



University Graduate School
FLORIDA INTERNATIONAL UNIVERSITY

GPSC GRADUATE &
PROFESSIONAL STUDENT
COMMITTEE



Scholarly Forum
Oral Presentation Program
Day 1

Day 1
Monday, March 27th
9:00 AM-10:30 AM
Room #1

Time	Field	Presenter's name	Title of the presentation
9:00 AM-9:15 AM	Psychology and Behavioral Sciences	Rigaud Joseph	Factors Associated with Homeownership among Low-Income Households in America
9:15 AM -9:30 AM	Engineering	Mohammad Mahmoudian Esfahani	Adaptive Real-Time Congestion Management in Competitive Electricity Markets Using Advanced Optimization Algorithm
9:30 AM -9:45 AM	Health Sciences	Justina Owusu	Contribution of School Meals to Nutrient Intakes of School-age children enrolled in two feeding programs in Ghana
9:45 AM -10:00 AM	Chemistry and Physics	Kendra Adams	Discovery and Targeted Monitoring of Lipids under Different Cell Conditions using a Multidimensional Analytical Approach
10:00 AM -10:15 AM	Engineering	Hoda Rajaei	Interictal EEG Analysis Based on Phase Synchronization
10:15 AM -10:30 AM	Others	Joseph Sinicrope	Critical Next Steps to Adapting Intumescent Coatings as Fixatives for D&D Activities to Mitigate the Potential Release of Radioisotopes in Fire and Extreme Heat Conditions

Day 1
Monday, March 27th
9:00 AM-10:30 AM
Room #2

Time	Field	Presenter's name	Title of the presentation
9:00 AM – 9:15 AM	Psychology and Behavioral Sciences	Jessica Flannery	Meta-analytic clustering dissociates activation and behavior profiles across reward processing data
9:15 AM – 9:30 AM	Engineering	Aidin Massahi	Estimating the Capacity Impacts of Urban Street Incidents
9:30 AM – 9:45 AM	Biology	Elizabeth Whitman	Interaction Between Green Turtles And The Invasive Seagrass Halophila Stipulacea In The Southern Caribbean
9:45 AM – 10:00 AM	Chemistry and Physics	Shayna Sandhaus	Drug Candidate Discovery: Targeting Bacterial Topoisomerase I Enzymes for Novel Antibiotic Leads
10:00 AM – 10:15 AM	Engineering	Abdullah Aydeger	A Moving Target Defense and Network Forensics Framework for ISP Networks using SDN and NFV
10:15 AM – 10:30 AM	Other	Renzo Alvarez	Is there a Role for International Trade Costs in Monetary Policy?

Day 1
Monday, March 27th
10:45 AM - 12:00 PM
Room #1

Time	Field	Presenter's name	Title of the presentation
10:45 AM -11:00 AM	Engineering	Shi Sha	Energy Reduction in Modern CPU design
11:00 AM -11:15 AM	Biology	Juliano Freitas	The Role of Endothelin 3 during Melanoma Lung Premetastatic Niche Formation
11:15 AM -11:30 AM	Psychology and Behavioral Sciences	Victor Vila	Aging Hispanic Gay Men's Health
11:30 AM -11:45 AM	Chemistry and Physics	Anthony Castellanos	Characterization of diet-induced molecular changes in ovarian reserves of Aedes aegypti using 3D-MSI-TOF-SIMS and MALDI FT-ICR MS
11:45 AM -12:00 PM	Engineering	Ata Dolatmoradi	Stiffness-Based Separation of Liposomes via Thermally-Assisted Acoustophoresis

Day 1
Monday, March 27th

10:45 AM - 12:00 PM

Room #2

Time	Field	Presenter's name	Title of the presentation
10:45 AM -11:00 AM	Engineering	Yao Xiao	Spatio-Temporal Super-resolution of Cerebral CT Perfusion via Multi-Directional Conjoint Convolutional Neural Network
11:00 AM -11:15 AM	Health Sciences	Jessica Weissman	Technology-Based Exercise/Physical Activity Interventions among College Students
11:15 AM -11:30 AM	Psychology and Behavioral Sciences	Ana Lucia Rodriguez	Network Analysis of the relationship between Wife Beating and Gender Beliefs among young adults in Mysore, India
11:30 AM -11:45 AM	Chemistry and Physics	Alyssa Garabedian	Characterization of the intrinsically disordered DNA binding protein HMGA2 using nanoESI-TIMS-MS
11:45 AM -12:00 PM	Engineering	Panuwat Janwattanapong	Connectivity Patterns of Interictal Epileptiform Discharges Using Coherence Analysis

