



University Graduate School  
FLORIDA INTERNATIONAL UNIVERSITY

GPSC GRADUATE &  
PROFESSIONAL STUDENT  
COMMITTEE



Scholarly Forum  
Oral Presentation Program  
Day 2

**Day 2**  
**Tuesday, March 28th**  
**9:00 AM-10:30 AM**  
**Room #1**

<b>Time</b>	<b>Field</b>	<b>Presenter's name</b>	<b>Title of the presentation</b>
9:00 AM – 9:15 AM	Engineering	Amit Kumar Sikder	6thSense: Context-aware Sensory Channel Attack Detector
9:15 AM – 9:30 AM	Health Sciences	Pamela Garcia	Ethacridine as an alternative for Tuberculosis treatment: potential target, resistance mechanisms and effect on Moxifloxacin lethality
9:30 AM – 9:45 AM	Psychology and Behavioral Sciences	Katherine Bottenhorn	Cooperating yet distinct brain networks engaged during naturalistic paradigms: A meta-analysis of functional MRI results
9:45 AM – 10:00 AM	Chemistry and Physics	Georgiana Gibson-Daw	Ultrahigh speed PCR: A method for obtaining STR based genotypes in 8 minutes or less.
10:00 AM – 10:15 AM	Engineering	Mohamadtaqi Baqersad	Asphalt Mixture Segregation Detection: Digital Image Processing Approach
10:15 AM – 10:30 AM	Others	Md Tanvir Pavel	Household Preferences for Adaptation: State vs. Federal Approach for Managing Coastal Vulnerability

**Day 2**  
**Tuesday, March 28th**

**9:00 AM-10:30 AM**

**Room #2**

<b>Time</b>	<b>Field</b>	<b>Presenter's name</b>	<b>Title of the presentation</b>
9:00 AM – 9:15 AM	Engineering	Armana Huq	Identification of Pedestrian Crash Hotpots Using GIS Spatial Analysis
9:15 AM – 9:30 AM	Health Sciences	Ramandeep Kaur	Evaluating the effectiveness of a lifestyle modification intervention on metabolic syndrome in a disadvantaged population
9:30 AM – 9:45 AM	Psychology and Behavioral Sciences	Sandy Gonzalez	Comparing Hispanic infant populations on comprehension of IDHC:PG items
9:45 AM – 10:00 AM	Chemistry and Physics	Elwood Kwong Lam	Investigating the role of the proximal cysteine hydrogen bonding network in chloroperoxidase
10:00 AM – 10:15 AM	Engineering	Sayeed Alam	Analyzing Eye-Tracking Information in Visualization and Data Space: from Where on the Screen to What on the Screen
10:15 AM –10:30 AM	Education	Jessica Bartley	Uncovering the Neural Substrates of Physics Problem Solving: Brain Mechanisms and Behavior Correlates

**Day 2**  
**Tuesday, March 28th**  
**10:45 AM - 12:00 PM**  
**Room #1**

<b>Time</b>	<b>Field</b>	<b>Presenter's name</b>	<b>Title of the presentation</b>
10:45 AM -11:00 AM	Engineering	Arash Ahmadvand	Magnetoplasmonic toroidal terahertz metasurface for advanced biosensing: A Zika virus assay
11:00 AM -11:15 AM	Biology	Benjamin Wilson	Saltwater Intrusion into a Brackish Water Marsh Alters Ecosystem Carbon Cycling
11:15 AM -11:30 AM	Psychology and Behavioral Sciences	Emily Boeving	Social Neuroimaging in Context: Applying the RDoC Systems Framework Yields Distinct Cliques in the Social Brain
11:30 AM -11:45 AM	Chemistry and Physics	Mohammad Mamunur Rashid	Efficient removal of toxic selenium from water by using environment friendly magnetic nanoparticles
11:45 AM -12:00 PM	Engineering	Masood Moghaddami	Self-Tuned Soft-Switched Efficient Power Converters for Inductive Power Transfer Systems

**Day 2**  
**Tuesday, March 28th**  
**10:45 AM - 12:00 PM**  
**Room #2**

<b>Time</b>	<b>Field</b>	<b>Presenter's name</b>	<b>Title of the presentation</b>
10:45 AM -11:00 AM	Engineering	Ali Reza Abbaspour	Neural adaptive observer-based sensor and actuator fault detection in nonlinear systems: Application in UAV
11:00 AM -11:15 AM	Bio	Joshua Raji	Aedes aegypti ir8a detects human hosts.
11:15 AM -11:30 AM	Psychology and Behavioral Sciences	Michelle Ann Rhoden	The Impact of Juvenile Arrest and Childhood Adversity on Young Adult Health Outcomes: A National Study
11:30 AM -11:45 AM	Chemistry and Physics	Wenbin Cui	Bioaccessibility of Methylmercury in Rice Products and Fish Based on in vitro Extraction
11:45 AM -12:00 PM	Engineering	Gustavo A. Chaparro-Baquero	Processor/Memory Co-scheduling Using Periodic Resource Server for Real-Time Systems Under Peak Temperature Constraints

