

Session #	Room Assignment	Abstract #	First Name	Last Name	Institution	Abstract Title
3	Meeting Room 12	52	Candice	Adams	Auburn University	An Analysis of a Scalable Modularized Framework for Designing and Implementing Adaptive Learning Environments
3	Franklin Square	103	Elvis	Addai	North Carolina A&T States University	Groundwater Contaminant Transport Modeling Using Multiple Adaptive Data Assimilation Techniques
3	Meeting Room 13	61	Segun	Adelanke	Texas Southern University	Effects of Landscape Factors on Mercury and Methylmercury Contamination and Bioaccumulation in Red breast sunfish ( <i>Lepomis auritus</i> ) in East Fork Poplar Creek Watershed, Tennessee
4	Meeting Room 11	106	Pavan	Akunuri	Virginia State University	Image Characterization to Quantify the Surface Roughness of the damaged High Performance Polymer Fibers
3	Meeting Room 12	59	Bernard	Aldrich, Jr.	Jackson State University	Implementing a Snake Tool to Track the Ice Surface and Ice Bottom in a Radar Echogram
1	Meeting Room 10	4	Nadya	Ali	Michigan State University, College of Human Medicine	The Role of Phosphoglycerate Dehydrogenase in Neuroblastoma Cells
1	Meeting Room 11	48	Cares	Bailey	Mississippi Valley State University	Effects of Soil Application of Micro Elements and Chelating Agent on Mineral Content of Soybean Leaves and Seeds
3	Meeting Room 9	90	John	Baker	University of Wisconsin-Milwaukee	The Politics and Economics of Porn: African American Female Exotic Dancers: Nothing is Exotic about Risky Sexual Behaviors
4	Meeting Room 9	71	Brianna	Bingham	Jackson State University	Arterial Pulse Wave Propagation Accounting for Aortic Aneurysm Development and Rupture
1	Meeting Room 11	31	Soijett	Blue	North Carolina Agricultural and Technical State University	Synthesis of Antimicrobial Peptides in the Application of Novel Amino Acids
3	Meeting Room 9	91	Alfredo	Bolanos	University of New Mexico	Altered Neural Oscillations During Multisensory Integration in Adolescents With Fetal Alcohol Spectrum Disorder

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3	Meeting Room 13	92	Kingsley	Bonsu	North Carolina A&T State University	Economic Feasibility of Biomass Feedstocks for Biofuel Production in NC
3	Meeting Room 13	60	Dorine	Bower	University of Arkansas, Fayetteville	Dynamics of the Carbon Sequestration Cycle from a Biological/ Terrestrial Perspective
2	Meeting Room 12	37	Kwame	Brown	North Carolina A&T State University	Synthesis, Characterization, Crystallography, and Antimicrobial Activity of Novel Gold(I) Complexes with Phosphine Ligands (L1) tris(4-methoxy-3,5-dimethylphenyl)phosphine and (L2) Bis(2-methoxyphenyl) Chlorophosphine
4	Meeting Room 11	104	Kyra	Bryant	Tennessee State University	An Exploration of Wind Stress Calculation Techniques in Hurricane Storm Surge Modeling
1	Meeting Room 11	32	Jasmine	Burrell	Jackson State University	Novel Reductive Pathways For Hydroxywarfarin Metabolism
3	Meeting Room 12	53	Karen	Byrd	Elizabeth City State University	Snow Water Equivalent (SWE) Data-Processing Simulator for a Wideband Instrument for Snow Measurement (WISM)
3	Franklin Square	93	Kailyn	Cage	University of Maryland, College Park	Exploring New Work Options for Emergency Dispatchers
4	Meeting Room 8	86	Andres	Calle	University of Puerto Rico-Mayaguez	Engaging Hispanic Youth into STEM via Clubs and 'Balloons' Activities
3	Meeting Room 11	23	Zahra	Campbell	Alabama State University	Life after Death: Thanatobiome Sex Differences
3	Meeting Room 11	30	Simira	Carothers	Jackson State University	Isolation and Identification of the Phytochemicals from the Leaf Extract of <i>Tabernaemontana Longipes</i>
2	Meeting Room 11	10	Melissa	Carr-Reynolds	University of Connecticut Health	Differential Gene Expression in TRAP-positive Cells During Mouse Embryonic Skeletal Development