Day 1
Monday, March 27th
1:45 PM – 3:30 PM
Room #1

Time	Field	Presenter's name	Title of the presentation
1:45 PM - 2:00 PM	Engineering	Amin Baghalian	Implementation of Heterodyne Effect for Comprehensive Detection of Structural Cracks
2:00 PM - 2:15 PM	Health Sciences	Zhongliang Jiang	Environmentally induced oxidative DNA damage alters DNA methylation pattern in human breast cancer type 1 (BRCA1) gene through base excision repair
2:15 PM - 2:30 PM	Psychology and Behavioral Sciences	Jessica Saunders	The role of social media usage in the sociocultural model of disordered eating
2:30 PM - 2:45 PM	Chemistry and Physics	Jacob Porter	The gas-phase dynamics of a DNA hexad structure
2:45 PM - 3:00 PM	Engineering	Soamar Homsy	Workload Consolidation for Cloud Data Centers with Guaranteed QoS Using Request Reneging
3:00 PM - 3:15 PM	Education	Feng Li	Biology Identity and Persistence Survey (BIPS): An instrument for assessing students' biology identities and aspirations in biology
3:15 PM - 3:30 PM	Others	Mitra Ahmadinejad	Getting Ready for Their Arrival; Posttraumatic Stress Disorder (PTSD) among Refugees

Day 1
Monday, March 27th

1:45 PM – 3:30 PM

Room #2

Time	Field	Presenter's name	Title of the presentation
1:45 PM - 2:00 PM	Engineering	Neha Chawla	Palladium-Filled Carbon Nanotubes Cathode for Improved Cyclability Performance of Li-O ₂ Batteries
2:00 PM - 2:15 PM	Biology	David Riera	Orchid Synthetic Seed Technology: Conservation and Commercial Applications
2:15 PM - 2:30 PM	Psychology and Behavioral Sciences	Vanessa Vieites	Spatial Reorientation Ability may be linked to Hippocampal Development in Young Children
2:30 PM - 2:45 PM	Chemistry and Physics	Yaou Ren	DNA polymerase β variant Y265C with impaired DNA synthesis activity induces repeat deletion during base excision repair
2:45 PM - 3:00 PM	Engineering	Virgilio Acuna	Localization of Wifi Devices Using Probe Requests Captured at Unmanned Aerial Vehicles
3:00 PM - 3:15 PM	Education	Shawn Benaine	The Effect of School Quality Ratings on the Neighborhood Crime Index: Implications for Community Development
3:15 PM - 3:30 PM	Other	Syed Uddin	Daily Exchange Rate Pass-Through into Micro Prices

Day 1
Monday, March 27th
3:45 PM - 5:00 PM
Room #1

Time	Field	Presenter's name	Title of the presentation
3:45 PM - 4:00 PM	Engineering	Kishwar Ahmed	Performance Prediction Models for Large-scale Interconnection Networks in HPC System
4:00 PM - 4:15 PM	Chemistry and Physics	Haixiang Yu	A cooperative-binding split aptamer assay for rapid, specific and ultra-sensitive fluorescence detection of cocaine in saliva
4:15 PM - 4:30 PM	Psychology and Behavioral Sciences	Starlie Belnap	Prenatal Light Experience Influences Coordinated Movement in Bobwhite Quail Hatchlings
4:30 PM - 4:45 PM	Engineering	Mostafa Batouli	Exploratory Assessment of Roadway Infrastructure Adaptation To The Impacts Of Sea-Level Rise
4:45 PM - 5:00 PM	Biology	Wenjie Wang	TDP1/TOP1 ratio as a predictive indicator for the response of glioblastoma cancer cells to irinotecan treatment

Day 1
Monday, March 27th

3:45 PM - 5:00 PM

Room #2

Time	Field	Presenter's name	Title of the presentation
3:45 PM - 4:00 PM	Engineering	Pranjal Nautiyal	Oxidative Unzipping and Transformation of High Aspect Ratio Boron Nitride Nanotubes into White Graphene Oxide Platelets
4:00 PM - 4:15 PM	Chemistry and Physics	Alan McKenzie	Introducing Dopant Gas Modifiers to the TIMS-MS Workflow
4:15 PM - 4:30 PM	Psychology and Behavioral Sciences	Stephanie Diez	Facebook While Driving: The Social Context and Rationale of Adolescent Social Media Usage
4:30 PM - 4:45 PM	Engineering	Leila Azizi	Utilization of Data from Multiple Sources as Part of the Dynamic Origin-Destination Matrix Estimation (ODME) Process
4:45 PM - 5:00 PM	Health Sciences	Azim Syeda	Associations of Complementary Feeding intakes with WHO Complementary Feeding Indicators and Growth among Bangladeshi infants and children <24m