buffington

Shannon M. Cassady
Also with a Major in Course VIII

Jacob C. Edison

Madelyn Rose Focaracci
Minor in Literature

Steven R. Goldy
Also with a Major in Course VI-2
Minor in Political Science

Rukia Amir Hassoun
Minor in Economics

Kyle J. Higgins

Ian M. Hokaj
Also with a Major in Course VI-2

Mohammed Hanif Kabir

Ngoc Thuy Minh La

Alexander Lam
(February, 2021)

Dongjoon Lee
Also with a Major in Course VI-2
Minor in Music

Alison A. Louthain

Charles M. Magaw

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 Horneț

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)

Zaina L. Moussa
Minor in Japanese

Alberto J. Naveira
Minor in Music
Minor in Computer Science

Gabrielle S. A. Ndakwah

Alexandra Neeser
Minor in Finance

Athena NangVang Nguyen

Tam Bao Minh Nguyen

Koumani W. Ntowe-Fankam
(February, 2021)

Ashley N. Pearson

Abena D. Peasah
Minor in Women's and Gender Studies

Maisha Munawwara Prome
Minor in Writing

Smrithi Raman
Minor in Political Science

Courtney Bryn Sawyer

Alexis M. Schneider
Minor in Computer Science
(February, 2021)

Vaibhavi B. Shah
Also with a Major in Sci., Tech., & Society
(February, 2021)

Tooba Shahid
Minor in Public Policy
(February, 2021)

Aidan Michael Simpson
Also with a Major in Course XV-1

Daniel Jiang Stein
Also with a Major in Course VI-3

Connor Jackson Sweeney
Minor in Computer Science
(February, 2021)

Lia Tian
Minor in Mechanical Engineering

Sidney Y. Vermeulen
Also with a Major in Course VI-3

Thomas Wang
Minor in Physics

Katherine M. Williams
Minor in Women's and Gender Studies

Jocelyn Shuxin Yao
Also with a Major in Course IX

Francisco J. Zepeda
Minor in Political Science

Margaret Y. Zhang
Minor in Music

Bachelor of Science in Nuclear Science and Engineering

Course XXII
Department of Nuclear Science and Engineering

Leanne Stephanie Galanek

Bachelor of Science in Engineering as recommended by the Department of Nuclear Science and Engineering

Course XXII-ENG
Department of Nuclear Science and Engineering

Analyce B. Hernandez
Also with a Major in Course VIII

Natalie G. Montoya
Minor in Japanese
Minor in Energy Studies

Myles G. Stapelberg
(February, 2021)

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 Enrrique 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

Eleane 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

Afura 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)

Turbat Enkhbayar

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

Oliver Herman Heins
Minor in Business Analytics

Jabari A. King

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

William Gerard Woodrow Torous
Minor in Literature

Yogeshwar Avinash Velingker
Also with a Major in Course VIII

Sophia Xia
(February, 2021)

Barry Xu

Hung-Hsun Yu
(February, 2021)

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 Boulais
(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)
Venous 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

Yuehan Wang
(February, 2021)
(See also M.C.P., Course XI)
Measuring Built Environment Technology Awareness Using Time-Series Analysis

Oscar Williams
Identifying Real Estate Development Opportunities: Web-Scraping, Regex Pattterns & String-Searching Algorithms

Junyi Zhang
(September, 2020)
An Integrated Analytical Framework: Guidelines for Commercial Real Estate Investment Management

Kan Zuo
Developing a Mainland China REIT Return Index (2015-2020) through a Pure-Play Approach

Utkarsh Sarawgi
Med. Arts & Sciences
Uncertainty-Aware Ensembling in Multi-Modal AI and its Applications in Digital Health for Neurodegenerative Disorders

Sarah Mary Haiken Sclarsic
Med. Arts & Sciences
(February, 2021)
A Bioengineering Roadmap for Negative Emissions Technologies

Nikhil Uday Singh
Med. Arts & Sciences
(September, 2020)
Sifting Sound

Farita Tasnim
Med. Arts & Sciences
Decoding of Facial Strains via Conformable Piezoelectric Interfaces and Three-Dimensional Digital Image Correlation

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 Ponnapati
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 Bhuwalka
(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

Sade Kailani Nabahe
Training the Next Generation of Clean Energy Workers: Designing Local Career Pathways for a Decarbonized New Mexico Economy

Nina Catherine Peluso
Long-Term Electric Utility Resource Planning: An Adaptive Structure for a Transforming Landscape

Daniel Wade Provaznik II
(September, 2020)
Mitigating Foreign Social Media Influence Campaigns in US Elections

Ryan William Ramseyer
(See also S.M., Course VI)
Automated Rehosting and Instrumentation of Embedded Firmware

Saeyoung Rho
(September, 2020)
(See also S.M., Course VI)
Estimating Lowers Bounds for Time Series Prediction Error

Thomas González Roberts
(See also S.M., Course XVI)
Geosynchronous Satellite Maneuver Classification and Orbital Pattern Anomaly Detection via Supervised Machine Learning

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

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

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

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

Kevin Xu Shen
(February, 2021)
(See also S.M., Transportation)
Uneven Mobility: Injustice in Accessibility and Urban Experimentation

Erin Elizabeth Smith
The Cost of CO2 Transport and Storage in Global Integrated Assessment Modeling

Hannah Kathleen Whisnant
(September, 2020)
Split Learning on FPGAs

Sophia Wu
(February, 2021)
Understanding the Effect of Intermittent Water Supply on Drinking Water Quality

Lihui Zhang
(February, 2021)
Crowd Equals Diversity? A Diversity Analysis on Participation of Agency-sponsored Open Innovation Challenges

Nicolas Xuan-Yi Zhang
(February, 2021)
(See also S.M., Course VI)
Encryption to Implement Mechanism Design Solutions

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 McGlennon 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 Gkirgkis
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

José María Moreu Gamazo
(February, 2021)
High-order Tuners for Convex Optimization: Stability and Accelerated Learning

Zachariah Keith Morey
(See also M.B.A., Course XV)
Integrating Machine Learning into Data Analysis and Plant Performance

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

Duncan Allison O'Boyle
Integrated Disposable Microfluidic Tissue Chips

Cormac O'Neill
Safe Tumbling of Heavy Objects Using a Two-Cable Crane

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

Anthony Johnson Papa
(See also M.B.A., Course XV)
Unit Hours as a Key Performance Indicator

So Young Michelle Park
(See also M.B.A., Course XV)
Reliability Analysis of Boeing's Dreamlifter Large Cargo Freighter

