

**Day 1,
Sep 23rd
2017**

**Category: Nanotechnology for Energy and Environment
Location: SASC Building, Classroom 202**

7:15 - 8:10	Registration / Breakfast
8:10 - 8:20	Dr. Kenneth Furton Speech (Florida International University's provost)
8:20 - 8:30	Dr. Andres Gil's Speech (Vice President of Sponsored Research)
8:30 - 9:20	Plenary Speaker Introduction (Dr. Nair) Plenary Speaker Talk: Dr. Tatiana Bronich University of Nebraska
9:20 - 9:30	Morning Coffee and Snack Break
Session 1 Starts	
9:30 - 10:00	Keynote Speaker Dr. Ajeet Kaushik <i>Title: Nano-Bio-Technology for Personalized Healthcare</i> Florida International University
10:00 - 10:15	Ahmad Khater <i>Title: Evaluating Copper Uptake in Solanum Lycopersicum using Elemental Analysis</i> University of Central Florida
10:15 - 10:30	Ali Khater <i>Title: Graphene Based Lithium-Ion Battery Anodes with Decorated Glassy Structures</i> University of Central Florida
10:30 - 10:45	
10:45 - 11:00	Coffee and Snack Break
Session 2 Starts	
11:00 - 11:30	Keynote Speaker Dr. Yang Yang <i>Title: Electrochemical Fabrication of Nanostructured Thin-Film for Renewable Energy Applications</i> University of Central Florida
11:30 - 11:45	Angie M. Diaz <i>Title: Effect of Metal Ions on Polyelectrolyte Nanofiber Mechanics</i> University of Central Florida

11:45 - 12:00	<p>Arun Thapa <i>Title: Synthesis of vertically aligned carbon nanotubes (VACNTs) on Stainless Steel Substrate</i> Florida International University</p>
12:00 - 12:15	<p>Daniel Wynn <i>Title: Engineering a biosensor for environmental pollutants using surfacedisplayed proteins on Bacillus megaterium spores</i> University of Miami</p>
12:15 - 1:45	<p>Lunch Poster Presentations / Active Discussion Tables University of Central Florida Master Program Presentation</p>
Session 3 Starts	
1:45 - 2:15	<p>Keynote Speaker Dr. Hedi Mattoussi <i>Title: Peptide-Mediated Cytosolic Internalization of Luminescent Quantum Dots Au Nanoparticles</i> Florida State University</p>
2:15 - 2:30	<p>Edward B. Miller <i>Title: Rapid Hydrodehalogenation of Brominated Diphenyl Ethers Using Pd-decorated m-BiVO₄/BiOBr Nanocomposite Photocatalyst</i> University of Miami</p>
2:30 - 2:45	<p>Elnaz Zeynaloo <i>Title: Iodide-selective sensor based on clamshell: Unimolecular 2:1 binding bis-macrocyclic Ionophore</i> University of Miami</p>
2:45 - 3:00	<p>Dr. Elsayed M. Zahran <i>Title: Enhancing the light-driven catalytic activity of m-BiVO₄ with Pd nanoparticles and BiOBr nanosheets dual heterojunction: improved degradation of organic contaminants</i> University of Miami</p>
Session 4 Starts	
3:00 - 3:30	<p>Keynote Speaker Dr. Jin He <i>Title:</i> Florida International University</p>
3:30 - 3:45	
3:45- 4:00	<p>Jennifer Bustillos <i>Title: Multi-scale Mechanical Properties of Biodegradable Mushroom-based Leather</i> Florida International University</p>

4:00 - 4:15	<p>Jeremy Baum <i>Title: Development of Silicone-based Wristband Sampling for Human Chemical Exposure Assessment</i> University of Miami</p>
4:15 - 4:30	Coffee and Snack Break
Session 5 Starts	
4:30 - 5:00	<p>Keynote Speaker Dr. Pratik Shah <i>Title: Roll of Cell-on-Chip Platforms in Probing Cytotoxicity of Nanomaterials</i> Stryker</p>
5:00 - 5:15	<p>Pranjal Nautiyal <i>Title: Boron Nitride Nanotube Induced Strengthening of Lightweight Aluminum Composite for Fuel-Efficient Aerospace & Automotive Structures</i> Florida International University</p>
5:15 - 5:30	<p>Leandra Gissel <i>Title: The Effects of Early Snow-melt on the Pollination and Seed Production of Delphinium nuttallianum.</i> Rocky Mountain Biological Laboratory</p>
5:30 - 5:45	<p>Mikael Young <i>Title: Fixed-Quat: A non-metal alternative to copper biocides</i> University of Central Florida</p>

Day 2, Sep 24th 2017	Category: Nanotechnology for Energy and Environment Location: SASC Building, Classroom 202
9:00 - 9:30	Morning Coffee and Snack Break
Session 1 Starts	
9:30 - 10:00	<p style="text-align: center;">Keynote Speaker Dr. Jean-Hubert Olivier <i>Title: Redox-Assisted Self-Assembly Provides Function-enhanced Superstructures Relevant for Solar Energy Capture and Conversion</i> University of Miami</p>
10:00 - 10:15	<p style="text-align: center;">Mitsushita Doorma <i>Title: Comparative analysis of Zinc based antimicrobials against plant pathogens</i> University of Central Florida</p>
10:15 - 10:30	<p style="text-align: center;">Nicholas Ciaffone <i>Title: Evaluating the diffusion and translocation of antibacterial treatment in plant systems</i> University of Central Florida</p>
10:30 - 10:45	<p style="text-align: center;">Raphael Coste <i>Title: Nanoscale probing of the mechanical and chemical properties of poplar cell walls</i> University of Central Florida</p>
10:45 - 11:00	Coffee and Snack Break
Session 2 Starts	
11:00 - 11:30	<p style="text-align: center;">Keynote Speaker Dr. Kurt Winkelmann <i>Title: An Experiment Demonstrating the Synthesis and Toxicity of Silver Nanoparticles for an Introductory Nanotechnology Laboratory Course</i> Florida Institute of Technology</p>
11:30 - 11:45	<p style="text-align: center;">Sailee Nagpurkar <i>Title: Vegetable Based Biodiesel Kinetic Parameter Analysis</i> University of South Florida</p>
11:45 - 12:00	
12:00 - 12:15	<p style="text-align: center;">Xavier Prado <i>Title: Bacterial Spores as Platforms for Multiplex Bioremediation</i> University of Miami</p>
12:15 - 1:45	<p style="text-align: center;">Lunch Active Discussion Tables Dr. Ranu Jung Speech (Chair of Biomedical Engineering) Award Ceremony Dr. John Volakis Closing Speech (Dean of College of Engineering and Computing)</p>