

# conference.program

3.31.16

9am

Title	Presenter	Notes
<b>PDR 1 + 2</b>	<b>with Emily Zhang</b>	
(no title)	Jessica Pointing	14 *
(no title)	Connor Sell	15
PID Controllers: boat steering and moon landing	Ethan DiNinno	14
(no title)	Justin Xiao	14
(no title)	Kevin Wen	16
<b>Twenty Chimneys</b>	<b>with Professor Muriel Medard</b>	
(no title)	Bryce Hwang	2 *
(no title)	Ivan-Tadeu Ferreira-Antunes-Fil	2
(no title)	Benny Zhang	2
(no title)	Antoine Nasr	2
The Hodgkin-Huxley Model and Making Friends	Anita Liu	2
<b>Mezzanine Lounge</b>	<b>with Francis Chen</b>	
(no title)	Sitara Persad	17 *
(no title)	Jared Counts	17
(no title)	Matthew Guthmiller	17
(no title)	Max Justicz	14
(no title)	Kamilla Tekiela	14
<b>Coffeehouse Lounge</b>	<b>with Alex Chumbley &amp; Dr. Jason Miller</b>	
(no title)	Eric Fegan	11 *
(no title)	Sarah Shader	11
(no title)	Francesca Cicileo	12
(no title)	Nicholas McCoy	13
(no title)	Angel Carvajal	13
<b>PDR 4</b>	<b>with Virginia Chiu</b>	
One Bit Two Bit, Red Bit Qubit: Understanding Quantum Computers	Matt Basile	12 *
(no title)	Antonio Rivera	13
(no title)	Emily Benz	13
(no title)	Kevin Kusch	12
(no title)	Asya Bergal	12

Title	Presenter	Notes
<b>PDR 1 + 2</b>	<b>with Professor Tim Lu</b>	
(no title)	Everardo Rosales	3 *
(no title)	Rebekah Cha	3
(no title)	Or Oppenheimer	3
(no title)	Hongyi Shi	3
(no title)	Alexander Stewart	3
<b>Twenty Chimneys</b>	<b>with Professor Muriel Medard</b>	
(no title)	Amanda Liu	7 *
(no title)	Emily Armstrong	7
(no title)	Kevin Kwok	7
(no title)	Kevin Li	7
(no title)	Adrian Mora	7
<b>Mezzanine Lounge</b>	<b>with Francis Chen</b>	
(no title)	Devin Morgan	7 *
(no title)	Aaron Rose	7
(no title)	Thomas Harris	17
(no title)	Kathleen Johnson	17
(no title)	David Kang	17
<b>Coffeehouse Lounge</b>	<b>with Alex Chumbley</b>	
(no title)	Sara Sinback	1 *
(no title)	Andrew Titus	3
How Do Airplanes Fly?	Alice Zielinski	3
(no title)	Sen Chang	11
(no title)	Lynda Tang	11
<b>PDR 4</b>	<b>with Professor Sangeeta Bhatia</b>	
(no title)	Camilo Ruiz	1 *
(no title)	John Brown	1
(no title)	Timothy Higgins	1
(no title)	Eric Lau	1
How to Turn Atoms into an Atomic Clock	Catherine Medlock	1

11am

Title	Presenter	Notes
<b>PDR 1 + 2</b>	<b>with Professor Tim Lu</b>	
(no title)	Hairuo Guo	4 *
(no title)	Jasmeet Arora	4
(no title)	Kevin Chan	4
(no title)	Heejo Keum	4
(no title)	Heeyoon Kim	4
<b>Twenty Chimneys</b>	<b>with Professor Muriel Medard</b>	
(no title)	Julia Guo	8 *
(no title)	Amelia Becker	8
Principles of 2D Printing	Tucker Cheyne	8
(no title)	Will Haack	8
(no title)	Hau Lian	8
<b>Mezzanine Lounge</b>	<b>with Nick Uhlenhuth*</b>	
How the Duck does Autocorrect (and other word prediction) Work?	Tilly Taylor	13
Fitting More Music on your iPod Using Fourier Transforms	Stephanie Pavlick	8
(no title)	Gerrod Voigt	16
(no title)	José Velarde	16
<b>Coffeehouse Lounge</b>	<b>with Alex Chumbley</b>	
(no title)	Emily VanBelleghe	4 *
(no title)	Cristina Mata	4
(no title)	Phillip Ai	12
(no title)	Alex Huang	11
(no title)	Roberto Soto	12
<b>PDR 4</b>	<b>with Emily Zhang</b>	
(no title)	Mahmoud Ghulman	10 *
(no title)	Laponchai Jirachuphun	10
Magnets, How do They Work?	Victor Lopez	16
PID Controllers: boat steering and moon landing	Vahid Fazel-Rezai	15
Bézier Curves: How a Simple Plan Wins	Kenny Friedman	15

12pm

Title	Presenter	Notes
<b>PDR 1 + 2</b>	<b>with Professor Tim Lu</b>	
(no title)	Jason Liang	5 *
(no title)	Blake Elias	5
(no title)	Jeremy Ellison	5
(no title)	Margaret Guo	5
(no title)	Zixi Liu	5
<b>Twenty Chimneys</b>	<b>with Professor Muriel Medard</b>	
(no title)	Nichole Clarke	9 *
(no title)	Lee Gavrin	9
(no title)	Joe Kusters	9
(no title)	Kevin Phillips	9
(no title)	Allan Sadun	9
<b>Mezzanine Lounge</b>	<b>with Professor Luís Velásquez-García</b>	
(no title)	Arturo Campos	15 *
(no title)	Donald Little	9
(no title)	Jeremy Bogle	15
	Deanna Heer	14
(no title)	Matthew Kalinowski	15 >
<b>Coffeehouse Lounge</b>	<b>with Alex Chumbley</b>	
Quantum Superposition: When guessing is good enough	Dencil Wilmot	5 *
(no title)	Alex Souvannakhot	5
(no title)	Tamar Weseley	5
(no title)	Colin McDonnell	15
(no title)	Gabrielle Rivera	9
<b>PDR 4</b>	<b>with Virginia Chiu</b>	
(no title)	Lily Zhou	13 *
(no title)	Daniel Moon	13
Real Life Mind Control	Michaela Ennis	13
(no title)	Morgan O'Brien	13
(no title)	Devin Neal	11 >

1pm

Title	Presenter	Notes
<b>PDR 1 + 2</b>	<b>with Emily Zhang</b>	
(no title)	Liza Gaylord	14 *
(no title)	Akshay Ravikumar	17
(no title)	Barbara Duckworth	15
(no title)	Weilian Chu	14
(no title)	Logan Martin	10
(no title)	Andre Mroz	
<b>Twenty Chimneys</b>	<b>with Dr. Jason Miller &amp; Nikhil</b>	
(no title)	Victoria Xia	11 *
(no title)	Emmanuel Fasil	12
(no title)	Andre Walker	10
(no title)	Zachary Neely	10
(no title)	Maria Karelina	10

## Special thanks to:

Katherine Touafek (School to Careers Partnership)  
 Alison Langsdorf (Weston)  
 David Case (Madison Park)  
 MIT CAC  
 Emily Zhang (MIT)