Abhishek Patkar
(September, 2020)
Concave-Convex Parametrization and Neural Network Based Nonlinear Adaptive Controller

Felix Piavsky
(February, 2021)
Automatic Detection and Tracking of Fish Shoals over Large Areas Using Ocean Acoustic Waveguide Remote Sensing (OAWRS)

Stefano Pineda
Feasibility Assessment for Amine-Based Shipboard Carbon Capture

Ryan Joseph Mar Poon
Design and Control of a Mounted Robotic Arm Tool Changer and Measurement Tools for Agriculture

Daniel Raymond Whitlock Reilly
(See also M.B.A., Course XV)
Implementing Virtual Reality Based Digital Twins in Automotive Manufacturing

Catalina Kim Le Rico
Polyurethane Sealant to Mitigate Crack Effects in Glass-to-Metal Sealed Underwater Connectors

Andrew Scott Rodriguez
(See also M.B.A., Course XV)
Applying Lean Manufacturing Concepts to a High-Mix Low-Volume Make to Order Environment

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

Michael T. Schoder
(See also M.B.A., Course XV)
Distribution Network Optimization to Reduce Process Variability and Improve Throughput for an Online Retailer

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

Kaymie Sato-Hayashi-Kagawa Shiozawa
Towards the Development of an Adaptive Rehabilitative Device

Alexander E. Siemenn
A System for High-Throughput Materials Exploration Driven by Machine Learning

Ankita Singh
(See also M.B.A., Course XV)
Applications of Machine Learning and First-Principle Modeling to Evaluate Design Enhancements in Autoinjectors

Sarah Jenesen Southerland
(February, 2021)
Utilization of High Contaminant Recycled HDPE in Concrete Aggregate and Investigation into Additional Industrial Applications

Jamison Slater Soybel
(See also M.B.A., Course XV)
Designing a Make vs. Buy Strategy for Expendable and Attritable Aircraft Engine Development

Stephan Thorner Stansfield
Dynamic Primitives in Human Manipulation of Complex Objects

Riley M. Steindl
(February, 2021)
Developing the Detectability, Identifiability, and Trackability Analysis for the Space Sustainability Rating

Eric M. Stewart
Electroactive Polymer Actuators: Theory and Computations

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

Tatjana Toeldte
(See also M.B.A., Course XV)
Data-Driven Business Model Strategy Development for Incumbents in B2B Markets

Hannah Martin Varner
(September, 2020)
Architecture and Unit Design of a Capital Cost Optimized, Household Electrodialysis Desalination Device with Continuous Flow

Sandra L. Walter
(February, 2021)
Understanding Our Students: How Aspects of Students' Pre-Collegiate Lives Correlate with Self Advocacy, Confidence, and Risk Taking

Chad Thomas Wilson
Design, Modeling and Characterization of a Multiscale Heat Exchanger for High-Temperature, High-Pressure Applications

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

Jieyuan 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 Monoitoring

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

Jackson R. Bernatchez
Clustering-Based Methods for Clinical Risk Prediction of Rare Missense Variants

Matthew J. Beveridge
Consistent Depth Estimation in Data-Driven Simulation for Autonomous Driving

Darian Bhathena
Improving AI and ML Techniques for the Objective Assessment of Depression

Srilaya Bhavaraju
(September, 2020)
Using Machine Learning for Analysis of Neuronal Network Activity

Soorajnath Boominathan
(September, 2020)
Learning Treatment Policies for Empiric Antibiotic Prescription

El Bachir Boumhaout
(September, 2020)
A CAD Tools for Supermind Design

Kalyn Bowen
StarLogo Nova Dashboard for Teachers

Yun X. Boyer
(September, 2020)
Identifying and Assessing the Severity of Acute Respiratory Distress Syndrome with Machine Learning Methods

Eric Mahathvan Bradford
(February, 2021)
Interactively Designing Robots in Mixed Reality Using Gestural Control

Haris Brkic
(February, 2021)
FMCW RFID Backscatter Localization

Joshua T. Brunner
Computational Complexity of Some Puzzles and Games

Benjamin G. Cary
Design and Optimization of Umbo Microphone for Fully Implantable Assistive Hearing Devices

Lujing Cen
Learned Encodings in SageDB

Megan C. Chao
(February, 2021)
Physically Accurate Collisions for StarLogo Nova

Nicholas G. Charchut
(September, 2020)
Implementation of a Cross-Platform Automated Bayesian Data Modeling System

Lantian Chen
(September, 2020)
Learning about Media Users from Movie Rating Data

Sabina W. Chen
Developing Integrated Infrastructures for Closed-Loop Interactive Systems

Seri Choi
(February, 2021)
An Empirical Study Identifying Bias in Yelp Dataset

Jeff T. Chow
(February, 2021)
Certified Control in Autonomous Vehicles with Visual Lane Finding and LiDAR

Ian J. Clester
(September, 2020)
RFID Localization for Interactive Applications

Peter B. Crocker
Explorations In Physically Verified PCB Design Using Deep Reinforcement Learning

Shiloh Curtis
A Hierarchical Algorithm for Probabilistically Complete Path Planning in Multi-Floor Environments

Miles J. Dai
Reverse Engineering the Intel Cascade Lake Mesh Interconnect

Alenta Demissew
Integrating Grade Prediction for Better Student Support in MIT's Introductory Programming Course

Evan L. Denmark
(September, 2020)
A Technical Analysis of Photogrammetry with Reality Capture

Kenneth A. Derek
Mutli-Agent Quality Diversity in Reinforcement Learning

Thomas O. Dudzik
(September, 2020)
Robust Autonomous Navigation of a Small-Scale Quadruped Robot in Real-World Environments

Murielle Dunand
Tools and Curricula for Low-Vision Accessible Apps in MIT App Inventor

Mahalaxmi Elango
Rewriting the Rules of a Classifier

Saroja Erabelli
(September, 2020)
pyFHE - A Python Library for Fully Homomorphic Encryption

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

Sarah R. Flanagan
Modular Interactive Modeling for Control and Simulation of Electric Power Systems

Diana J. Flores
Using High-Performance Computing to Scale Generative Adversarial Networks

Sanjay Ganeshan
(February, 2021)
Mesh Regularization for Multi-View Shape Reconstruction via Inverse Graphics

Austin J. Garrett
(February, 2021)
Testing Model and Inference Programs for Generative Scene Graphs

James H. Gilles
(September, 2020)
The Lottery Ticket Hypothesis in an Adversarial Setting

