



University Graduate School
FLORIDA INTERNATIONAL UNIVERSITY



GRADUATE &
PROFESSIONAL STUDENT
COMMITTEE



GSAW 2018

Graduate Student Appreciation Week

Scholarly Forum

19th and 20th March

Oral and Poster Presentation Program

Day 1
Monday, March 19th
Oral session: 9:00-10:15
SASC 100

Session Chair: Leila Zahedi

* 10 minutes for each oral presentation and 5 minutes for question and answer

Time	Field	Presenter's name	Title of the presentation
9:00-9:15	Biological Sciences	Jonathan Flickinger	A Phylogenetic Study of Myrtaceae from the Caribbean Islands Biodiversity Hotspot
9:15-9:30	Chemistry	Anthony Castellanos	De novo lipid synthesis in <i>Aedes aegypti</i>
9:30-9:45	English Department	Felix Kpogo	The Influence of Native English-speaking Environment on Akan-English Bilinguals'™ Production of English Inter-dental Fricatives.
9:45-10:00	Chemistry and Biochemistry	Anupama Tuladhar	Manumycin-A is a potent inhibitor of mammalian thioredoxin reductase
10:00-10:15	Chemistry and Biochemistry	Yingzhu Liu	Introducing Structure-Switching Functionality into Small-Molecule-Binding Aptamers via Nuclease-Directed Truncation

Day 1
Monday, March 19th
Oral session: 10:45 - 12:00
SASC 100

Session Chair: Mitra Naseh

* 10 minutes for each oral presentation and 5 minutes for question and answer

Time	Field	Presenter's name	Title of the presentation
10:45-11:00	Civil and Environmental Engineering	Nazanin Rezaei	Strut Strength and Failure in Full-Scale Concrete Deep Beams
11:00-11:15	Biomedical Engineering	Ricardo Siu	Adaptive control of ventilation through respiratory pacing following spinal cord injury
11:15-11:30	Chemistry	Jacob Porter	Conformer-specific Structural Analysis of Peptides With Mobility-Selected TIMS-FT-ICR MS/MS and Action IRMPD
11:30-11:45	Leadership and Professional Studies	Carolyn Meeker	Like a Tapestry: Navigation of Feminist and Submissive Identities
11:45 – 12:00	Biological Sciences	Joshua Raji	Aedes aegypti Ir8a can detect humans

Day 1
Monday, March 19th
Poster session: 12:30 - 13:45
SASC 100

* 7 minutes for each poster presentation and 5 minutes for question and answer

Poster Number	Field	Presenter's name	Title of the presentation
Group A - # 1	Teaching and Learning	Indira Gil	Culturally Relevant Pedagogy in the Mathematics Classroom and their relationship on Latino Children's Development of Understanding Mathematical Concepts
Group A - # 2	MLA Landscape Architecture	Tricia Keffer	"Moveable Feast" Bahamas Style
Group A - # 3	Biomedical Engineering	Zahra Nafar	Visible Light OCT-based Quantitative imaging of Lipofuscin in the Retinal Pigment Epithelium with Standard Reference Targets
Group A - # 4	Civil and Environmental Engineerinh	Leila Azizi	Estimation of Freeway Platooning Measures Using Surrogate Measures Based on Connected Vehicle Data
Group A - # 5	Electrical and Computer Engineering	Shahrzad Forouzanfar	The effect of microchannel width on mixing efficiency of microfluidic electroosmotic mixer
Group A - # 6	Mechanical Engineering	Janhavi Chitale	Seeing through a robot's eyes – Visualization in Robotics
Group B- # 1	Health Promotion and Disease Prevention	Derrick J. Forney	Racial and Gender differences in HIV Testing among High School Adolescents in the United States: 2015 Youth Risk Behavior Surveillance System
Group B- # 2	Chemistry	Lilian V. Tose	Analysis of Dissolved Organic Matter from Subtropical Wetlands using tandem Trapped Ion Mobility Spectrometry (TIMS) and FT-ICR MS
Group B- # 3	Nursing-Nurse Practitioner	Ingrid Leon	Analysis of Lung Function Measures in Those with Overlap Syndrome (OS)-, Chronic Obstructive Pulmonary Disease (COPD) and Obstructive Sleep Apnea (OSA)

