Session #	Room	Abstract #	First Name	Last Name	Institution	Abstract Title
2	Tyler	100	Ayman	Abdullah-Smoot	Texas Southern University	Mass Measurements of 27P for Improved X-ray Burst Modeling
3	Harding	9	Alini	Agnes	Harris-Stowe State University	The Role of Midline in Patterning the Adult Compound Eye of Drosophila
1	Marriott Balcony A	126	Jasleen	Alexis	University at Buffalo	Hand Grip Proxy for Web-based Gamification
1	Harding	5	Chris	Andersen	University of Puget Sound	Connecting Spatial Proteomics to Cancer Patient Outcomes
3	Harding	10	Aminat	Animashaun	Alabama Agriculture and Mechanical University	GPR55 KO & Antagonist Effect on the Lipidome
1	Park Tower 8216	110	Oluwadamilola	Babatola	University of Georgia	Characterizing Black STEM Majors Excellence in the Face of Challenges
3	Park Tower 8219	36	Kaylen	Barnes	Claflin University	Synthesis and Structural Characterization of new Penta- coordinated Cd(II) ions
2	Coolidge	49	Karis	Barnett	University of Maryland, Baltimore County	Understanding the Chemical Transformation of Redox-Active Molecules using Electrochemical Microscopy
3	Marriott Balcony A	117	George	Barton	Parkland College	Fabrication of a Multimaterial Variable Stiffness Hinge for a Flapping Wing Unmanned Aerial Vehicle
1	Hoover	66	Diavion	Beckford	Howard University	The Effects of pH levels on the Development and Hatching Success of the Killifish Embryo
4	Park Tower 8212	27	Kaeleen	Boggs	Grand Canyon University	Social Media Induced Depression; Your Adolescents are at Risk
1	Hoover	80	Shayne	Boykin	Southern University at New Orleans	Characterization and Assessment of Variations in Nutrient Loads at Mainstem Mississippi River Basin
3	Harding	11	Sebrena	Brink	Claflin University	Effects of the Measles-Mumps-Rubella (MMR) Vaccine on Developing Fetal Neurons
1	Tyler	85	Talia	Brown	Grand Canyon University	Mathematical Study of the Dynamics of Prescription Opioid Misuse
1	Marriott Balcony A	130	Sage	Brown	Norfolk State University	Laser Ablation of Parylene-C coated Au/Ti Substrates
4	Park Tower 8212	35	Evan	Buckner	University of Arkansas - Fayetteville	The Effects of Planting Population and Soil Fertility on Tar Spot of Corn
3	Park Tower 8219	52	Eduardo	Chaparro	University of Puerto Rico at Ponce	Nanotoxicity of Fluorescent CdS Quantum Dots
3	Park Tower 8212	69	Maria Alejandra	Chardon Suarez	University of Puerto Rico, Rio Piedras	Distribution of Snake Species in Puerto Rico using Instruments of Citizen Science
1	Tyler	86	Santiara	Churchwell	North Carolina Agriculture and Technical State University	Facial Recognition Research Utilizing the ORL Database of Faces
1	Tyler	87	Matthew	Clark	Fisk University	Modeling Blood Glucose for the Detection of Type 2 Diabetes
3	Park Tower 8219	54	Carla	Colón Cruz	Ana G. Méndez University, Gurabo	Titania-silver Based Nanomaterials for Hydrogen Production via Water Splitting
1	Harding	31	Giovanni	Cook	Tuskegee University	The Effects of di(2-ethylhexyl) phthalate and a High Fat Diet on Ovarian Steroidogenesis During Pregnancy in Mice
2	Harding	25	Kati	Cranmore	Alabama State University	Gene Expression in Cadaveric Liver Tissues after Death

3	Park Tower 8212	75	Chloe	Cromer	University of North Georgia	Soilmates: Identifying Plant and Soil Interactions
3	Park Tower 8212	70	Kirsten	Curran	Virginia State University	Suriname Anurans Still Batrachochytrium dendrobatidis Free
3	Park Tower 8212	76	Nimal	de Lanerolle	Suffolk County Community College, Selden, NY	An Investigation of the Abnormal Behavior of Ocean Dissolved Oxygen (DO) Off the Coast of North Carolina.