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2	Meeting Room 12	38	Cord	Carter	Jackson State University	Protein Expression and Purification Combined with FPOP to Identify GCaMP2 Structure
2	Meeting Room 11	11	Monica	China Diliz	University of Illinois Urbana Champaign	Identifying the Role of FMRP and MOV10 in Neuronal RNA Translational Suppression
3	Meeting Room 11	25	Jessica	Cole	Clafin University	CAMP Resistance in Serratia Marcescens
1	Meeting Room 12	77	Christopher	Copeland	Jackson State University	Theoretical Investigation of Sc-doped Boron Nitride Nanotubes for Methane Sensing and Detection
2	Meeting Room 12	49	Carlos	Crawford	North Carolina A&T State University	The Use of Lanthanide-MOFs for the Detection of VOCs Derived from Tire Burning and Crude Oil Emissions
1	Meeting Room 11	47	Krystal	Cunningham	University of California, Los Angeles	Characterization Techniques Used in the Forensic Analysis of a Metal Art Object
3	Meeting Room 12	54	Veda Lakshmi Swetha	Dasari	Bowie State University	Augmented Reality (AR) Mobile Application for Campus Building Evacuation
1	Meeting Room 10	5	Myles	Davis	Tuskegee University	Comparison of Treatment Decisions in African American vs. Caucasian Men with Prostate Cancer from a Single Institution
1	Meeting Room 10	1	Nilse Lene	Dos Santos	University of Connecticut Health	Interactions between the MSH2-MSH6 and MLH1-PMS2 Mismatch Repair Protein Complexes on Mismatched DNA
4	Meeting Room 8	87	Shabnam	Etemadi	Tennessee State University	An Investigation of STEM Graduate Student Perceptions of Institutional Practices
1	Meeting Room 12	78	Aiesha	Ethridge	Tuskegee University	Construction of Solid State Nanoreactor for the Synthesis and Characterization of Large Scale Metallic Nanoparticles

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1	Meeting Room 12	79	Monique	Farrell	Norfolk State University	Visual Biosensing of Bovine Serum Albumin Using Induced Aggregation of Gold Nanoparticles via 3-Aminopropyl Triethoxysilane
2	Meeting Room 12	39	Gabriela	Fernandez-Cuervo	University of Arizona	Monitoring $\beta$ -glucuronidase with catalyCEST MRI: A Method to Assess Antibody Directed Enzyme Prodrug Therapy
3	Meeting Room 11	26	Shari	Galvin	Texas Southern University	Developing a Lung Tissue Bacterial Co-culture Model
2	Meeting Room 11	12	Velia	Garcia	Fisk University	Structure-function Studies of Manganese Superoxide Dismutases
1	Meeting Room 11	33	Amakia	Gibson	Clafin University	Autism and Metabolomics
1	Meeting Room 10	3	Sydney	Gibson	Rice University	Utilization of 3D Micropatterned Collagen Models to Study Lung Adenocarcinoma Invasion
3	Meeting Room 12	55	Elliot	Gottfried	North Carolina A&T State University	Differences Between Android and Windows Memory Management
3	Franklin Square	96	Kenneth	Gutierrez	University of California, Los Angeles	Perception of Object Motion within the Hand Using Multimodal Tactile Sensors
2	Meeting Room 11	13	Joshua	Haynes	Fisk University	Engineering a Manganese Specific Binding Protein
1	Meeting Room 10	6	Viincent	Hembrick-Holloman	Tuskegee University	Computational Analysis of New Designed Peptides Designed to Target GnRHR-R and PSMA on Prostate Cancer Cells
3	Meeting Room 13	69	Habibur	Howlider	Texas Southern University	Analyzing the Heavy Metal Contamination and Their Soil and Sediments Dynamics in East Fork Poplar Creek (EFPC) Watershed in Tennessee