Group B - # 4	Biomedical Engineering	Joseph Chue-Sang	Comparison of collagen orientation and distribution in-vivo between non-pregnant and pregnant human cervix using Mueller Matrix polarimetry
Group B - # 5	Civil and Environmental Engineering	Francisco Chitty	Development of Ultra-High Performance Joint Detail for Florida Slab Beam Bridge
Group B - # 6	School of Computing and Information Sciences	Samia Tasnim	Real-time Identification of Movement Similarity

Day 1

Monday, March 19th

Oral Presentation: 14:00 – 15:15

SASC 100

Session chair: Shervin Tashakori

* 10 minutes for each oral presentation and 5 minutes for question and answer

Time	Field	Presenter's name	Title of the presentation
14:00 – 14:15	Civil and Environmental Engineering	Ziad Azzi	Holistic Testing to Determine the Efficacy of a Retrofit Technique for Residential Buildings
14:15-14:30	Health Promotion and Disease Prevention	Ari Hozman	E-TIME Enhanced Text-messages to Increase Motivation to Exercise
14:30 – 14:45	Civil Engineering	Sumana Bhattacharya	Morphology-Oriented Multiscale Mechanics of Geologic Materials using Hybrid Numerical-Experimental Framework
14:45– 15:00	Physics	Yagya Joshi	Tagging Algorithm for Resolved Top Quark Decays.
15:00-15:15	Social Work	Mitra Ahmadinejad	Risk and Preventive Factors in Refugees' Substance Use: Case of Afghans in Iran

Day 1

Monday, March 19th

Oral session: 13:00 – 14:45

SASC 202

Session Chair: Omena Nelson

Time	Field	Presenter's name	Title of the presentation
13:00 – 13:15	Physics	Popular Pandey	Detection and manipulation of single nanoparticle (NP) dynamic assembly process by the integration of nanopore and nanoelectrode.
13:15 – 13:30	Civil and Environmental Engineering	Dewan Hossain	Local and Global Strain-Based Corrosion Detection Technique for Highway Bridges
13:30 – 13:45	School of Music	Raven Reynolds	Case Study of the Eastern Band of Cherokee Indian's Language Immersion School Music Program
13:45-14:00	College of Business	Michelle van Solt	#FOMO: How the Fear of Missing Out Drives Consumer
14:00-14:15	Psychology	Dea Garic	Restricted Diffusion Imaging (RDI) of the human corpus callosum in children and adults: Evidence of the use of RDI as a metric of axonal packing density
14:15-14:30	Chemistry and Biochemistry	Chiara Deriu	Insight on the surface chemistry of bimetallic nanostars: capping agents and stability
14:30-14:45	Philosophy	Antonina Shachar	The Myth of Personal Identity: The Self as Embodied and Incomplete