4	Park Tower 8212	22	Shafarah	Dixon	Claflin University	Synthesis of New Metal Coordination Polymer of 2, 6 Diacetylpyridine & Lanthanum III Triflate Ions
3	Marriott Balcony A	123	Giancarlo	D'Orazio	University of the District of Columbia	Design of a Subsurface Ice Melting Head for use in Martian Atmospheric Conditions
3	Park Tower 8219	41	Samentha	Dumervil	Howard University	The Electrochemical Production of Sodium Hypochlorite from Salt Water
2	Tyler	102	Daniel	Duong	University of West Florida	Synthesis and Preparation of Upconverting and Downconverting Phosphors for Sensing Applications
2	Marriott Balcony A	118	Alexander	Edmonson	Hampton University	Detection of MMP-9 Activity using Opto-active Polyurethane Casts
2	Tyler	103	Emily	English	University of Arizona	Towards Observing Nonreciprocal Wave Propagation in Spatiotemporally Modulated Granular Chains
2	Coolidge	43	Leslye	Enriquez	Saint Mary's College of California	Measuring the Force and the Bend Angle of Photo-Responsive Liquid Crystal Elastomers
1	Park Tower 8216	111	Deema	Farraj	Brooklyn College CUNY	Identifying Sex: Using Modified Sine Wave Speech to Test Listener Perception of Voices
3	Park Tower 8219	53	Kimberly	Fenin	Howard University	The Drug Delivery of Amoxicillin
1	Park Tower 8216	107	A'liyah	Fleeks	Harris-Stowe State University	Ozone Stress Effects on Plants as a STEM Educational Tool
1	Park Tower 8216	112	Mayumi	Fleming	University of the District of Columbia	Country-of-Origin versus Country-of-Manufacture Effects with Design-Tech Synergy: A Neoteric Approach to Innovation
2	Coolidge	44	Kenneth	Fontanez	Ana G. Mendez University	Radiation Sensors Based on Carbon Nanotubes
2	Harding	26	Nora	Gilliam	Indiana University - Purdue University Indianapolis	Optimization of Isothermal Amplification in SHERLOCK for the Detection of Tick-Borne Pathogens
3	Harding	12	Victor	Gipson II	University of Georgia	Does XEN Cell Epigenetic Memory Influence Reprogramming Outcomes?
2	Marriott Balcony A	135	Rachel	Gorelik	University of Arizona	Finite Element Model of Non-reciprocal Acoustic Wave Propagation in a Spatiotemporally Modulated Waveguide
3	Park Tower 8212	71	Anthony	Grate	Missouri State University	Assessing Fertility Patterns in a Captive Population of Alligator Snapping Turtles (Macrochelys temminckii)
1	Harding	6	Skylar	Groves	Norfolk State University	Molecular Profiling of Renal Cell Carcinoma with Inferior Vena Cava Thrombus
3	Hoover	56	Ananya	Gupta	Claflin University	Android Based GPS Tracking Application Development Incorporating GPS, Geo-coding, and Google Map API
2	Tyler	105	Sarah	Hagen	Southern Illinois University Carbondale	Local States Can Be Used to Distribute Nonlocality
4	Park Tower 8216	95	Biya	Haile	Georgia Institute of Technology	Three-dimensional Printing of Carbon Nanostructures
1	Park Tower 8216	109	Basirat	Haroon	Bowie State University	Technical Stock Return and the Empirical Analysis of CAPM

3	Harding	13	Kennedy	Harris	Tuskegee University	The Effects of a Pumpkin-Based Diet on Blood Pressure, Left Ventricular Hypertrophy, and Left Ventricular Angiotensin Type 2 Receptor Expression in the Spontaneously Hypertensive Rat
3	Marriott Balcony A	134	Devontay	Harris	Virginia State University	Fabrication Of A Solid Oxide Fuel-cell
3	Park Tower 8212	72	Rebecca	Hernandez	University of Texas at Austin	Prevalence of Shewanella in Oysters and Seawater in Maryland
3	Hoover	57	Dytalyan	Holmes	Fort Valley State University	Improved Viola-Jones Face Detection Method Based on Cross- Object Comparison
3	Hoover	58	AaLeeyah	Housey	Claflin University	Developing a Robotic Chemistry Teaching Assistant