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2	Meeting Room 11	14	Brandon	Hughes	Claflin University	The Impact of Fragrances on Neuronal Development May Cause Autism Spectrum Disorder and Male Bias
1	Meeting Room 10	7	Aisha	Hunt	Clark Atlanta University	Genome Wide Association Study of OAS1 as a susceptibility locus in Prostate Cancer
4	Meeting Room 11	107	Chemar	Huntley	Tuskegee University	Chemical Functionalization and Characterization of Crystalline Cellulose Derived from Agricultural Waste Products
1	Meeting Room 11	34	JaNise	Jackson	Clark Atlanta University	Synthesis & Functionalization of Novel Iron Oxide Nanoparticles with Biocompatible Materials for Drug Delivery Applications
1	Meeting Room 10	8	Devin	Jacob	Tuskegee University	Comparison of Breast Tissue Microbiota in Normal and Breast Cancer Patients in African American and Caucasian Women in Rural Alabama
1	Meeting Room 12	80	Erin	Jenrette	Norfolk State University	Quantum-dot-conjugated Graphene Oxide as an Optical Tool for Biosensor
2	Meeting Room 12	40	Marion	Johnson	North Carolina Agricultural & Technical State University	Synthesis and Characterization of Novel Gold (III) Thiolate Complexes
3	Meeting Room 13	62	Bryan	Juarez	Iowa State University	The Ecomorphological Evolution of Lobe-finned Fishes (Sarcopterygii) During the Paleozoic
3	Franklin Square	97	Simbarashe	Kanjanda	Tennessee State University	Effect of Bottom Friction and Surface Roughness in Hurricane Storm Surge Simulation Using ADCIRC+SWAN Model
2	Meeting Room 11	15	Djene	Keita	Texas Southern University	House Dust and Triclosan Activated MAP Kinase Pathways in Lung Epithelial Cells
3	Franklin Square	98	Flomo	Kokro	California State University, Los Angeles	Analyzation of a Parabolic Solar Trough and Collector Using Ray-Tracing Software TracePro

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3	Meeting Room 13	70	Shruti	Lakkaraju	Texas Southern University	Geospatial and Statistical Analysis of Methyl Mercury (Me Hg) and Polychlorinated Biphenyls (PCBs) Distribution in East Tennessee Watersheds
4	Meeting Room 11	105	QIng	Li	Texas Southern University	Risk Assessment of Traffic Noises to Neighborhood and and Passengers
4	Meeting Room 9	72	Tyson	Loudon	University of Minnesota	Dynamic Active Subspaces for a Long Term Model of HIV
3	Meeting Room 13	68	Abniel	Machin	University of Turabo	Photocatalytic Hydrogen Production via Water Splitting using Gold-Based Catalysts under UV/VIS Light
3	Meeting Room 11	24	Andy	Madrid	University of Wisconsin-Madison	Prenatal Stress Disrupts 5-hydroxymethylcytosine and Gene Expression Resulting in Autistic Behaviors
3	Meeting Room 11	28	Jessy	Martinez	California State University, Los Angeles	Assessing the Long-Term Effects of Withania somnifera on Hippocampal Dependent Behavior and Gene Expression
3	Meeting Room 12	56	Paul	McNeil	Tennessee State University	Scredent: Scalable Real-time Anomalies Detection and Notification of Targeted Malware in Smartphones
4	Meeting Room 11	108	Shatori	Meadows	Tuskegee University	Effect of Different Peroxide Initiators on the Cure Behavior of Recycled Unsaturated Polyester Envirez™ Resin
3	Meeting Room 12	51	Brandon	Megna	Virginia State University	Scintillometer and LIDAR Applications Evaluation of Wake Vortices
2	Meeting Room 12	41	Lydia	Mensah	University of Michigan, Ann Arbor	Vitamin B2 as an Electron Mediator in a Biofuel Cell
2	Meeting Room 12	42	Marco	Messina	University of California, Los Angeles	Cationic Polymerization of Styrene Utilizing Metal-Free, Boron-Rich Cluster Photocatalysts