Linda Z. Gong
Tolerant Testing of Regular Languages in Sublinear Time

Divya Gopinath
(September, 2020)
ML-Driven Clinical Documentation

Edward M. Goul
Smooth Interpolation on Series of Measures

Rachel Ann Green
Designing and Testing a Mobile Creative Coding Application for Children

Peter A. Griggs
(February, 2021)
Database Updates Using Interactive Pan and Zoom Visualizations

Katharina V. Gschwind
Model Compression and AutoML for Efficient Click-Through Rate Prediction

Grant W. Gunnison
(September, 2020)
Development of the Electronics Architecture for a Compact Lasercom Fine-Pointing System

Xiaolu Guo
Predicting Aortic Stenosis Severity using Deep Learning

Keshav Gupta
(See also S.B., Course VI-2)
Efficient Computation of Map-scale Continuous Mutual Information on Chip in Real Time

Helen M. He
Performance Engineering of Reactive Molecular Dynamics Simulations

Anthony Hernandez
An Evaluative and Recommendary Tool to Make Sustainable Urban Development Decisions

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

Joshua Ryan Hilke
Security Monitoring of Real-time Systems

Jenna Himawan
(See also S.B., Course VI-3)
Iterative Improvement of Practice Exercises By Students and Staff

Cole R. Hoffer
(February, 2021)
Superconducting Qubit Readout Pulse Optimization Using Deep Reinforcement Learning

Zachary N. Holbrook
ProgGen: Automatic Dataset Generation for the Halide Domain Specific Language

Toby W. Holtzman
(September, 2020)
A Counting: System Architecture and Implementation of a Voice Portrait of the United States

Daniel I. Hong
Implementing a File Architecture for a Database Operating System

David E. Houle, Jr.
Analysis of the Position-Dependent Error in FTM RTT Indoor Navigation

Claire C. Hsu
Unified Graph Framework: Optimizing Graph Applications across Novel Architectures

Emily D. Hu
(February, 2021)
Dance2Music: An Exploration of Music Creation through Dance in Virtual Reality

Alexander Huang
(September, 2020)
Software Defined Memory Ownership System

Ruixue Louisa Huang
(September, 2020)
Parallel Five-Cycle Counting Algorithms

Matthew D. Huggins
(February, 2021)
Relational Dialogue

Kamoya Korede Ikhofua
(February, 2021)
Linguistic and Cultural Preservation: Building the First Online Dictionary and Repository of the Yoruba Language

Soo Jung Jang
Designing Parent-Child-Robot Triadic Storybook Reading Interaction

Adarsh Keshav S. Jeewajee
(September, 2020)
Adversarially-Learned Inference via an Ensemble of Discrete Undirected Graphical Models

Mumin Jin
Machine Learning Methods for Super-Resolution in Sparse Sensor Arrays

Malvika Raj Joshi
Pretending to be Quantum: A Study of IQP-based Tests of Quantumness

Meredith H. Julian
(See also S.B., Course VI-3)
Polyhedral Code Transformation for Julia

Ivan C. Jutamulia
Expected Possession Value: An Evaluation Framework for Decision-Making, Strategy, and Execution in Basketball

Nicolaas M. Kaashoek
CheckSync: Transparent Primary-Backup Replication for Go Applications Using Checkpoints

Sule Kahraman
Validation, Calibration and Uncertainty Quantification of the WOFOST Crop Growth Simulation Model

Endrias K. Kahssay
(February, 2021)
A Fast Concurrent and Resizable Robin Hood Hash Table

Isabella Lin Kang
(See also S.B.,Course VI-3)
Few-Shot Semi-Supervised Robust Text Classification with MAML

Sai Veda Pramoda Karnati
(February, 2021)
Automatic Assessment of Mammographic Images: Positioning and Quality Assessment

Kapaya Katongo
Joker: A Unified Interacton Model For Web Customization

Mesert Kebed
(September, 2020)
RNA Velocity Analysis for Perturb-Seq

Sean J. Kent
Advanced Laboratory Exercises for MIT's Electronics First Curriculum

Ashley Hyowon Kim
(September, 2020)
The Impact of Platform Vulnerabilities in AI Systems

Dain Kim
Imitation Learning for Sequential Manipulation Tasks: Leveraging Language and Perception

Milo Henry Lovelace Knowles
(September, 2020)
Toward Robust Deep Stereo Networks: Uncertainty Learning, Novelty Detection, and Online Adaptation

Rohan S. Kodialam
(September, 2020)
Pipelines for Deep Contextual Patient-Level Clinical Outcome Prediction

Alon Z. Kosowsky-Sachs
Multimodal Contrastive Learning

Tim Kralj
Integrating Julia and OpenCilk

Dheekshita Kumar
Reinforcement Learning for Energy Storage Arbitrage in the Day-Ahead and Real-Time Markets with Accurate Li-Ion Battery Dynamics Model

Sapna Kumari
(September, 2020)
Programming of Energy Systems Analysis

Avery Lamp
Monkey: An Easy to Use Heterogeneous Hybrid-Cloud Cluster Compute System Designed for AI/ML

Lukas C. Lao Beyer
(February, 2021)
Multi-Modal Motion Planning Using Composite Pose Graph Optimization

Lucy Ruxi Lee
(See also S.B., Course VI-2)
Denial of Service Attacks in MANETs

Sam Seunghun Lee
(February, 2021)
Single Molecule Detection and Classification Using Nanogaps

Yuan Lee
(See also S.B.,Course VIII)
Multiplexed Quantum Networks for High-Fidelity Entanglement Distribution

Helen Li
Nota Bene V2 - Understanding and Implementing Methods for Synchronous and Collaborative Learning

Justin K. Lim
Identifying Heterogeneity in Decision-Making

Yong Hui Lim
(See also S.B.,Course VI-3)
Transformer Pruning Relation and General Neural Network Augmentation

Jing Lin
(September, 2020)
De-Identification of Free-Text Clinical Notes

Cynthia T. Liu
Understanding Vision-based Dynamics Models

Steven X. Liu
(See also S.B.,Course VI-3)
Editing Conditional Radiance Fields

Sebastian A. Lopez-Cot
(September, 2020)
Learning to Teach in Multiagent Reinforcement Learning with Teams of N > 2 Agents

Kara F. Luo
(September, 2020)
Dynamic Incentives for Pro-Social Cities: An Application to Affordable Housing

Kevin A. Lyons
Automated Force-Velocity Profiling of NFL Athletes via High-Frequency Tracking Data

Jingwei Ma
Totems: Verifying the Integrity of Visual Information using Neural Light Fields