Day 1
Monday, March 19th
Poster session: 15:30 – 16:30
SASC 100

* 7 minutes for each poster presentation and 5 minutes for question and answer

Poster Number	Field	Presenter's name	Title of the presentation
Group A - # 1	Electrical and Computer Engineering	Sudarat Tangnimitchok	A System for Non-Intrusive Affective Assessment in the Circumplex Model from Pupil Diameter and Facial Expression Monitoring
Group A - # 2	Biomedical Engineering	Mariacarla Gonzalez	Low Cost, Portable Mueller Matrix Polarimeter for Cervical Health Determination
Group A - # 3	Biological Sciences	Alexander Shenton	Applications of Molecular Methods to Improve Diet Resolution of Gulf of Mexico Red Snapper
Group A - # 4	Dietetics and Nutrition	Alhanoof Alohalay	Has The Duration and temperature of Lysis Buffer Been Minimized for The Comet Assay?
Group A - # 5	Biomedical Engineering	Ashfaq Ahmed	Developing a mathematical model for functional uncoupling in the stomach
Group B - # 1	Mechanical and Materials Engineering	Amin Rabiei Baboukani	Electrostatic Spray Deposited Sn-SnO ₂ -CNF Composite Anodes for Lithium Ion Storage
Group B - # 2	Environmental Health Science	Mayur Doke	: ID3 mediated vascular reprogramming of PCB exposed endothelial cells and its potential contribution to lung tumorigenicity.
Group B - # 3	Civil and Environmental Engineering	Mohamadreza Shfieifar	New Connection Detail to Connect Precast Column to Cap Beam Using UHPC in ABC Applications
Group B - # 4	Chemistry & Biochemistry	Juan Canoura	Utilizing Inhibition of Exonuclease Digestion on Target-Bound Aptamers to Sensitively Detect Small-Molecule Targets

Day 1

Monday, March 19th

Oral session: 15:00 – 16:45

SASC 251

Session Chair: Elizabeth Whitman

* 10 minutes for each oral presentation and 5 minutes for question and answer

Time	Field	Presenter's name	Title of the presentation
15:00 – 15:15	Biological Sciences	James Kilfoil	Eye in the sky: Using Unmanned Aerial Vehicles (UAVs) to quantify both coral structure and invertebrate density in shallow water marine environments.
15:15 – 15:30	Electrical and Computer Engineering	Abdullah Aydeger	A Moving Target Defense and Network Forensics Framework for ISP Networks using SDN and NFV
15:30 – 15:45	Psychology	Anna M. Kallschmidt	Is low social class a stigmatized identity at work?
15:45-16:00	Teaching and Learning	Dung Nguyen	An Insight into Motivations and Effects for Code-Switching in Conversations among Vietnamese EFL Learners
16:00-16:15	Civil and Environmental Eng.	Mohammadtaghi Moravej	Experimental Assessment of Wind Loads on Vinyl Wall Siding
16:15-16:30	Electrical and Computer Engineering	Samet Tonyali	A Scalable Protocol Stack for IEEE 802.11s-based Advanced Metering Infrastructure Networks
16:30 – 16:45	Mechanical and Materials Engineering	Archana Loganathan,	Tribological, Nanomechanical and Oxidation Properties of the Cold-sprayed MAX phase Ti ₂ AlC Coating

Day 1

Monday, March 19th

Oral session: 15:00 – 16:45

SASC 352

Session Chair: Virgil Acu

* 10 minutes for each oral presentation and 5 minutes for question and answer

Time	Field	Presenter's name	Title of the presentation
15:00 – 15:15	Religious Studies	Humberto Perez	Karma and the Threefold Law: An Investigation of Indian Religious Influence on Wiccan Ethics
15:15 – 15:30	Dietetics and Nutrition	Alicia Sneij	Feasibility Pilot Study of a Nutrition Intervention for People Living with HIV (PLWH) in the Miami Adult Studies on HIV (MASH) Cohort
15:30 – 15:45	School of Computing and Information Sciences	Qing Wang	Constructing the Knowledge Base for Cognitive IT Service Management
15:45-16:00	Mechanical and Materials Engineering	Elnaz Mirtaheri	Thermally-Assisted Acoustofluidic Separation of Extracellular Vesicles from Cells
16:00-16:15	Computer Science	Ramesh Baral	Hierarchical Contextual Point-of-Interest Recommendation
16:15-16:30	Biomedical Engineering	Arash Moshkforoush	waveCSD: A method for estimating transmembrane currents originated from propagating neuronal activity in the neocortex: Application to study cortical spreading depression
16:30 – 16:45	Health Promotion and Disease Prevention	Wissam Al Khoury	State Firearm Legislation and Adolescent Suicide in the United States in 2015