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1	Meeting Room 12	81	Quentarius	Moore	Jackson State University	Controlling Chemical Vapor Transport Synthesis of Bismuth Telluride Nanosheets on Mica Substrates
3	Franklin Square	94	Vicente	Munguia	California State University, Los Angeles	Video-Game Hardware for the Real World: Using Joint-Angle Extraction to Assist Physical Therapy
3	Franklin Square	99	Mahreen	Nabi	Texas Southern University	Quantifying Vehicular Emission with the Impact of Pavement Roughness in Freeway Weaving Segments
2	Meeting Room 12	43	Genique	Nicholas	University of the Virgin Islands	Antioxidant Activity in Fresh Herbs
4	Meeting Room 11	109	Chukwuma	Nweke	Tuskegee University	Processing and Characterization of Bismaleimide Composites Modified with Core-Shell Siloxane (CSS)/Carbon Nanotubes (CNTs)
3	Meeting Room 11	22	Charles	Ogindo	Howard University	Homology Modeling of T. cruzi Tubulin Receptor and Pharmacophore Elucidation to Design Potent Selective Ligands to Combat Chagas Disease
2	Meeting Room 11	16	Shawntel	Okonkwo	University of California, Los Angeles	Bur1/2 Complex Plays a Role in Co-transcriptional Gene Regulation
1	Meeting Room 12	82	Maria	Pace	UC Berkeley	Silicon Nanowires for Chemical Sensors, True pH Measurement and Ion Specie Identification
3	Meeting Room 11	27	Shu	Pan	University of Wisconsin-Madison	Reconstructing a Genome-Scale Metabolic Model for Vibrio fischeri ES114
2	Meeting Room 11	17	Casey	Paton	Fisk University	Examining the Increased Susceptibility of fkh-8 and dat-1 Mutants to Manganese Neurotoxicity
4	Meeting Room 9	73	Melanie	Payton	North Carolina Agricultural and Technical State University	The Impact of the Pockets of Low Vaccination Coverage in the Spread of Measles

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1	Meeting Room 12	76	Komitige	Perera	Howard University	Probing the Interactions Between $\alpha$ -1, 4-Mannobiose Molecules Using AFM
3	Franklin Square	95	Ismael	Perez	California State University, Los Angeles	Simulating the Effects of Neuromuscular Electrical Stimulation in the Injured Spinal Cord
3	Meeting Room 13	63	Danielle	Perryman	Oklahoma State University	Effects of Supplemental Feeding on Nesting Success in Eastern Bluebirds, <i>Sialia sialis</i>
3	Meeting Room 13	64	Kianna	Phillip	Georgia State University	Response of <i>Eublepharis macularius</i> to Aposematic Coloration in Prey
3	Franklin Square	100	Kahntinetta	Pr'Out	Iowa State University	Analyzing the Effects of Climate and Geometry on Attic Spaces using Fraunhofer Attic Thermal Model (FATM)
3	Meeting Room 11	29	Adonis	Rivie	William Paterson University	Plasma and Tail Regeneration in Tadpoles <i>Xenopus laevis</i> : Do Reactive Oxygen Species Enhance the Process?
3	Franklin Square	102	Nancy	Ronquillo	University of California, San Diego	Adaptive Multiband Spectrum Sensing for Cognitive Radio
4	Meeting Room 11	110	Kyle	Rose Sr.	Alabama A&M University	Application of Phase Change Material to Increase Solar Panel Efficiency
3	Meeting Room 13	65	Steven	Salinas	New Mexico Highlands University	American Bullfrog and Northern Crayfish Invasion of Northern New Mexico: How do they effect Each Other?
3	Meeting Room 9	89	Cornelia	Santos	University of Colorado Denver	Further Conversations for Native Cancer Patient Navigators in Indian Country: Conversations of Native Navigators and Western Medicine: New Findings Presented in Relation to Using a Hybrid of Traditional Native Medicine and Western Medicine in Addressing Cancer Care
1	Meeting Room 12	83	Genefine	Sapateh	Clark Atlanta University	Electroactive Polymeric Nanofibers As Active Component in Biosensors