2	Harding	28	Brittany	Hume-Dawson	Alabama State University	Gut-associated Bacteria in Human Postmortem Brains
3	Marriott Balcony A	116	Balaji	lyengar	Parkland College	Experimental Evaluation of a Flapping Wing Unmanned Aerial Vehicle with a Variable Stiffness Hinge
2	Harding	3	Kamaya	Jackson	Delaware State University	Non-Operative Proposal for Pectus Carinatum: Pump Chest
2	Harding	1	Monique	John	University at Albany	Purifying the RBFOX2-RRM to Further Understand its Role as a RNA Binding Protein
2	Tyler	106	Kayleigh	Johnson	University of Arkansas at Pine Bluff	Bacterial Motility and Chemotaxis at Different Concentrations of Magnesium Sulfate
4	Park Tower 8216	96	Shaniqua	Jones	Tennessee State University	Electrospraying Reduced and Non-Reduced Graphene Oxide Doped Polyvinylidene Fluoride (PVDF) Substrates for Surface Acoustic Wave (SAW) Device Applications
3	Park Tower 8219	39	Navdeep	Kaur	California State University, Bakersfield	Proliferative Effects of Beer and Hops Samples and its Anti-Cancer Characteristics
3	Harding	14	Christopher	Kelly	Bowie State University	Synthesis of a Creatine-Coumarin Conjugate for Assessment of Creatine Transport
1	Tyler	88	Zackary	Kinsman	Texas Southern Univerity	Food Image Classification Using CNNs and the Effects of Non- linearity
1	Hoover	82	Aaliyah	Lackings	Delaware State University	Spectroscopic Study of Nanoparticles Distribution in the Leaf, Stem and Root of the Pea Green Plant
1	Marriott Balcony A	131	Keenan	Leatham	University of the District of Columbia	Microcontroller Radar Stations utilizing Software Defined Radio (SDR)
2	Tyler	101	Kaitlynn	Lilly	University of Maryland, Baltimore County	Spectral Energy Distributions of Morphologically Classified X-ray Luminous AGN
1	Tyler	89	lan	Livengood	North Carolina Agriculture and Technical State University	Modeling Tropical Cyclogenesis Frequency and Variation in the North Atlantic Basin
2	Coolidge	45	Natalie M.	Lopes Velasco	University of Puerto Rico at Ponce	Cerium Oxide Nanostructures: Photocatalysis and Nanotoxicity
2	Marriott Balcony A	120	Larry	Luster	Hampton University	Characterization of Bone-Polymer Interactions in an Extrudable Composite
1	Tyler	90	Jerry	Magaña	University of North Georgia	Topography and Behavior Based Movement Modeling for Missing Persons in Land-Wilderness Settings: Path Selection with Dynamic Programming and Bellman Equations
1	Marriott Balcony A	127	Amir	Majeed	Virginia State University	Robotic Arm With 6 Degrees of Freedom

3	Hoover	59	Sven	Marnauzs	Boise State University	A Deep Learning Approach for Depression Detection via Social Media
1	Harding	32	Karina	Matos	University of Puerto Rico at Ponce	The Contribution of the Functional Stretch Reflex to the Loss of Balance in Astronauts
1	Hoover	81	Derek	McFarland	Harris-Stowe State University	The Prevalence of Bourbon Virus in Field-Collected Ticks in Saint Louis County, Missouri
3	Park Tower 8212	77	Robert	Mckinzie	Bethune-Cookman University	Analytics of textual data structures on Visualization in Meteorology
4	Park Tower 8216	94	David	Medina-Suarez	University of Puerto Rico in Ponce	Potential Bactericidal Activity of Silver Nanoparticles
4	Park Tower 8216	98	Jousen	Merced-Colon	University of Puerto Rico in Ponce	Surface Functionalization of Cd/Se-S Quantum Dots and Nanotoxicity
1	Harding	7	Ky-Mani	Miller	Claflin University	Using Drosophila to Uncover the Roles of PGD2
1	Park Tower 8216	113	Cheyane	Mitchell	Spelman College	Navigating the Double Bind: Belonging, Identity as a Scientist, and Consistency of Interest among Black College Women in Stem at HBCUs
