

The UC Santa Barbara Department of Physics Presents:

THE 7TH ANNUAL WORSTER SYMPOSIUM

Friday, October 20, 2017

2:00-5:00 PM

1640 Broida Hall

Made possible by a generous gift from the Worster family, the Symposium [showcases the achievements of six Undergraduate-Graduate student teams](#) who conducted research in Physics during Summer 2017.

- 2:00 *Introduction*
 Donald Marolf
- 2:05 *Interdigital Transducers for Hybrid Quantum Devices*
 Andrew Barabas. *Advised by Jeff Cady (PI: Ania Jayich)*
- 2:30 *Quantum Gas Microscope Development*
 James Chow. *Advised by Peter Dotti (PI: David Weld)*
- 2:55 *Quantum Field Theory and On-Shell Constructibility*
 Aidan Herderschee. *Advised by Seth Koren (PI: Nathaniel Craig)*
- 3:20 Refreshments
- 3:45 *Electronic Properties of Tri-Layer Graphene*
 Carlos Kometter. *Advised by Alexander Zibrov (PI: Andrea Young)*
- 4:10 *Are Galaxies Foggy?*
 Neeraj Kulkarni. *Advised by Suoqing Ji (PI: Peng Oh)*
- 4:35 *Characterization of Fracture Resistance and Robustness in Network-Based Models of Heterogeneous Biological Materials*
 Avik Mondal. *Advised by Chantal Nguyen (PI: Jean Carlson)*