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