Tugsbayasgalan Manlaibaatar
(September, 2020)
Optimizing Parallel Graph Algorithms by Extending the Graphlt DSL

Jordyn L. Mann
(February, 2021)
Neural Bayesian Goal Inference for Symbolic Planning Domains

Gabriel B. Margolis
Learning Robust Terrain-Aware Locomotion

Damien W. Martin
(February, 2021)
Deep Unsupervised Fault Detection For Manufacturing Equipment

Shana Mathew
Scheduling in a Database-Based Distributed Operating System

Brooke Chelsea McGoldrick
Ising Machine Based on Electrically Coupled Spin Hall Nano-Oscillators

David Mejorado III
Multi Array, Conformable Ultrasound Patch for Soft Tissue Imaging

Zachary Michael Metzman
A Modern Approach for Measuring Environmental, Social, and Governance Preferences

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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 It's 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

Jason Youzhi Pang

Sena Perk

Daniel Piechnik

Lukasz Ploszczuk

Danielle Enscore Procter

Fabian Lucas Ptok

Namuun Purevdorj

Saad Bin Rehan

Maria Fernanda Reyes Castillo

James William Rose

Michelle Catherine Roy

Omar Mahmoud Sakr

Austin Iglesias Saragih

Leora Reyhan Sauter

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)

Rui Yin Tan

Arturo Torres Arpi Acero

Cosmo Valentino

Ornipha Vongasemjit

Ryan Christian Wilson

Zeyu Wu

Junlin Xiang

Feng Zhu

Master of Engineering in Supply Chain Management

Program in Supply Chain Management

Sanchita Das
Delivering Locally Sourced Nutritious Food Baskets in India

Juan David Suarez Moreno
Power Influence in Horizontal Collaboration Relationships

Master of Science in Engineering and Management

Program in System Design and Management

Saket Kashyap Adhikarla
Conceptualizing an Online Platform to Facilitate Purposeful Serendipity, Meaningful Networking and Hiring Through Play and Creative Collaborations

Taylor Hartley Andrews
(February, 2021)
(See also S.M., Course VI)
Cybersafety Tool Development for Socio-Technical Energy Delivery Systems

Nyoman Anjani
(February, 2021)
Absorptive Capacity and Innovative Performance Frameworks for SMEs: Case Studies from Manufacturers in Indonesia

Afra Ansaria
(See also S.M., Course VI)
A Decision Model on Optimising Cybersecurity Controls Using Organisation Preferences

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

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

Joshua Creamer
(September, 2020)
Redesigning Venture Capital

J. Roland de Filippi
(September, 2020)
A Systems Approach to Trace Space Needs for the MIT Campus, 1920-2019

Andrea Patricia Diaz Baquero
Super Apps in Emerging Markets: Business and Platform Strategy

Oladipupo Josiah Doherty
(September, 2020)
Data Literacy in the Digital Age: Experience Design for a Workplace Learning Solution

Tomás C. Egaña Tomic
(February, 2021)
A Maturity Model for Process Data Analytics in Biopharmaceutical Manufacturing

Maria Paz Etcheverry
Engineering Options Analysis of Dual Hydrogen - Natural Gas Fueling: A Texas Power Plant under Carbon Price

Georgios Fardelas
(See also Naval E., Course II)
Ship Design Through Axiomatic Design Approach, Sustainable Engineering Principles and Artificial Intelligence Methods

Erwin Franz
Development of a New Technology to Treat Obstructive Sleep Apnea

Jonathan George Fry
(February, 2021)
Design and Evolution of Large Scientific Experimental Facilities: Strategy and Implementation

Takeshi Fukatsu
(September, 2020)
Exploring Architectural Transformation to Improve Value of Plant EPC Business – Case Study of LNG Production Plant

Juan Cristóbal García Sánchez
(September, 2020)
The Entrepreneurial University: Engineering Research, Education and Catalyzing Innovation

Jordan Henry Gowen
The Influence of Physicality and Remote Collaboration in Moments of Design Convergence

Dro Jonathan Gregorian
A System-Theoretic Approach to Risk Analysis

Brady Meikle Hammond
(See also Naval E., Course II)
Hydrodynamic Interactions of an Unmanned Underwater Vehicle Operating in Close Proximity to a Moving Submarine

Nicholas Ryan Hanley
(September, 2020)
An Assessment of Production Policies in the U.S. Navy's Primary Aviation Training

Brian James Heilbrun
(September, 2020)
AI Assistant for the Oil & Gas Production Engineer

Zhuoqiao Hong
(September, 2020)
Pro-social Messages Effects in Job Posting using Machine Learning

Brendan Kelly Horton
(September, 2020)
A Systems Architecture Approach to the Design of Autonomous Underwater Vehicles and their Servicing Platforms

Yunke Hua
A Systems Approach to Effective AIOps Implementation

Henry Alan Hui
An Engineering Systems Approach to Production Planning of Optical Systems

Kritisha Kantilal Jain
Making Makerspaces Accessible for People with Visual Impairment

Gulsagar Singh Jassar
(February, 2021)
Patterns of Supply Dynamics in Competitive Scooter Sharing System

Allison Johnson
(September, 2020)
System Engineering Applied to Early Phase Offshore Oil and Gas Projects

Thomas Merle Johnson
(February, 2021)
Managing Discovered Scope Within Hybrid Agile Stage-Gate Project Delivery Systems

Eric Jamison Jones
(September, 2020)
Evaluating the SFLC Industrial Operations Organization and Delivery of Depot Maintenance to Stakeholders Through a Systems Thinking Approach

Teis Djernaes Jorgensen
Changing the Rules of the Game: Rule-Adjustment Mechanics in Tabletop Games

Yashodhan Vinay Joshi
Digital Transformation, Ecosystem Design, and Platform Strategy: An IIoT Perspective.

