

Session #	Oral Abstract #	Room #	First Name	Last Name	Institution	Abstract Title
2	44	Park Tower 8206	Dayana	Abdullah-Smoot	Texas Southern University	Cytotoxic Effect of Harris County Watersheds on HT29 Colon Cells
2	58	Park Tower 8216	Julio	Acevedo	University of Puerto Rico, Mayaguez Campus	Gravitational Effect of Zinc Oxide Nanoparticle Microbicidal Activity
2	48	Park Tower 8206	Folasade T.	Adedoyin	Texas Southern University	Microbiological Assessment of Houston Area Water and Soil Samples
3	25	Marriott Balcony B	Hanan	Ali	Texas Southern University	Biological and Chemical Characterization of the Tigris River
1	8	Virginia A	Zoya	Anderson	University of Alabama at Birmingham	The Role of Neuropeptide Y in Stem Cell Maintenance
1	83	Virginia B	Guleid	Awale	University of Connecticut	Porous, Poly(lactic-co-glycolic acid) Microsphere Scaffolds for Bone Regenerative Engineering
2	34	Park Tower 8209	Ricardo	Baco	University of Puerto Rico, Mayaguez	Effect and Positioning of Metal Salts Dispersed onto MOF for the Superior Adsorption of CO ₂
2	59	Park Tower 8216	Jasmine	Beckford	Norfolk State University	Electrical, Optical, and Thermal Properties of Flexible Gallium Doped Zinc Oxide Transparent Heaters
1	4	Virginia A	Bayan	Bokhari	Howard University	Transcriptome-Guided Investigation of RECQ1 in Breast Cancer Tumorigenesis
2	31	Park Tower 8209	Jashaun	Bottoms	Western Michigan University	Synthesis and Characterization of Perovskite-like Tetraorganophosphonium Metal Halides
1	84	Virginia B	Janae	Bradley	University of Missouri	Investigative Studies of a AuNP Viscoelastic Collagen for Disc Degeneration
2	45	Park Tower 8206	Titilope	Bukunmi-Omidiran	Texas Southern University	Impact of Hurricane Harvey on Soil and Water Characteristics of Buffalo and Brays Bayou Watersheds
1	86	Virginia B	Alfer	Castro	University of Puerto Rico, Mayaguez Campus	Nano-Engineered Mortars with Pozzolanic Material for Structural Patchment
1	85	Virginia B	Sarah	Chaji	University of Georgia	Bioprinting of Three-Dimensional Microtissues to Evaluate Adipocyte-Breast Cancer Cell Interactions
3	26	Marriott Balcony B	Ana	Chicas-Mosier	Oklahoma State University	Aluminum Exposure in Honey Bees: Effects on Forage, Activity, and Lifespan
1	9	Virginia A	Amanda	Clark	Auburn University	Testing the Functional Consequences of Genetic Variation in Insulin-like Growth Factor 1 (IGF1) in Lizards via Primary Culture Experiments
2	98	Virginia B	Danny	Clemons	California State University Los Angeles	Numerical Analysis of Paper-Based Fuel Cells
1	5	Virginia A	Christa	Corley	Jackson State University	Generation of Mgat3 Deletion in LN18 Glioblastoma Cell Line via CRISPR/CAS9
2	60	Park Tower 8216	Anamarie	Cotto-Ramos	University of Puerto Rico, Mayaguez Campus	Experimental Design of Concrete Mixtures using Recycled Plastic, Fly Ash, and Silica Nanoparticles
2	92	Virginia B	Samuel	Danquah	Norfolk State University	Easy Fabrication of Solid-State Electrolyte using Fused Deposition Modeling Technique
1	53	Park Tower 8211	FranChell	Davidson	Texas Southern University	Dynamics of a Mathematical Model for Four-State Binocular Rivalry