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2	Meeting Room 11	18	Ansley	Scott	Jackson State University	Interaction of HA-MC4R-mCerulean3 with Gs-YFP
1	Meeting Room 12	84	Amrit	Sharma	Clark Atlanta University	Electronic Characterization of SWCNT/Block Copolymer-based Nanofiber for Biosensor Application
4	Meeting Room 9	74	Shanah	Sharpe	Jackson States University	Calibration, Exact and Numerical Solutions of Energy Balance Models with some Applications
2	Meeting Room 12	44	Tiana	Shaw	Clark Atlanta University	Process to Functionalize Polyaniline for Avidin-Biotin Biosensing Applications
1	Meeting Room 10	2	Shenna	Shearin	North Carolina Agricultural and Technical State University	Mutational Characterization of the Domain Interface Residues of Human Blood Coagulation Factor VIII: A Computational Molecular Dynamics and Free-energy Analysis
4	Meeting Room 9	75	Raymond	Smith	North Carolina A&T State University	A Mathematical Investigation of Vaccination Strategies to Prevent Measles Epidemic
2	Meeting Room 12	45	Loraine	Soto-Vazquez	Turabo University	Catalytic Degradation of the UV-filter Phenylbenzimidazole Sulfonic Acid Lead by Synthesized ZnONPs
3	Meeting Room 12	57	Swetha	Sree	Bowie State University	Modeling Evacuation Behavior Using Fuzzy Logic in a Multi-Agent System
3	Meeting Room 13	66	Melisa	Stewart	Prairie View A&M University	Carbon (CO <sub>2</sub> ) Capture with a Novel Solid Absorbent of Polyethyleneimine (PEI) Impregnated Titanate Nanotubes (TNTs)
3	Franklin Square	101	James	Stigall	Bowie State University	Modeling Stress and Panic in Emergency Situations

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3	Meeting Room 12	58	Waled	Tayib	Tennessee State University	Real-time Analytics on Apache Spark based Cloud Computing System
2	Meeting Room 11	19	Stevon	Taylor	Jackson State University	Regulation of Thrombospondin-1 via MicroRNA-1 in Pulmonary Adenocarcinoma Cells
3	Meeting Room 11	20	Kumar	Tiger	California State University Los Angeles	The Regulation of MyoD, Myogenin, Id2, Id3 and RP58 Gene Expression in MyoD Knockdown Cells Throughout Myogenesis
4	Meeting Room 8	88	Julaunica	Tigner	Tuskegee University	K-12 Educational Investigation using Glucose Sensors
4	Meeting Room 11	111	Boniface	Tiimob	Tuskegee University	Nano Eggshell Toughened Polylactic Acid/Aliphatic-aromatic Copolyester Flexible Biodegradable Blend
1	Meeting Room 12	85	Keith	Tukes	Hampton University	Laser-Induced-Breakdown Spectroscopy of Potassium-Based Energetic Materials Deposited on Substrates in the UV-VIS and MIR Regions
1	Meeting Room 11	35	Rebecca	Vargas	CSU-Los Angeles	Exploring the Influence of Antifreeze Proteins from Cold-adapted Beetles on Thermal Inhibition of Enzymes
3	Meeting Room 13	67	Cristian	Virrueta	University of California San Diego	Methane and Helium Systematics of the Western Panamanian Volcanic Front
1	Meeting Room 11	36	Sharnek	Walker	Jackson State University	Fenton Reaction Damaging Effects on Biological Molecules: A Theoretical Study
2	Meeting Room 12	46	Marquita	Watkins	Jackson State University	Intermolecular Interaction Investigaton of Phenol Adsorption to Selected Multi-Walled Carbon Nanotubes
3	Meeting Room 11	21	Jonelle	White	University of California-Los Angeles	Characterization of Methyltransferases Involved in Protein Translation in Saccharomyces cerevisiae

2016 ERN Conference in STEM  
 Washington, DC - February 25-27, 2016  
 Renaissance Hotel  
 Graduate Oral Presentation Schedule\*

Oral Presentation Session 1: Friday, Feb. 26th - 10:00am - 12:15pm  
 Oral Presentation Session 2: Friday, Feb. 26th - 4:00pm - 6:30pm  
 Oral Presentation Session 3: Saturday, Feb. 27th - 8:00am - 10:30am  
 Oral Presentation Session 4: Saturday, Feb. 27th - 11:00am - 12:30pm

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1	Meeting Room 10	9	Charmonix	Williams	Jackson State University	Tumor Regression via Over Expression of Transcriptional Factor FOXO3A in Glioblastoma U 87 Cell Type
2	Meeting Room 12	50	Shawnta D.	Woods	Jackson State University	Excitations for the Analysis of Polycyclic Aromatic Hydrocarbons

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