Day 2

Tuesday, March 20th

Oral session: 9:00-10:15

SASC 100

Session Chair: Elnaz Pour Isa

* 10 minutes for each oral presentation and 5 minutes for question and answer

Time	Field	Presenter's name	Title of the presentation
9:00-9:15	Biology (marine sciences)	Camila Caceres	Coral reef fish community structure in the French Scattered Islands (Mozambique Channel)
9:15-9:30	Chemistry and Biochemistry	Daniel Roncancio	Engineering an Adenosine specific aptamer and electrochemical detection in whole serum
9:30-9:45	Psychology	Jessica F. Saunders	Social Comparison In Eating Disorder Recovery: Using PhotoVoice To Capture The Sociocultural Influences On Women's Recovery
9:45-10:00	College of Business	Mohammad Rahman	Short sellers and managerial equity market timing
10:00-10:15	Biomedical Engineering	Amirala Bakhshiannik	Substrate stiffness modulates ALP activity in extracellular vesicles secreted by human coronary artery smooth muscle cells

Day 2
Tuesday, March 20th
Oral session: 9:00-10:30
SASC 302

Session Chair: Farshad Haddadi

* 10 minutes for each oral presentation and 5 minutes for question and answer

Time	Field	Presenter's name	Title of the presentation
9:00-9:15	Chemistry and Biochemistry	Haixiang Yu	In Vitro Isolation of Small-Molecule-Binding Aptamers with Intrinsic Dye-Displacement Functionality
9:15-9:30	Mathematics Department	Kadisha Mills	I See Me When I See You: Using Peer-Response as a Reflection Tool to Improve Mathematical Content Knowledge
9:30-9:45	Physics	Nisha Bhattarai	Conformational changes in Marburg virus VP40 upon plasma membrane association
9:45-10:00	Psychology	Ali Pournaghdali	Conservative Criterion Explains The Non-Conscious Perception of Facial Expression Under Continuous Flash Suppression
10:00-10:15	Civil and Environmental	Syedmirsjad Mokhtarimousavi	An Elitist Metaheuristic Approach for Optimization of Multi-Objective Airport Gate Assignment Problem
10:15-10:30	computer science	Maryamossadat Aghili	

Day 2
Tuesday, March 20th
Oral session: 9:00-10:45
SASC 352

Session chair: Amin Shoja

* 10 minutes for each oral presentation and 5 minutes for question and answer

Time	Field	Presenter's name	Title of the presentation
9:00-9:15	Electrical and computer engineering	Hassan H. Eldeeb	Control and Voltage Stability of a Medium Voltage DC Ship Hosting Pulsed load
9:15-9:30	ISBA	Mahed Maddah	The Impact of Data Structure on Information Quality of User-Generated Content: Considering Type of Data in Designing Information Systems
9:30-9:45	Social Work	Michelle G. Thompson	Suicide Interventions for Sexual Minority Youth: A Systematic Review
9:45-10:00	School of computing and info science	Shekoofeh Mokhtari	Hierarchical Neural Address Parser
10:00-10:15	Dietetics and Nutrition	Justina Owusu	Nutritional Status and Academic Performance of School-age children enrolled in two feeding programmes in Ghana
10:15-10:30	Economics	Md Tanvir Pavel	Internal Migration To Cope With Natural Hazards:
10:30 – 10:45	Health Promotion & Disease Prevention	Chintan Bhatt	Medical Cannabis Legislation and Reported Illicit Prescription Drug Use in US High School Students