3	23	Marriott Balcony B	Roy	Davis	Texas A&M University	Efficient Utilization of Low Altitude Remote Sensing Technology for Crop Phenotype Estimation
1	52	Park Tower 8211	Vincent	Davis	North Carolina Central University	A Neural Networks Approach to Predicting the Orientations of Images
1	54	Park Tower 8211	Alejandra	De Jesús-Soto	University of Puerto Rico at Mayaguez	Application of Meta-analysis in Agricultural Studies
1	68	Park Tower 8216	Hector	Delgado Diaz	California State University, Los Angeles	Stability of Exoplanetary Atmospheres in Contact with Liquid Water
1	1	Virginia A	David	Duncan	Delaware State University	RNA-seq: Identification of Genes Responsible for Protein Production Fluctuations in CHO Cells in Response to Extracellular Glucose Concentrations
2	93	Virginia B	Mohamed	Elafandi	Tuskegee University	Investigation of Mechanical and Thermal Properties of Polyetherimide (PEI) Composites Reinforced with Zinc Titanate Nanoparticles
2	17	Virginia A	Zavia	Epps	Jackson State University	Evaluation of Deaggregation Methods Used to Simulate Unknown Premises Locations for Disease Models: Cattle Disease Outbreaks in Argentina
2	35	Park Tower 8209	Nasim	Farahmand	City University of New York	Synthesis and Characterization of Ferroic Materials, Introducing Perovskite and Pyrochlore Europium Titanate Nanocrystals Synthesized by Gel-collection Method
2	32	Park Tower 8209	Demetrius	Finley	Tuskegee University	Investigation into Different Natural Compounds as Corrosion Inhibitors
2	30	Park Tower 8209	Mariola M.	Flores-Rivera	University of Puerto Rico, Mayaguez	Functionalized Ferrocenes as Estrogen's Pendant Group: Synthesis, Characterization and Biomedical Application
2	73	Park Tower 8212	Beatriz	Galarza	The University of Texas at San Antonio	Development of STEM Curricula in Cyber Computing and Cloud Computing, for Underrepresented Students in Vulnerable Populations
2	33	Park Tower 8209	Jacob	Garcia	Arizona State University	Relaxation Dynamics of Neutral Iron Oxide Clusters using Femtosecond Pump-Probe Spectroscopy
2	77	Park Tower 8212	Grace	George	University of Wisconsin Madison	Investigating into Multisensory Integration of Number in Audio and Visual Modalities
2	10	Virginia A	Somayeh	Gharaie Fathabad	Morgan State University	Overexpression of Sterol Desaturase Gene Enhances Lipid Productivity in <i>Fremyella Diplosiphon</i> , a Model Cyanobacterium
3	24	Marriott Balcony B	Kirstie	Grant	Howard University	Characterization, Quantification, and Comparison of Phytochemical Oxalic Acid found in male and female individuals of <i>Rumex acetosa</i>
2	61	Park Tower 8216	Taliya	Gunawansa	Norfolk State University	Highly Dispersed Semiconducting Nanocrystal for Efficient Optoelectronics Application
2	94	Virginia B	Bobby	Haney	Florida A&M University	Stability of Millimeter-Size Pickering Emulsions Stabilized with Large Janus Micro-Particles
2	78	Park Tower 8212	Charlton	Harrison	Virginia State University	Cognitive Ability as a Mediator to the Effects of Adverse Childhood Experiences
1	36	Park Tower 8219	John	Heaps	University of Texas at San Antonio	Toward A Pattern-Based Measurement Model for Improving Software Reliability
2	27	Park Tower 8209	Joel	Heisler	University of California, Merced	Real-time Biological Clocks Assembled in a Test Tube
2	28	Park Tower 8209	Viridiana	Herrera	University of Oklahoma	Structural and Functional Changes Caused by Alkyl nitroso-compounds Upon Binding the Active site of Myoglobin and Hemoglobin