2	Coolidge	46	Akil	Mondie	University of the District of Columbia	Structural Studies on the Ionic and Non-ionic Triphenyltin Complexes of Mercaptonicotinic and Mercaptosuccinic Acids
1	Marriott Balcony A	128	Riquel	Moore	Virginia State University	Autonomous Ground Vehicles for Data Collection
3	Park Tower 8212	73	Dominic	Morrell	Delaware State University	Comparing Acarofauna in Habitats of an Anthropogenic Ecosystem
3	Hoover	60	Nubia	Morton	North Carolina Central University	A Data-Driven Approach to Identify Key Characteristics of Man- made Reservoirs that Lead to Reservoir-Triggered Seismicity
1	Hoover	67	Abigayle Elaine	Moser	Iowa State University	Effect of Complex Terrains on Wind Energy Production
3	Harding	15	Emaya	Moss	Louisiana State University	Estrogen Receptor Alpha (Era) Expressing Oxytocin Receptors (OXTR)
1	Marriott Balcony A	132	Edwin	Najera	Florida International University	An Actuation Mechanism for a Kresling Origami Helical Antenna
2	Coolidge	47	Chiemeziem	Oguayo	Howard University	Remediation of Contaminated Water Through Photocatalysis
3	Harding	16	Christelle	Omeler	Oakwood University	The Role of Pumpkin Flesh and Pumpkin Seed on the Antioxidant Defense System and expression of the Extracellular SOD3 in the Left Ventricle
1	Park Tower 8216	114	Chimezie	Osondu	University of Georgia	Black STEM Majors' Persistence Through the Creation of a Unique Black STEM Major Experience
1	Park Tower 8216	108	Marc-Antonio	Padilla	Oberlin College	Sepsis Survival Results in Synergistic Behavioral Deficits in Young 5xFAD Mice
2	Marriott Balcony A	136	Justin	Palacios	University of Arizona	Thermal Transport Analysis to Achieve a Spatiotemporally Modulated Phononic Crystal
1	Tyler	91	Marqus	Parker	North Carolina Agricultural and Technical State University	An Experiment for Detecting Hidden Characteristics in Handwriting Using a Hybrid Method of Statistical Learning and Resampling
2	Tyler	104	Jacob	Parks	University of Memphis	Investigation of Adhesion Behavior of Mars Regolith on Aerogel Substrates

1	Park Tower 8216	115	Priscilla	Pedrosa	University of Puerto Rico, Mayagüez	Puerto Rico and the Cell Therapies Manufacturing Global Value Chain: Global Value Chain Governance and Key Success Factors
2	Marriott Balcony A	137	Paola	Perez	The University of Texas at El Paso	An Apparatus for Measuring Quantum Capacitance at Cryogenic Temperatures
3	Hoover	61	Nhat	Phan	Fort Valley State University	Polarimetric Thermal Face Recognition Using Cross-Modal Support Vector Machines
2	Harding	2	Jade	Pinnock	Howard University	Evaluation of Anti-Escherichia Coli and Anti-Staphylococcus Aureus Activity of Pectin from Banana (Musa Sapientum) Peel
3	Park Tower 8219	37	Kori	Quillin	Tuskegee University	In Vitro Activity of Caffeic Acid Against RH-YFP Strain of Toxoplasma gondii
2	Coolidge	50	Jose	Ramirez	University of Puerto, Rico Rio Piedras	Development of Electrospun Microfibers for the Recovery of Polyphenolic Compounds: A Sustainability Model
4	Park Tower 8216	97	Carolina	Ramos	University of Puerto Rico-Mayaguez	Effect of Al2O3 Nanoparticles on the Portevin-Le Chatelier Phenomenon in Al-Mg alloys
3	Hoover	55	Zahra	Rasuli	Fisk University	Using Machine Learning to Diagnose Diabetes Mellitus in Pima Indians
1	Tyler	92	Willie	Reynolds	Savannah State University	Computational Simulation of the Ball Bouncing in a Parabolic Wall
3	Park Tower 8212	78	Jared	Richards	UNC-Chapel Hill	The Life History and Variation of Foraminifera in the Santa Barbara Basin
1	Harding	33	Alexis	Richardson	Southern University at New Orleans	The Effects of Nicotine on Planarian Environmental Preferences.