**Day 2**  
**Tuesday, March 28th**

**1:45 PM – 3:30 PM**

**Room #1**

<b>Time</b>	<b>Field</b>	<b>Presenter's name</b>	<b>Title of the presentation</b>
1:45 PM - 2:00 PM	Engineering	Md Mizanur Rahman	Fake-Review Attribution: Vertical Crackdown on Crowdsourced Fraud
2:00 PM - 2:15 PM	Education	Jonathan Mahadeo	Developing a Computing Identity Framework
2:15 PM - 2:30 PM	Psychology and Behavioral Sciences	Carla Abad	Are Parent and Child Mental Rotation Skills Related?
2:30 PM - 2:45 PM	Chemistry and Physics	Juan Canoura	Utilizing dual-enzyme selectivity for the identification of aptamer binding domains and the development of sensitive fluorescence detection of small-molecules targets
2:45 PM - 3:00 PM	Engineering	Samia Tasnim	Data Stream Cleaning in Mobile Wireless Sensor Networks
3:00 PM - 3:15 PM	others	Renata Bozzetto	“Pixuleco” meets the Citizen: The Face of Anti-Corruption Movement in Brazil
3:15 PM - 3:30 PM	Education	Jaeson Clayborn	Butterfly gardening at Miami urban schools: Plugging students into nature through habitat rehabilitation on school grounds

**Day 2**  
**Tuesday, March 28th**

**1:45 PM – 3:30 PM**

**Room #2**

<b>Time</b>	<b>Field</b>	<b>Presenter's name</b>	<b>Title of the presentation</b>
1:45 PM - 2:00 PM	Engineering	Mojtaba Mohammadafzali	Effects of Rejuvenation And Aging On Binder Homogeneity Of Recycled Asphalt Mixtures
2:00 PM - 2:15 PM	Chemistry and Physics	Namuna Panday	Multifunctional nanopipette for simultaneous ionic current and potential detection of nanoparticles
2:15 PM - 2:30 PM	Psychology and Behavioral Sciences	John Cibotti	Weber's 'Charisma' Applied to a Sikh Revolutionary
2:30 PM - 2:45 PM	Chemistry and Physics	Ram Marahatta	Folding of Bovine Pancreatic Trypsin Inhibitor (BPTI) faster using aromatic thiols and their corresponding disulfides.
2:45 PM - 3:00 PM	Engineering	Arash Anzalchi	Effect of High Penetration Photovoltaic Systems on Distribution Networks: A Case Study
3:00 PM - 3:15 PM	Engineering	Samaneh Khazraeian	Queue Warning in a Connected Vehicle Environment
3:15 PM - 3:30 PM	Engineering	Samira Pouyanfar	Semantic Event Detection Using Ensemble Deep Learning

**Day 2**  
**Tuesday, March 28th**  
**3:45 PM - 5:00 PM**  
**Room #1**

<b>Time</b>	<b>Field</b>	<b>Presenter's name</b>	<b>Title of the presentation</b>
3:45 PM - 4:00 PM	Engineering	Ehssan Amir Sayyafi	Development Of a Lightweight Hurricane-Resistant Roof System
4:00 PM - 4:15 PM	Psychology and Behavioral Sciences	Taylor Salo	A Quantitative Evaluation of Neurosynth's Annotation Method
4:15 PM - 4:30 PM	Engineering	Raju Sinha	Plasmonic Nanogap Antenna Enhanced Difference Frequency Generation in Terahertz Range
4:30 PM - 4:45 PM	Business	Qianying Zhang	The Determinants of Stock Price Fluctuation



**Day 2**  
**Tuesday, March 28th**

**3:45 PM - 5:00 PM**

**Room #2**

<b>Time</b>	<b>Field</b>	<b>Presenter's name</b>	<b>Title of the presentation</b>
3:45 PM - 4:00 PM	Engineering	Shadi Darvish	SrZrO <sub>3</sub> Formation at the Interlayer/Electrolyte Interface During (La <sub>1-x</sub> Sr <sub>x</sub> ) <sub>1-δ</sub> Co <sub>1-y</sub> FeyO <sub>3</sub> Cathode Sintering
4:00 PM - 4:15 PM	Humanities	Pallavi Awasthi	Cross-National Experience of Emotional Labor- Lessons from Spirituality in India
4:15 PM - 4:30 PM	Engineering	Janhavi Chitale	Evaluation of sampling strategy for screening based global sensitivity analysis technique of elementary effects method
4:30 PM - 4:45 PM	Business	Erick Mas	The Haves and the Have Nots: Social Class and Consumer Decision Making