1	6	Virginia A	Tanisha	Hinton	Jackson State University	Vernonia amgdalina as Chemotherapy for Acute Promyelocytic Leukemia
2	66	Park Tower 8216	Hailin (Richard)	Huang	The City College of New York and the Graduate Center, CUNY	Enzymatically Activated Aggregation and Cell-Adhesion of Peptide-Nanoparticle Conjugates for Surface-enhanced Raman Spectroscopy (SERS) based Diagnostics and Imaging
1	87	Virginia B	Sean	Jackson	Florida Agricultural and Mechanical University	Optimization of Electrolytes for 3D Printing of Dye-Sensitized Solar Cells
2	62	Park Tower 8216	Aleeyah	Johniken	Fayetteville State University	Alkaline Surface Treatment of Flax Fibers for use in Natural Fiber Reinforced Composites
2	95	Virginia B	Shardai	Johnson	Tuskegee University	Analysis of Carbonized Spent Espresso Grounds with Metal Oxide for Powder Coatings
2	11	Virginia A	Djene	Keita	Texas Southern University	Cytotoxicity Analysis of Pre- and Post-Hurricane Harvey Soil Samples collected from Greater Houston Bayous
1	70	Park Tower 8216	Amanatullah	Khan	University of California, Irvine	Non-reciprocity in Ultrathin YIG films
2	79	Park Tower 8212	Alyssa	Latuchie	University of New Mexico	Hydraulic Fracturing and Agriculture: How Fracking is Affecting the Agriculture Landscape
2	96	Virginia B	Kirsten	Lovelace	Howard University	Material Properties Analysis of Circuit Subassemblies Using Cryogenic Cycling
2	80	Park Tower 8212	Sergio	Lozoya	University of New Mexico	The Effectiveness of Bernalillo County's 'There Is No Poop Fairy' Campaign
2	18	Virginia A	Evelyn	Luna	Arizona State University	CD4 T Cells Modulate the Protective vs. Pathologic Response of CD8 T Cells during Viral Infection
1	37	Park Tower 8219	Travis	Machacek	New Mexico State University	IoT+NDN+Wireless: Experimental Insights from Using 802.11 Infrastructure and Ad-hoc Modes
2	63	Park Tower 8216	Mamadou	Mbaye	Norfolk State University	Multilayer Thin Film for High Efficiency Thermoelectric Materials based on Bi ₂ Te ₃ / WS ₂ superlattice Structure
1	69	Park Tower 8216	Eshirdanya	Mcghee	Alabama A&M University	Thermoelectric Properties of Sb ₂ Te ₃ Thin Films
2	12	Virginia A	Joshua	Medina-Feliciano	University of Puerto Rico - Rio Piedras	Differential Expression of Wnt Family Genes in the Mesentery Regeneration of the Sea Cucumber <i>H. glaberrima</i>
3	21	Marriott Balcony B	Erica	Molina	Auburn University	Quantification of Baseline Immunity to Chronic Exposure of Low Levels of DDT in Wild Rodents
2	16	Virginia A	Carlos	Morales	University of Puerto Rico Rio Piedras	DNA Library Preparation to Study Genetic Diversity of <i>Helicoverpa</i> in Puerto Rico
2	14	Virginia A	Alexis	Morgan	Alabama State University	Thanatomicrobiome: Assessment of 16S rDNA Profiles
1	38	Park Tower 8219	Yasmeen	Mussard-Afcari	Howard University	Trust-Based Data Validation and Correction in Mobile Cyber-Physical Systems
1	88	Virginia B	Alejandro	Najera-Acosta	New Mexico State University	Spare Parts Provision using a Reliability-Based Approach
2	97	Virginia B	Julien	Niyogushima	Norfolk State University	Highly Dense CeO ₂ Nanofibers and MnO ₂ Nanoflowers Composite Electrode for Energy Storage Application
1	39	Park Tower 8219	Ayodeji	Ogundiran	Bowie State University	A Cryptographic Simulator for Enhancing Undergraduates' Learning Experience in Cybersecurity Education

1	55	Park Tower 8211	Omomayowa	Olawoyin	University of Texas at Arlington	Effects of Multiple Transmission Pathways on Zika Dynamics
2	43	Park Tower 8206	Alexandra	Ortiz Rosa	University of Puerto Rico - Rio Piedras	Impacts of Contaminants and Temperature on Central Pattern Generator Neural Circuits
1	71	Park Tower 8216	Ashley	Owens	Alabama A&M University	Preparation and Characterization of Oxide Glasses for White Light Emission Studies
1	72	Park Tower 8216	Jessica	Patel	Delaware State University	Calcium Lead Titanate Thin Films for Pyroelectric Detector Application
2	57	Park Tower 8216	Joshua	Patterson	Delaware State University	Effect of pH on Chitosan-TPP Nanoparticles for Oral Drug Delivery in a Model Digestive System
2	64	Park Tower 8216	Olivia	Penrose Hamouch	Norfolk State University	Electron Transfer Reactions on Hyperbolic Metamaterials
2	15	Virginia A	Anna	Pina	University of Texas at El Paso	Effects of Water Quality, Wetland Age and Water Source on Macroinvertebrate Communities in Wetlands of the US Desert Southwest
2	19	Virginia A	Shannon	Pittman	Alabama State University	Investigation of Lung Thanatomicrobiome from Italian Cadavers
1	89	Virginia B	Marquese	Pollard	Florida Agricultural and Mechanical University	Integrative Additive Manufacturing for Intelligent Composite Fabrication
2	46	Park Tower 8206	Lloyd	Ramirez	University of Puerto Rico at Mayaguez	Measuring Sediment Deposition-accumulation on Puerto Rico's Water Reservoirs after Hurricane Maria
2	13	Virginia A	Teomie	Rivera-Miranda	University of Puerto Rico Rio Piedras	Developmental Roles of Frizzled Receptors in Butterfly Embryos
2	29	Park Tower 8209	Ann-Elodie	Robert	University of Mississippi	Modification of Commercially Available Kits to Extract DNA from Teeth Samples
2	47	Park Tower 8206	Tonian	Robinson	University of South Florida	Comparison of Interferometric Synthetic Aperture Radar (InSAR)-derived Subsidence Time Series with Ground-based Estimates of Sinkhole Activity, West-central Florida, USA
2	91	Virginia B	Nancy	Ronquillo	University of California, San Diego	Estimating Mode Collapse in Video-based Generalized Adversarial Networks (GANs)
2	49	Park Tower 8206	Shakira	Rosario Estremera	University of Puerto Rico at Ponce	Identification of <i>Vibrio cholerae</i> , <i>Vibrio parahaemolyticus</i> , and <i>Vibrio harveyi</i> in Mangrove Surface Water using Colony PCR, in Punta Cucharas Natural Reserve and Playa Hilton: Ponce, Puerto Rico
3	20	Marriott Balcony B	Karina	Rosario Mendez	University of Puerto Rico-Aguadilla	What is the Effect of Gold and Silver Nanoparticles as Fungicides of <i>Fusarium</i> in Tomato Crops?
2	74	Park Tower 8212	Juan	Salinas	The University of Texas Rio Grande Valley	Hispanic-Serving Institutions and the Transformation of Science and Mathematics Education
2	50	Park Tower 8206	Ankush	Sangra	Fort Valley State University	Plant Regeneration through Somatic Embryogenesis from Hypocotyl and Leaf Ex-plants of Alfalfa
1	56	Park Tower 8211	Carlos	Seda	University of Puerto Rico, Rio Piedras	The Number of Solutions to Systems of Polynomial Equations with Multivariate Polynomials over Finite Fields as Coefficients
1	40	Park Tower 8219	Mehrnoosh	Shakarami	University of Texas at San Antonio (UTSA)	Safety and Consistency of Subject Attributes for Attribute-Based Pre-Authorization Models
2	65	Park Tower 8216	Amrit	Sharma	Norfolk State University	Lead-free Epitaxial Ferroelectric Heterostructures for Energy Harvesting from Low-Grade Waste-heat
2	81	Park Tower 8212	Sade	Shofidiya	Savannah State University	The Relationship Between Autonomous Vehicles and Distracted Driving

