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)