conference.program

3.31.16

9am

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| Title | Presenter Notes |

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| **PDR 1 + 2** | with Emily Zhang | |
| (no title) | Jessica Pointing 014 \* | |
| (no title) | Connor Sell 115 \* | |
| PID Controllers: boat steering and moon landing | | Ethan DiNinno 14 \* |
| (no title) | | Justin Xiao 14 \* |
| (no title) | Kevin Wen 016 \* | |
| **Twenty Chimneys** | with Professor Muriel Medard | |
| (no title) | Bryce Hwang 02 \* | |
| (no title) | Ivan-Tadeu Ferreira-Antunes-Fil 02 \* | |
| (no title) | | Benny Zhang 2 \* |
| (no title) | Antoine Nasr 02 \* | |
| The Hodgkin-Huxley Model and Making Friends | Anita Liu 02 \* | |

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| **Mezzanine Lounge** | | with Francis Chen |
| (no title) | Sitara Persad 117 \* | |
| (no title) | | Jared Counts 17 \* |
| (no title) | | Matthew Guthmiller 17 \* |
| (no title) | | Max Justicz 14 \* |
| (no title) | | Kamilla Tekiela 14 \* |

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| **Coffeehouse Lounge** | with Alex Chumbley & Dr. Jason Miller |
| (no title) | Eric Fegan 11 \* |
| (no title) | Sarah Shader 11 \* |
| (no title) | Francesca Cicileo 12 \* |
| (no title) | Nicholas McCoy 013 \* |
| (no title) | Angel Carvajal 013 \* |

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| **PDR 4** | with Virginia Chiu | |
| 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 012 \* |

10am

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| **PDR 1 + 2** | with Professor Tim Lu |
| (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 \* |

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| **Twenty Chimneys** | with Professor Muriel Medard |
| (no title) | Amanda Liu 07 \* |
| (no title) | Emily Armstrong 07 \* |
| (no title) | Kevin Kwok 07 \* |
| (no title) | Kevin Li 07 \* |
| (no title) | Adrian Mora 07 \* |

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| **Mezzanine Lounge** | | with Francis Chen |
| (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 \* |
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| **Coffeehouse Lounge** | with Alex Chumbley | |
| (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 \* | |
| **PDR 4** | with Professor Sangeeta Bhatia | |
| (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 \* |
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11am

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| **PDR 1 + 2** | with Professor Tim Lu |
| (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 \* |

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| **Twenty Chimneys** | with Professor Muriel Medard |
| (no title) | Julia Guo 08 \* |
| (no title) | Amelia Becker 08 \* |
| Principles of 2D Printing | Tucker Cheyne 08 \* |
| (no title) | Will Haack 08 \* |
| (no title) | Hau Lian 08 \* |

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| **Mezzanine Lounge** | | | with Nick Uhlenhuth\* |
| 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 \* |
|  | |  | |
| **Coffeehouse Lounge** | with Alex Chumbley | | |
| (no title) | Emily VanBelleghem 4 \* | | |
| (no title) | Cristina Mata 4 \* | | |
| (no title) | Phillip Ai 12 \* | | |
| (no title) | Alex Huang 11 \* | | |
| (no title) | Roberto Soto 12 \* | | |

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| **PDR 4** | with Emily Zhang |
| (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

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| **PDR 1 + 2** | with Professor Tim Lu |
| (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 \* |

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| **Twenty Chimneys** | with Professor Muriel Medard | |
| (no title) | | Nichole Clarke 09 \* |
| (no title) | | Lee Gavrin 9 \* |
| (no title) | | Joe Kusters 9 \* |
| (no title) | | Kevin Phillips 09 \* |
| (no title) | | Allan Sadun 09 \* |

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| **Mezzanine Lounge** | with Professor Luís Velásquez-García |
| (no title) | Arturo Campos0 15 \* |
| (no title) | Donald Little 0 9 \* |
| (no title) | Jeremy Bogle0 15 \* |
|  | Deanna Heer0 14 \* |
| (no title) | Matthew Kalinowski 15 > |

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| **Coffeehouse Lounge** | with Alex Chumbley |
| Quantum Superposition: When guessing is good enough | Dencil Wilmot 05 \* |
| (no title) | Alex Souvannakhot 05 \* |
| (no title) | Tamar Weseley 05 \* |
| (no title) | Colin McDonnell 015 \* |
| (no title) | Gabrielle Rivera 09 \* |

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| **PDR 4** | with Virginia Chiu |
| (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

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| Title | Presenter Notes |

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| **PDR 1 + 2** | with Emily Zhang |
| (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 \* |

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| **Twenty Chimneys** | with Dr. Jason Miller & Nikhil |
| (no title) | Victoria Xia 11 \* |
| (no title) | Emmanuel Fasil 012 \* |
| (no title) | Andre Walker 10 \* |
| (no title) | Zachary Neely 010 \* |
| (no title) | Maria Karelina 10 \* |

Special thanks to:

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         David Case (Madison Park)  
         MIT CAC  
         Emily Zhang (MIT)