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

Alan Kharsansky
(September, 2020)
A Systemic Approach Toward Operable and Highly Scalable Satellite Constellations

Nahun Kim
Identifying the Prevalence and Effects of, and Motivations for Online Search Activities during Birth

Keiji Kimura
The Effect of Introducing Mobility as a Service Technologies on the Populations in Urban and Suburb Areas

Aditi Kumar
Design Alternatives to Online Proctoring Software

Shunsuke Kuribayashi
Investigating the Impact of Technology Progress on Bridging the Technological Valley of Death for Future Fusion Energy

Mollie Burke LeBlanc
(September, 2020)
Digital Twin Technology for Enhanced Upstream Capability in Oil and Gas

Jeffrey Liang Lee
(September, 2020)
Bayesian Calibration of In-line Inspection Tool Tolerance

Xuedong Li
(February, 2021)
Digitalizing R&D in the Manufacturing Sector: Machine Learning, Infrastructure, System Architecture and Knowledge Management

Caine Xia Ri Liew
(September, 2020)
Japan's Offshore Energy Transition: A System Dynamics Approach

Katherine Mei Fong Liew
Computer-Aided Design Tools for Superminds: Understanding User Needs and Evaluating Design Options

Prakash Manandhar
(September, 2020)
Measuring Attention Allocation in Model-Based Engineering Teamwork

Sucharitha Manyala
(February, 2021)
M&A Outcome Analysis from Deal Rationale Perspective in Technology Sector

Jonathan Bailey Marcus
Digital Strategy for Consumer Products

Kevin Patrick McDonough
Detecting the Influence of Stakeholders' Mental Models on Emergent Collective Awareness in Instrumented Teamwork Workshops

Yu Miyashita
(September, 2020)
Multi-Criteria Design Analysis of Sensor Systems for Railway Level Crossings

Nelson Dario Muñoz Abreu
Venture Studios: A New Asset Class Creating Opportunities for Investors and Entrepreneurs

Maya Elizabeth Ruwayn Murad
ADM Registries: Enabling Multi-Stakeholder Engagement in Algorithmic Decision Making Systems

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

Ajie Nayaka Nikicio
(February, 2021)
Architecting SatCom Enabled Early Warning Systems in Indonesia

Ke Ning
(February, 2021)
Data Driven Artificial Intelligence Techniques in Renewable Energy System

Connery Noble
(February, 2021)
Powering Through The Turn: Finding Time for Concept Exploration Before Industry Stagnation

Tochi Nwachukwu
(February, 2021)
Blockchain-as-a-Service: The Effect of Cloud Computing and Vice-Versa

Shi Chao Ou
Innovating by Behaving: How to Adopt the Startup Culture in Large Companies

Benjamin Francis Partington
(September, 2020)
A Digital Approach to the Management of Brownfields

James T. Pennington
(September, 2020)
Semiconductor Industry Merger and Acquisition Activity from a Technology Maturity and Intellectual Property Perspective

Michael Vance Pickering
(September, 2020)
Improved Reservoir Characterization by Incorporating Geodetic Data in a Western Kazakhstan Oilfield

Monisha Pushpanathan
(September, 2020)
Inferring Insulin Regimen from Clinical Notes

Daniel F. Rahill
(September, 2020)
Collaboration Effectiveness in Energy Research and Development: An Empirical Study of Patents

Joseph Brian Robinson
(February, 2021)
Connecting the Military Radiofrequency Capability Ecosystem: An Industry Platform Approach to Deliver at the Speed of Relevance

James David Ruckdaschel
(September, 2020)
The Influence of Gasoline Prices and Consideration Sets on the Fuel Economy of New Vehicle Sales

Phillip Dean Schmedeman
Predictive and Prescriptive Analytics for Airport Slot Allocation

Darien Alexis Sears
(See also Naval E., Course II)
Naval Surface Ship Maintenance: An Unconventional Approach to Improve Performance

Elvis Shehu
COVID-19 Therapeutics – A Landscape Analysis Using Systematic Reviews and Clinical Data

Anuraag Singh
(September, 2020)
A Technological Domain Description and Estimates of Rate of Improvement for All Technologies

Thomas Llewellin Smith
(February, 2021)
The Potential for Plant-Based Meat in Africa - A Proposed New Approach Using a Systems Design Methodology

Aaron D. Stinnett
(September, 2020)
Developing the Empathy UX: A Study in Building Empathy Through Technology and Media

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

Nitchakorn Tangsathapornpanich
Tradespace Analysis of Workplace Health Systems Focusing on Diabetes

Nithin Thekkupadam Narayanan
(February, 2021)
Maximizing Value Creation in Agile Sprints

Aditya Thomas
(September, 2020)
Determining Policy for a System Dynamics Model Using Reinforcement Learning

Michael Thomas Trevathan
(September, 2020)
The Evolution, Not Revolution, of Digital Integration in Oil and Gas

Prabhakar Tripathi
Building Resilient Supply Chain Using Interactive Visualization

Andrew Tsang
The Design and Implementation of Decentralized Sanitation Systems for Densely Populated Areas

ML Ujwal
Systems Pharmacology – Machine Learning Approaches in Profiling Oncology Drug Candidates

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

Nazlı Ece Usta
Designing for Student Well-Being

Cory Elizabeth Ventres-Pake
Designing for Accessible Governance Innovation in Sierra Leone

Daniel Joseph Visosky
(September, 2020)
The Use of Cost, Schedule, and Performance In the Implementation of Defense Acquisition Initiatives

Caitlin Louise Williams
(February, 2021)
Systems Approach for Evaluating the Transitioning Retail Transportation Fuel Energy Market

Oliver John Wilson
(September, 2020)
Machine Learning for Well Rate Estimation: Integrated Imputation and Stacked Ensemble Modeling

Fei Yang
(September, 2020)
From Digitalization to P&L: Integrating the Value Chain of Energy Industry to Improve Social and Financial Profits

Sam M. Yoo
A System-Theoretic Approach to Risk Analysis

Allison Tianyun Zhang
Align Mental Models for Product Development through a Quantitative Approach for Subject Matter Expert Interviews

Tianqi Zhou
(See also S.M., Course VI)
Addressing Deficiencies from Missing Data in Electronic Health Records

Master of Science in Transportation

Nicholas Samuel Caros
Course I
Leveraging Spatial Relationships and Visualization to Improve Public Transit Performance Analysis

Mary Rose Fissinger
Course I
(September, 2020)
Behavioral Dynamics of Public Transit Ridership in Chicago and Impacts of COVID-19

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

Rubén Grayson Morgan
Course I
(See also M.C.P., Course XI)
A Fare Approach to Attracting Transit Ridership After Covid-19

Benjamin C. Sanchez
Course I
New Revenue Management and Distribution Technologies in the Airline Industry: Legal, Regulatory, and Commercial Implications

Kevin Xu Shen
Course I
(February, 2021)
(See also S.M., Technology and Policy Program)
Uneven Mobility: Injustice in Accessibility and Urban Experimentation

Qing Yi Wang
Course I
(September, 2020)
Transit Extraboard Operators Scheduling

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

Naval Engineer

Course II
Department of Mechanical Engineering

Georgios Fardelas
(See also S.M., Engineering and Management)
Ship Design Through Axiomatic Design Approach, Sustainable Engineering Principles and Artificial Intelligence Methods

Timothy Samuel Fountain
(See also S.M., Course III)
The Effect of Co on the Deformation Response of Fe-Mn Alloys

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

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

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

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 Wôpanâôt8âôk

Annauk Denise Olin
Iñupiatun Iñugu**lavut Miqłiqtuvut: 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

Ali Artine Adoudou

Ahmad Alsaawy

Shinji Angata

Ilknur Bechir

Thiago Moreno Bertani

Michael Billingsley
What is the Value of the Postal Service?