Day 2

Tuesday, March 20th

Oral session: 10:30 – 12:00

SASC 100

Session chair: Justina Owusu

* 10 minutes for each oral presentation and 5 minutes for question and answer

Time	Field	Presenter's name	Title of the presentation
10:30 – 10:45	Biomedical Engineering	Maedeh Mozneb	Real Time Viability Evaluation and Monitoring of Rat Cardiomyocyte's Contractability Using Surface Plasmon Resonance
10:45-11:00	Civil Engineering	Krishna Sai Vutukuru	Downbursts- Their importance and possible Simulations in Wall of Wind Experimental Facility
11:00-11:15	Economics	Amin Shoja	Catastrophic Healthcare Expenditure and Health Reform
11:15-11:30	Psychology	Yanet Ruvalcaba	Nonconsensual porn (aka "revenge porn") among U.S. adults: An examination of perpetration, victimization, and health correlates of victimization
11:30-11:45	Leadership & Professional Studies	Arthur Scavella	The Relationship between District Concert Band Music Performance Assessment Participation and Student Achievement in Miami-Dade County Public Middle Schools
11:45-12:00	Politics and I.R.	Alejandro Abad Alvarez-Querol	Humanitarian intervention: a custom of international law?
12:00 – 12:15	Electrical Engineering	Virgil Acuna	UAV Procedures to Extend Flight Time for Search and Rescue Operations Using WiFi Probe Requests

Day 2

Tuesday, March 20th

Poster session: 12:30 – 13:45

SASC 100

* 7 minutes for each poster presentation and 5 minutes for question and answer

Poster Number	Field	Presenter's name	Title of the presentation
Group A - # 1	Biomedical Engineering	Elnaz Pour Issa	Bioscaffold Mitral Valve Hydrodynamic Evaluation in Child versus Adult Hemodynamic Settings
Group A - # 2	Music	Bryan Aguilar	Citizen Art and Science: Using Environmental Data to Inspire Musicianship and Stewardship
Group A - # 3	Teaching and Learning	Renata Pavanelli	Understanding L2 Learners' Attitudes and Needs in Academic Writing in EAP Context
Group A - # 4	Education	Emily R. Boeving	What is Social about STEM Learning? A Novel Application of Social Interactive Data acquisition with Functional Neuroimaging Methods
Group A - # 5	Chemistry and Biochemistry	Ahmed Seddek	Bacterial Topoisomerase IA as a Potential Target for Antibiotic Discovery
Group B - # 1	Earth and Environment	Shagufta Gaffar	Managing South Florida Invasive Plants through Biochar Production
Group B - # 2	Environmental Health Sciences	Christian Perez	Molecular Determinants of Brain Vascular Disorders from Exposure to Polychlorinated Biphenyls
Group B - # 3	Human and Molecular Genetics	Jake Levine	A survey of opinions for teaching biochemistry and nutrition in undergraduate medical education
Group B - # 4	Electrical Z& computer Engineering	Mohammad Mahmoudian Esfahani	A Multiagent-based Game-Theoretic and Optimization Approach for Market Operation of Multi-Microgrid Systems

Group B - # 5	Civil and Environmental Engineering	Armana Sabiha Huq	Identification of Possible Influential Factors to the Bicycle Crashes in Florida
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Day 2

Tuesday, March 20th

Oral session: 14:00 – 15:30

SASC 100

Session Chair: Lucia Baez

* 10 minutes for each oral presentation and 5 minutes for question and answer

Time	Field	Presenter's name	Title of the presentation
14:00 – 14:15	Mechanical and Materials Engineering	Iman Khakpour	Development of the oxidation- and hot-corrosion-resistant coatings for turbine blades
14:15 – 14:30	Health Promotion and Disease Prevention	Etinosa Oghogho	Late and No Entry into Prenatal Care in Florida: Analysis of March of Dimes Data, 2012-2014
14:30-14:45	School of Computing and Information Sciences	Samira Pouyanfar	Watch, Listen, Read, and Learn: Deep Multimodal Representation Learning for Video Analytics
14:45-15:00	Hospitality Management	Andrew McKenna	Examining millennials'™ online gambling behavior: a comparison of generational differences
15:00-15:15	Economics	Nazmul Islam	The Indebted Hand-to-Mouth
15:15 – 15:30	Biomedical Engineering	Arash Dadkhah	A Multimodal Imaging Platform with Integrated Simultaneous Photoacoustic Microscopy, Optical Coherence Tomography, Optical Doppler tomography and Fluorescence Microscopy