1	Hoover	68	Richard	Rivera	Medgar Evers College, CUNY	Holocene to Recent Sediment Transport of the Sabrina Coast, East Antarctica: Grain-size Analysis via Laser Diffraction
1	Harding	8	Rossymar	Rivera-Colon	University of Puerto Rico at Ponce	The Role of MicroRNAs in Glioblastoma Cell Growth and Invasion
2	Coolidge	48	Sade	Roberts	Tuskegee University	In Vitro Activity of Epigallocatechin, Epigallocatechin gallate and Pyrimethamine Alone Against the Growth of RH-YFP
4	Park Tower 8212	23	Cecilia	Salazar Teran	Virginia State University	Temperature Size Rule Rejected in Increased Size of Female Bunchgrass Lizards Due to Climate Change
1	Hoover	84	Rosanyely	Santana	Florida International University	The Effects of Copper Contamination on Aquatic Predator-Prey Interactions
3	Hoover	62	Shayra	Santiago-Borges	Virginia State University	Using Unity Software for Virtual Reality implementation in the Digital Manufacturing Process
1	Harding	34	Pamela	Schork	Delaware State University	Assessment of the Degree of Stressogenic Influence of Physiotherapy on Dogs
3	Harding	17	Raquel	Scott	Southern University at New Orleans	Folic Acid Metabolism in Caenorhabditis Elegans
2	Coolidge	51	Usmaan	Siddiqui	University of South Florida	Self-Assembly and Solution Structure of Supramolecular Bottlebrush Polymers
3	Park Tower 8219	40	Henna	Singh	California State University, Bakersfield	The Potential Intrinsic Anti-Cancer Effects of Hops in Craft Beer
2	Marriott Balcony A	119	Jacori	Small	Delaware State University	Influence of Storage Methods on Cortical Bone
3	Harding	18	Kia	Smith	Dillard University	Biomarker Identification for Polycystic Ovary Syndrome Diagnosis
1	Hoover	79	Kennedy	Smith	University of Arkansas at Pine Bluff	Using Geological Facies to Estimate Chromate Sorption to Soils
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3	Marriott Balcony A	124	Aaron	Smith	Virginia State University	Improving the Performance of a Thermoelectric Generator by Decreasing Contacts Thermal Resistance
3	Marriott Balcony A	125	Jorge	Soldevila	University of Puerto Rico, Mayaguez	Assessing and Monitoring Coastal Erosion in Western Puerto Rico following Hurricane Maria: A Case Study
3	Harding	19	Larry	Stokes	University of Mississippi	The Effects of Protease Inhibition on Muscle Stem Cells
2	Marriott Balcony A	138	Rachel	Tham	University of Illinois at Urbana- Champaign	Electrodepositing Switchable Photovoltaic Window Electron and Hole Transport Layers
3	Park Tower 8219	42	Kupaaikekaiao	Thomas	University of Colorado Boulder	Produced Water Treatment via Electrocoagulation-microfiltration and Membrane Distillation
2	Marriott Balcony A	121	Jamaka	Thomas	Howard University	Classification of Protein-rich Agro-materials through Tribo- electrostatic Separation for Production of Protein-rich Fraction
3	Park Tower 8219	38	Alyssa	Tipler	Truman State University	Investigating the Molecular Mechanism of Disulfide Bond Forming Enzyme a Molecular Chaperone
4	Park Tower 8216	99	Gabriel	Torres-Mejias	University of Puerto Rico in Ponce	Zinc Sulfide Quantum Dots as Photocatalyst of Methylene Blue
3	Marriott Balcony A	139	Kristen	Trinh	University of Arkansas	Detection of Waterborne Pathogens in Water Using Magnetic Nanoparticles
3	Hoover	65	Michael	Umelo	North Carolina Agriculture and Technical State University	Comparing SEI and SEIR Mathematical Models for Multi-host Hendra Virus Dynamics
2	Marriott Balcony A	122	Huda	Usman	University of Illinois at Chicago	Multifunctional Nanoculture System for Studying Microbial Dynamics
3	Marriott Balcony A	129	Jacob	Vanderpool	North Carolina Agricultural and Technological State University	Emerging Professional Identities of Freshman Architecture, Engineering, and Construction Women
1	Tyler	93	Roman	Vasquez	University of Central Florida	Bipartite Graphs and Line Segments Defined by Sets
2	Harding	20	Jaylon	Vaughn	Tuskegee University	Effects of Pumpkin Seed and Pumpkin Flesh on Testicular SOD2 Expression
2	Harding	4	Savon	Vigil	Eastern Connecticut State University	Raman Assessment of Mineral and Matrix Composition in the Rotator Cuff Insertion
3	Hoover	63	Aaron	Washington	Central State University	Using Artificial Intelligence to Regulate a Hydroponics System by Machine Learning
4	Park Tower 8212	24	Mya	Wells	Howard University	The Effect of Marine Heat Waves on Temperate and Tropical Phytoplankton
2	Harding	29	Kennedi	Weston	University of Arkansas at Pine Bluff	Evaluation of Fitness Cost Associated with Carriage of Inc I1 Plasmds from Enteric Bacteria
2	Harding	21	Jira	White	Claflin University	Analysis of BMP Type II Receptor Functions in Embryonic Axial Patterning
3	Park Tower 8212	74	Chyana	Woodyard	Hampton University	Chaceon quinquedens Gut Microbiota Response to the Environment
1	Marriott Balcony A	133	Anthony	Wooten	Virginia State University	Chaotic Memristor Circuit
1	Hoover	83	Nia	Worth	Harris-Stowe State University	Exploring Agave Phylogeny with Nanopore MinION Technology
3	Hoover	64	Georgiana	Wright	Alabama Agricultural and Mechanical University	Medical Uses with Tensorflow: Machine Learning to Detect Abnormalities in Mammograms