Fabian Fernandes Bruzon

Nayeli Calderon Urtes

Andres Canela Mejia

Etienne Américo Cartolano Júnior

Varun Kumar Chimbli

Joshua Andrew Chisholm

Rebecca Churt

Julie Clauss

Zeina Dagher-Mansour

Carlos Theodorico De Freitas

Luis De la Mora Perez

Jolani de la Porte

Navraj Deol

Kenneth James Droddy

Brian C. Erickson

Kenneth Fan

Keitaro Fujii

Maria Gabriela Gallinal

Kevin M. Gentil
Distributed Energy Platforms: Who Will Lead the Next Electricity Revolution?

Anirban Ghosh

Nicholas Brian Giglio

Juan Edgardo Goldenberg Ibáñez

Orly Goldsmith Oppenheim

Cristian Leonardo Gonzalez Ruiz

Tom Harari

Po Yan Ho

Mototsugu Hoshino

NaNa Hwang

Ahmed Ibrahim Mohamed Tageldin Ibrahim

Zain Sulaiman Jamal

Anoosheh Kalantari

Almas Kaptagayev

Roman Vakhitovich Khabibulin
Building Efficient Virtual Sales Organizations

Baheirah Hammam Khusheim

Carla Kinugawa

Mark Kristian Kummer

Madiyar Kumurbekov

Christopher K. Leiter

Oscar Mauricio Lizcano Arango

Stella Dulce José Machel

Joshua Frank Madej

Hamad Mahmood
Building Efficient Virtual Sales Organizations

Venkata Narasimha Rao Malisetti

Tyler Vaughn Marshburn

Gaurav Mehta

Tim Michel Meulemeester

Hideharu Midorikawa

Joohi Mittal

Rafael Monroy Mejía

Manuel Armando Montes

Yoshimi Oku Morishita

Daniil Mossyakov

Melissa Erin Murphy

Pradeep Muthuswamy

Matthew Ray Nastos

Yochanan Nelson Levy, Sr.

Roberta Oshiobugie

Richard Joseph Porteous

Henry Pott

Shabda Prakash

Thomas Edward Quarmby

Alexandre Stewart Reis Moreira
Will You Like It? A Behavioral Understanding to Model Social Media Attraction Factors to Athletes' Brands and Posts

Luis Alberto Rodriguez Mora

John David Rulien

Luis Salas Del Valle

William Joseph Sangster

Sumit Saraf

Mikkel Irminger Sarbo

Nasr Faisal Sattar

Vipul Sawhney

Navroop Singh Sehmi

Priyanka Shekar

Yohei Shirasaka

Rishi Raj Shroff

David Reinhart Eduard Charles Sondakh

Nirmal Srinivas

Peter E. Stephens

Jeffrey Swiryn

Kazuhiro Tada

Junming Tang

Prashant Tibrewal

Thuy Anh Vu

Satoshi Wada

Christopher Mungo Wallace

Haibin Wen

Brittany L. White

Erik David Wisecup

Asset Yerali

Laura Maratqyzy Yerali

Hiroshi Yoshida

Charbal Malki Yousef

Zheng Zhou

Master of Business Administration

Course XV-E (Executive)
Sloan School of Management

Asim Naeem Akram

Jane Rebekah Allard

Srinivas Kumar Attipalli

Hector Baeza

Trevor Wayne Barcelo

Oscar John Benavidez

Vikas Kumar Bhaiya

Isabelle Emma Billat

Gregory Harper Bledsoe

Benjamin Keith Brown

Andrei Bubnov

Marjorie Claire Cass

Jotpreet Singh Chahal

Derek Anthony Christensen

Mark Warren Clemens II

Sean Matthew Corbett

Jaime Coronado Barbosa
Digital Transformation in Sales and Operations Planning

Melinda Anne Creasman

Jennifer Christine Cummins-Askew

Matthew Christopher Currid

Alessia De Vito

Samantha Deka

Carl Kwaku Dey

Jagjit Singh Dhaliwal

Azza Diasti-Kennedy

Keith Richard Diggans

Joseph David Domino

Daniel Adam Doneson

Nathaniel Armand Dutile

Kurt Ulrich Ehrig

Belma Erdogan-Haug

Toshinori Esaka

Isabel Espina Carvajal

Erick Jayson Forbes

Adam Merritt Fox

Si Hui Fu

Maria Paquerette Galou ep Lameyer

Melissa M. Gamble

Michael Thomas Guay

Andrea Guendelman

Marco Aurélio Guerra de Sá

Sedat Gunes

Gregory Lee Hackney

Christopher Alan Hagemo

Nicholas D. Harris

Nava Hazan

Cynthia Lee Hendrickson

Jesse Dylan Honigberg

Kevin Dwayne Johnson

Trinna Cuellar Jonikas

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Course XV
Sloan School of Management

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(See also S.M., Course XVI)
Evaluation and Implementation of Augmented Reality for Aerospace Operations and Sustainment

Ashley Seda Aydin

Pooja Aysola

Rita Azevedo Coutinho

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(September, 2020)
(See also S.M., Course II)
Workflow Evaluation of Key Work Packages in Drug Product Technologies

Neha Rajendra Bagadiya

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Raghav Batra

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Implementation of a Mathematical Approach to Rip Saw Arbor Design and Scheduling

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Breaking the Mold on Job Shops

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Ship-Pack Replenishment Optimization in a Two-Echelon Distribution System with Lost Sales and Product Obsolescence

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(See also S.M., Course I)
Raw Material Optimization to Bend the Biopharmaceutical Cost Curve

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(See also S.M., Course XVI)
Enabling Autonomy in Commercial Aviation: An Ontology and Framework for Automating Unmanned Aircraft Systems (UAS)

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(See also S.M., Course XVI)
Implementing Large Format Additive Manufacturing in Aerospace Tooling via Process Integration and Finite Element Analysis of Print Performance

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An Analytical Approach to Inventory Management for Telecommunications Network Equipment

