

IfA REU Symposium

August 2, 2018

- 9:00 – 9:05 Introduction and Opening Remarks
Dr. Velma Kameoka (Associate Vice Chancellor for Research, University of Hawai‘i at Mānoa)
- 9:05 – 9:10 Undergraduate Research at the UH
Dr. Creighton Litton (Director of the UH Undergraduate Research Opportunities Program (UROP), University of Hawai‘i at Mānoa)
- 9:10 – 9:15 REU program at the UH Institute for Astronomy
Dr. Nader Haghighipour (Director of the IfA REU program)
- 9:15 – 9:30 Characterizing White Dwarf Variability with Time-Series GALEX Observations
Dominick Rowan (Haverford College)
- 9:30 – 9:45 Developing an Atmosphere Simulator for the Keck Pyramid Wavefront Sensor
Michael Colletta (Vassar College)
- 9:45 – 10:00 Analysis of Coronal Holes in the Descending Phase of Solar Cycles 23 and 24 Using EUV and Magnetic Field data
Andrea Minot (Brown University)
- 10:00 – 10:15 Spectral Energy Distribution of Luminous X-ray Selected AGN
Kurt Hamblin (University of Maryland, Baltimore County)
- 10:15 – 10:30 On the Origin of Free-floating Planets: Planet Ejection During Terrestrial Planet Formation
Ajani Bakari (Chattanooga State Community College)
- 10:30 – 10:45 Experimental Demonstration of a 3-sided Reflective Pyramid Wavefront Sensor
Dominic Sanchez (University of Arizona-Tucson)
- 10:45 – 11:00 **Coffee Break**
- 11:00 – 11:15 Revealing the Variability of Naked-eye Ecliptic Stars with K2 Halo Photometry
Michael Greklek-McKeon (University of Maryland, College Park)
- 11:15 – 11:30 Revised Simulations of the Planetary Nebulae Luminosity Functions
Lucas Valenzuela (Ludwig Maximilian University, Munich, Germany)
- 11:30 – 11:45 A Statistical Analysis between Observed Coronal Holes during the Descending Phase of Solar Cycles 23 and 24, and the PFSS Model
Jonathan Lee (University of Colorado, Boulder)

- 11:45 – 12:00 Spectral Energy Distribution of far Infrared Selected X-ray AGN
Jason Brewster (University of Maryland, Baltimore County)
- 12:00 – 12:15 Characterizing Photon Counting Properties of SAPHIRA Detectors
Lincoln Craven-Brightman (Harvard College)
- 12:15 – 12:30 Formation of Close-in Super-earth Planets and Giant Planet Migration
Christophe Lenert (University of Lyon)
- 12:30 – 12:45 On the Origin of Free-Floating Planets: The Effect of Planet Migration
Jordan Jubeck (Duquesne University)