Day 2
Tuesday, March 20th
Poster session: 15:45 – 16:45
SASC 100

* 7 minutes for each poster presentation and 5 minutes for question and answer

Poster Number	Field	Presenter's name	Title of the presentation
Group A - # 1	Teaching and Learning	Daniel Wynne	Analysis of school related arrests: Toward a better understanding of results by county and school
Group A - # 2	Biomedical Engineering	Andres Pena	Effect of vibrotactile feedback and grasp interface compliance on grasp force and hand opening control of a sensorized myoelectric prosthetic hand
Group A - # 3	Public Administration	Pallavi Awasthi	Leader's Vision Implementation: An Agenda for Non-Profit Sustainability and Inner-City Development
Group A - # 4	Biomedical Engineering	Teshaun Francis	Optochemical Carbon Dioxide Sensor for Respiratory Feedback
Group A - # 5	Biomedical engineering	Lakshmini Balachandar	Optogenetics to target neuroinflammation in lesion-based epilepsy
Group B - # 1	Religious Studies	Emmanuel Dennis	The Lure of the ISIS Message
Group B - # 2	Chemistry	Stephanie A. Delabat	Development and Validation of a Novel Phage Display Library for Detection of Human Hemoglobin
Group B - # 3	Electrical and Computer Engineering	Ahmed Jalal	A multivariate calibration model for precise detection of alcohol in fuel cell sensor
Group B - # 4	Electrical and Computer Engineering	Fahmida Alam	Zinc Oxide Nanoflakes based Flexible Platform for Lactate Monitoring

Day 2

Tuesday, March 20th

Oral session: 15:30 – 16:45

SASC 202

Session Chair: Armana Huq

* 10 minutes for each oral presentation and 5 minutes for question and answer

Time	Field	Presenter's name	Title of the presentation
15:30 – 15:45	Health Promotion and Disease Prevention	Rumi Agarwal	Perceptions of College Students on the Non-Verbal Communication of their Health Care Provider on Quality of Care
15:45-16:00	Economics	Faisal Awwal	National Financial Literacy Initiatives and Financial Inclusion: Evidence from Zambia and Malawi
16:00-16:15	Chemistry and Biochemistry	Samiol Azam	Cd2+ Binds to DREAM and Alters Interactions between DREAM and Intracellular Partners.
16:15-16:30	Dietetics and Nutrition	Sahar Ajabshir	The effect of vitamin d3 supplementation on biomarkers of oxidative stress and glycemic status in adults with type 2 diabetes.
16:30 – 16:45	Biomedical Engineering	Jared Leichner	Network Architecture & Connectivity Analysis of Cortical Brain Tissue through Simultaneous Immunofluorescent Staining of Neurons, Astrocytes, Vasculature and Nuclei

Day 2

Tuesday, March 20th

Oral session: 15:30 – 16:45

SASC 352

Session Chair: Mizanur Rahman

* 10 minutes for each oral presentation and 5 minutes for question and answer

Time	Field	Presenter's name	Title of the presentation
15:30 – 15:45	Chemistry and Biochemistry	Alan McKenzie	Implementing high performance liquid chromatography-trapped ion mobility-mass spectrometry (HPLC-TIMS-MS) for the analysis of juvenile hormone III
15:45-16:00	Electrical and Computer Engineering	Hoda Rajaei	Connectivity Dynamics of Interictal Epileptiform Activity
16:00-16:15	psychology	Ranjita Poudel	Common and distinct brain networks associated with risky and ambiguous decision-making.
16:15-16:30	Immunology	Rajib Kumar Dutta	HIV Tat protein and TGF- β ² suppresses CFTR biogenesis and activity by microRNA mediated gene silencing
16:30 – 16:45	Biomedical Engineering	Arezoo Gerami-Pour	Degradation of Reflex Pathways in Rats Aged Related Neuropathy