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Jose de Lapuerta Fernandez

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Roberto De Silva Reguera

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(See also S.M., Course II)
Predictive Modeling and Optimization of Autoinjector Manufacturing

Jonathan Ross Dennett

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John Sean Donahue

Akshay Duda

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

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Luisa Eguren

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Creating Optimized Value Creation Conditions: An Additive Manufacturing Model

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Martin Eyries de la Cuadra

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Effective Integration of Additive Manufacturing at a Large Manufacturing Company

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(See also S.M., Course I)
Strategic Sourcing of Serial Production Processes in Jet Engine Manufacturing

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Network and Workflow Design and Standardization in a Large Distribution Center

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Drug Substance and Drug Product Manufacturing Strategy Assessment for siRNAs

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Bautista Gall

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Aiyah Josiah-Faeduwor

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(See also S.M., Course I)
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Erez Kaminski
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William Hudson Kaplan

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(See also S.M., Course II)
Creating Good Jobs in Automotive Manufacturing

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Determining Optimal Supply Level for Intermittent and Low Demand Parts

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(See also S.M., Course II)
Integrating Machine Learning into Data Analysis and Plant Performance

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(See also S.M., Course I)
Decoupling Continuous Manufacturing Processes to Increase New Product Valuation

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

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(See also S.M., Course XVI)
Identifying and Assessing Aerospace Parts for Production in Additive Manufacturing

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(See also S.M., Course II)
Reliability Analysis of Boeing's Dreamlifter Large Cargo Freighter

Maria Teresa Passanha Sobral Morais Leitao

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(See also S.M., Course I)
Tailored Base Surge Policy for Middle Echelon in Biologics Supply Chain

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Supanut Phrom-anant

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(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

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(See also S.M., Course II)
Assessment of Virtual-Reality-Based Digital Twins in Automotive Manufacturing Process Validation

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Applying Lean Manufacturing Concepts to a High-Mix Low-Volume Make to Order Environment

Maria Candelaria Rodriguez Sanchez

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(See also S.M., Course II)
Distribution Network Optimization to Reduce Process Variability and Improve Throughput for an Online Retailer

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(See also S.M., Course II)
Applications of Machine Learning and First-Principle Modeling to Evaluate Design Enhancements in Autoinjectors

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(See also S.M., Course II)
Designing a Make vs. Buy Strategy for Expendable and Attritable Aircraft Engine Development

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(See also S.M., Course VI)
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(See also S.M., Course II)
Modeling Air Source Heat Pump Adoption Propensity and Simulating the Distribution Level Effects of Large-Scale Adoption

Lydia Sherwood Thurman
(See also S.M., Course VI)
Assessing Inventory Replenishment Strategy at Target

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(See also S.M., Course II)
Data-Driven Business Model Strategy Development for Incumbents in B2B Markets

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(See also S.M., Course I)
Modeling Total Delivered Cost in the Automotive Industry

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(See also S.M., Course XVI)
Automating Flow of a Material Handling System

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

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(See also S.M., Course II)
Leveraging Data Analytics to Evaluate Proactive Interventions to Prevent Inventory Defects

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Identifying Risk Exposure in a Global Retail Supply Chain

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Use of Modern Machine Learning Techniques to Prevent the Occurrence and Outcome of Corporate Takeover Events

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Decomposition of Oil Price Supply and Demand Shock in Stock Returns and Economic Performances

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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

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Are Changing Margins Factored into Stock Prices?

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

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African Entrepreneurship Ecosystems: A Comparative Study of the Top Five

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A Study of Chinese Mutual Insurance

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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

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

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What are the Local Spillover Effects of Innovation?

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Comparing User Behavior When Targeted Based on Firm Inferred Interest vs. User Stated Interest

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Going by the Book: Valuation Ratios and Stock Returns

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The Announcement Waiting Game: Holding Costs, Trading, and Returns Around Earnings Announcements

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Physician Entrepreneurship: Evidence from Massachusetts

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What Determines the Allocation of Government Resources to Local Areas?

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Orchestrating Friendship in the Firm: Softening the Edges of Algorithmic Evaluation

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Taking an Occupational Lens to Worker Voice and Preference for Labor Representation

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Application Choices to Gender-Typed Jobs

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Algorithmic Intervention to Mitigate Inventory and Ordering Amplification in Multi-Echelon Supply Chains

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The Municipal Bond Valuation Puzzle: Evidence from U.S. States

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Low Engagement and Failed Choices: Exploring the Mechanism for Harbingers of Failure

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Happiness and Voting: Evidence from Four Decades of Elections in Europe

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Learning from Financial Markets and Misallocation

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Identify Experts through Revealed Confidence: Application to Wisdom of Crowds

Master of Science in Operations Research

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

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(See also M.B.A., Course XV)
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Reducing Physician Burnout and Costs in Outpatient Healthcare Settings via Advanced Analytics

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Zachery Maxwell Halem
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Preventing Opioid Overdose: From Prediction to Operationalization

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Optimizing Weapon Precision

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An EM Algorithm for Lidar Deconvolution

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Master of Science in Chemistry
Course V
Department of Chemistry

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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

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

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

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 Daepp
(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 Traficonte
(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

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

Sarah Christine Bening
(February, 2021)
Thesis in the field of Biological Engineering: Exploring and Enhancing Context-Dependent Beta-Lactam Antibiotic Efficacy

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

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

Davis Whitaker Blalock
(September, 2020)
Thesis in the field of Electrical Engineering and Computer Science: Fast Building Blocks for Machine Learning

David Allan Bloore
Thesis in the field of Nuclear Science and Engineering: Spin-Aware Neural Network Interatomic Potential for Atomistic Simulation

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

Matthew S. Brennan
Thesis in the field of Electrical Engineering and Computer Science: Reducibility and Statistical-Computational Gaps from Secret Leakage
(Posthumous Award)

Edward Emmett Burnell
(September, 2020)
Thesis in the field of Mechanical Engineering: A Worker-Centered Approach to Convex Optimization in Engineering Design

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

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

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

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

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

Paphonwit Chaiwatanodom
Thesis in the field of Chemical Engineering: Fault Detection and Identification of Large-Scale Dynamical Systems

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

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

Amanda Chen
(February, 2021)
Thesis in the field of Biological Engineering: Probing the Role of Cell-Cell Interactions in Hepatic Ensembles

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

Samuel Chapman Chevalier
(February, 2021)
Thesis in the field of Mechanical Engineering: Inference, Estimation, and Prediction for Stable Operation of Modern Electric Power Systems

