

COLLEGE OF OPTICAL SCIENCES



RESEARCH IN OPTICS PROGRAM

Oral Presentations 2017

August 4, 2017



RiO Oral Presentation Program



Dr. John Koshel

9:00 AM - 9:10 AM

Associate Dean, OSC, U. of Arizona

RiO Welcome



Madison Burger

9:10 AM - 9:30 AM

University of Nebraska - Lincoln

***Thermal Simulation of Laser Curing of 3D
Optical Printing Application***

Dr. Ronguang Liang, Zhihan Hong



Michael Choquer

9:30 AM - 9:50 AM

University of Washington

***Computational Modeling of Spintronic
Terahertz Emitters***

Dr. Rolf Binder, Dennis Nenno



Elizabeth DeJong

9:50 AM - 10:10 AM

Haverford College

***Creating, manipulating and imaging
complex quantum states in a single atom***

Dr. Poul Jessen, Kevin Kuper



Christian Hawkins

10:10 AM - 10:30 AM

College of Charleston

Studying the Form-Fit Time of Sheer-Thickening Fluids on a Concave Surface

Dr. Dae Wook Kim, Logan Graves

10:30 AM – 11:00 AM - Break for Light Refreshments



Madison Jaegar

11:00 AM - 11:20 AM

Rose-Hulman Institute of Technology

Optical Incoherent Super Resolution

Dr. Amit Ashok, Ronan Kerviche



John Koopal

11:20 AM - 11:40 AM

Rose-Hulman Institute of Technology

Telescopic Solar Condenser for Destruction of Dissolved Organic Nitrogen Molecules in Waterways

Dr. Tom Milster, Emily Finan



Daniela Marin

11:40 AM - 12:00 PM

William Jewell College

Circular Polarization Signatures in Nature

Dr. Stanley Pau, Yitian Ding



Nicholas Mennona

12:00 PM - 12:20 PM

Vassar College

Interactive Graphical User Interface for Ray Aberration Generator 3.0

Dr. Yuzuru Takashima, Guanghao Chen



Austin Singh

12:20 PM - 12:40 PM

University of Central Florida

Construction of an apparatus to monitor trapped particles in optical tweezers

Dr. Euan McLeod, Jeffery Melzer

12:40 PM - Closing Remarks

The RiO Program would like to give a special thanks to the collaborators for their support of the program and the students