2019 ERN Conference in STEM
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 Washington Wardman Park Hotel
 Graduate Oral Presentation Schedule*

Oral Presentation Session 1: Friday, Feb. 22 – 10:00am – 12:15pm
 Oral Presentation Session 2: Friday, Feb. 22 – 4:00pm – 6:30pm
 Oral Presentation Session 3: Saturday, Feb. 23 – 8:00am – 10:30am
 Oral Presentation Session 4: Saturday, Feb. 23 – 11:00am – 12:30pm

1	2	Virginia A	LaTonya	Simon	University of Wisconsin-Madison	Sex-Dependent Regulation of Valvular Inflammation
2	75	Park Tower 8212	LaTasha	Starr	University of Texas at Arlington (UTA)	The Use of Lean Six Sigma to Enhance Instructor and Student Performance Outcomes in Higher Education
1	7	Virginia A	Dominique	Stephens	Howard University	Spatiotemporal Organization and Protein Dynamics Involved in Trafficking and Regulated Exocytosis of MMP-9 during PMA-induction in MCF-7 Breast Cancer Cells
1	3	Virginia A	Kendra	Swain	Alabama State University	Human Endothelial Interactions on LTP Modified Vascular Graft Materials
3	22	Marriott Balcony B	Steven	Toro	University of Connecticut	Increased Levels Of Methionine Sulfoxide Associated With An APAP Autoprotection Mouse Model Do Not Confer Cytoprotection Against APAP In Vitro In Hc04 And HepaRG Cell
1	41	Park Tower 8219	Cyanea Van	Trieu Do	University of Texas at San Antonio	A Multi-Level Computational Methodology for Predicting Cyberattack Patterns in IPv4 Address Space
2	76	Park Tower 8212	Kristi	Tullis	Western Michigan University	The Social Support Networks of Underrepresented Minority STEM Graduate Students at Predominately White Institutions
1	90	Virginia B	Jordan	Ulibarri-Sanchez	New Mexico State University	Fatigue Simulation of Carbon-Fiber/Epoxy Adhesive Layers with Embedded Sensor Component
2	42	Park Tower 8206	Allen	White	Texas Southern University	Seasonal Variation of Trace Metals in Wet and Dry Deposition at a Single Site in Houston, TX
2	82	Park Tower 8212	Kyessha	Wilcox	Michigan State University	Recreation, Healthcare Access and Gentrification in Detroit, Michigan
2	51	Park Tower 8206	Laura	Wiseman	University of Missouri - Columbia	Monitoring of an Urban Level Spreader as Part of the Collaborative Adaptive Management Process
2	67	Park Tower 8216	Kelsea	Yarbrough	Norfolk State Universty	Sn-doped ZnO of an Active Layer for Thin Film Transistor device

*Presentation schedule is listed by primary author's last name