Joonwon Choi
(February, 2021)
Thesis in the field of Electrical Engineering and Computer Science: Structural Design and Proof of Hierarchical Cache-Coherence Protocols

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

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

James R. Clark
(September, 2020)
Thesis in the field of Aeronautics and Astronautics: Space-Based Laser Guide Stars for Astronomical Observatories

Thomas Charles Close, Jr.
(February, 2021)
Thesis in the field of Chemical Engineering: Kinetic Analysis of Leaching Reactions in Multi-component Mineral Systems

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

Carolyn Patricia Coyle
(September, 2020)
Thesis in the field of Nuclear Science and Engineering: Advancing Radiative Heat Transfer Modeling in High-Temperature Liquid-Salts

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

Isabel R. Crystal
Thesis in the field of Materials Science and Engineering: Size Effects in Shape Memory Ceramics

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 Respones

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

Erika Alden DeBenedictis
(February, 2021)
Thesis in the field of Biological Engineering: Engineering Exclusively-Quadruplet Codon Translation in vivo

Skylar Deckoff-Jones
Thesis in the field of Materials Science and Engineering: Chalcogenide Glass on Layered van der Waals Crystals for Integrated Photonic Devices

Zhiwei Ding
Thesis in the field of Materials Science and Engineering: Phonon Hydrodynamic Transport at Elevated Temperature

Kimberly Tam Dinh
(September, 2020)
Thesis in the field of Chemical Engineering: Catalytic Conversion of Methane to Partially Oxidized Products over Copper-Exchanged Zeolites

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

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

Wentao Dong
(September, 2020)
Thesis in the field of Chemical Engineering: Exploring Cancer Metabolism Through Isotopic Tracing and Metabolic Flux Analysis

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

Pablo Philippe Ducru Clouthier
Thesis in the field of Computational Nuclear Science and Engineering: Nuclear Computations Under Uncertainty

Emma Chute Edwards
(September, 2020)
Thesis in the field of Mechanical Engineering: Optimization of the Geometry of Axisymmetric Point-Absorber Wave Energy Converters

Daniela Espinosa Hoyos
(September, 2020)
Thesis in the field of Chemical Engineering: Engineering Myelination *In Vitro*

Michael F. Everett
(September, 2020)
Thesis in the field of Mechanical Engineering: Algorithms for Robust Autonomous Navigation in Human Environments

Boyu Fan
(September, 2020)
Thesis in the field of Mechanical Engineering: Instabilities of Finite-Width Internal Wave Beams

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

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 Fraggedakis
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

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

Sagar Indurkhya
(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

Michael George Kapteyn
Thesis in the field of Computational Science and Engineering: Mathematical and Computational Foundations to Enable Predictive Digital Twins at Scale

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

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

Ali Khalatpour
(September, 2020)
Thesis in the field of Electrical Engineering and Computer Science: New Frontiers in THz Quantum Cascade Lasers

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

Beomjoon Kim
(September, 2020)
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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

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Thesis in the field of Chemical Engineering: Development of a Lithium-Mediated Nitrogen Reduction Process

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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

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(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

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Thesis in the field of Political Science: Commerce and Coercion in Contemporary China: Local Leader Responses to Foreign Policy Crises

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Thesis in the field of Political Science: Mare Interpretatum: Continuity and Evolution in States' Interpretations of the Law of the Sea

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Thesis in the field of Linguistics submitted to the Department of Linguistics and Philosophy: Loanwords and the Perceptual Map: A Perspective from MaxEnt Learning

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Thesis in the field of Economics: Essays on Industrial Organization and Health Care Markets

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(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
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Thesis in the field of Operations Research: Algorithmic Advancements in the Practice of Revenue Management

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Thesis in the field of Operations Research: Structure, Dynamics, and Inference in Networks

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Thesis in the field of Operations Research: Past Price and Trend Effects in Promotion Planning; from Prediction to Prescription

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Thesis in the field of Management: Essays on Professionals' Temporal Autonomy

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Thesis in the field of Operations Research: Optimizing School Operations

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Thesis in the field of Management: Essays in Financial Economics

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Essays on Spillover Effects in the Digital Economy

SCHOOL OF SCIENCE,DOCTORAL

Doctor of Philosophy

School of Science

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Thesis in the field of Physics: Measurement of $H\ rightarrow b\ bar{b}$ in Associated Production with the CMS Detector

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Thesis in the field of Cognitive Science submitted to the Department of Brain and Cognitive Sciences: Learning to Act with Objects, Relations and Physics

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Thesis in the field of Biology: Keep The ORCs at Bay: How Eukaryotic Cells Ensure One Round of DNA Replication Per Cell Cycle

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Thesis in the field of Mathematics: Construction of Deligne Categories through Ultrafilters and Its Applications

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Thesis in the field of Chemistry submitted to the Department of Chemistry: Environmental Tuning of the Reactivity of Molecules Confined to Polarized Interfaces

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Thesis in the field of Physics: Machine Learning and Variational Algorithms for Lattice Field Theory

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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

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Thesis in the field of Chemistry submitted to the Department of Chemistry: Polymers to Modulate Host-Microbe Interactions

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Thesis in the field of Biology: Development and Characterization of Immunogenic Genetically Engineered Mouse Models of Pancreatic Cancer

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Thesis in the field of Mathematics: Spectral Fukaya Categories of Liouville Manifolds

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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

Zhaoqi 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

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Thesis in the field of Chemistry submitted to the Department of Chemistry: Re-Targeting of Anthrax Toxin Binding for Immunomodulation and Targeted Cancer Therapy

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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

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Thesis in the field of Chemistry submitted to the Department of Chemistry: Organometallic Palladium Reagents for Polypeptide Bioconjugation and Macrocyclization

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Thesis in the field of Physics: Energy Flow in Particle Collisions

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Thesis in the field of Mathematics: Themes in Numerical Tensor Calculus

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Thesis in the field of Chemistry submitted to the Department of Chemistry: Expanding Deoxygenative Transformations of Alcohols by Phosphorus Compounds through Geometric Deformation

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Thesis in the field of Mathematics: Multiplicative Structures on Brown–Peterson Spectra at Odd Primes

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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
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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

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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
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Jianhua Gong
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Christina Maria Hernández
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Rachel Mary Housego
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Ming-Yi Jeffrey Mei
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Nathaniel Rust Mollica
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Ryan Edward O'Shea
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Benjamin Macy Urann
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Elizabeth Jane Wallace
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Madeleine Kendall Youngs
(September, 2020)
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