

Session #	Room Assignment	Abstract #	First Name	Last Name	Institution	Abstract Title
1	Morgan	41	Jacob	Abbott	Indiana University	Password Differences Based on Language and Testing of Memory Recall
3	Morgan	32	Richard	Abrokwah	North Carolina A&T State University	Multi-metallic Doped Mesoporous MCM-41 Nanocatalysts for Hydrogen Production via Steam Reforming of Alcohols
1	Morgan	42	Candice	Adams	Auburn University	Scalable Modularized Framework for Designing and Implementing Adaptive Learning Environments
1	Gunston West	93	Talal	Ahmed	North Carolina A&T State University	A Study of Nickel and Iron Based Catalysts in the Heterogeneous Reaction of Tar Reforming and Ammonia Decomposition of Hot Syngas
4	Gunston West	85	Nadya	Ali	Michigan State University	Examination of Breast Cancer Risk Calculator
2	Kalorama	24	Alexandra	Aloia	University of Southern California (USC)	Sustainable Synthesis of 3-Substituted Isoindolin-1-ones
1	Morgan	43	Isaac	Amo-Frempong	Bowie State University	Virtual Evacuation Drill in a Multi-user Environment
1	Northwest	58	Eric	Antmann	University of Miami	Evaluation of Pathogen Disinfection in Direct Potable Reuse Water Systems
1	Gunston West	94	Olaniran	Asanbe	Southern University and A&M College	Comparison of Computational Fluid Dynamic Simulation and Experimental Convective Heat Transfer Parameters over Asymmetric Airfoil with Varying Angles of Attack
3	Kalorama	1	Jennifer	Ausland	North Carolina Agricultural & Technical State University	Altering Cell Proliferation and Migration Pathways in Human Brain Tumor Cells Using Rosehip Extracts
3	Gunston East	72	Amarillys	Aviles	University of Puerto Rico at Mayaguez	Photo-degradation of Atrazine with Recycled Glass Filter Functionalized With TiO <sub>2</sub>
3	Kalorama	8	Nkem	Azu	Texas Southern University	Platinum Group Elements from Road Dust Activated JNK in Lung Epithelial Cells in vitro
3	Kalorama	2	Lotfi	Bassa	University of Massachusetts Amherst	Rhodiola Crenulata Inhibits Cononical WNT Signaling in MDA-MB-231 Triple Negative Breast Cancer Cell Lines
1	Morgan	49	Debarati	Basu	Virginia Tech	High-Frequency Environmental Monitoring Using a Raspberry Pi-Based System
2	Northwest	63	Ulrich	Bazemo	University of the District of Columbia	Arsenic Analysis in Urban Gardens
4	Morgan	20	Sojett	Blue	North Carolina Agricultural and Technical State University	Synthesis of Novel Amino Acids in the Application of Antimicrobial Peptides
4	Gunston West	91	Kingsley	Bonsu	North Carolina A&T State University	Perennial Energy Crops on Small Farms in North Carolina
1	Northwest	52	Dorine	Bower	University of Arkansas	CO <sub>2</sub> and Carbon Sequestration in a Biological/Terrestrial Context

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4	Morgan	21	Brittany	Boykin	Auburn University	Characterization of Agonist-Induced PPAR- $\gamma$ Conformational Changes
4	Kalorama	9	Jephter	Buahen	University of Delaware	Characterization of the Pathogenesis of Northern Leaf Blight in Maize Using Advanced Bioimaging Techniques
1	Northwest	50	Marisol	Burciaga Montoya	New Mexico State University	Cottonseed Dehulling Process
1	Morgan	44	Ka'Ren	Byrd	Elizabeth City State University	Snow Water Equivalent (SWE) Data-Processing Simulator for a Wideband Instrument for Snow Measurement (WISM)
2	Gunston West	104	Joe	Carpenter	Arizona State University	Morphological Study of Polymer Solar Cells
2	Kalorama	25	Christopher	Copeland	Jackson State University	On the Molecular Interactions of Acetic Acid and Acetamide Homodimers: A Computational Perspective
3	Gunston East	77	Janet	Cowins	Clark Atlanta University	Synthesis and Characterization Of $\beta$ -Cyclodextrin-Poly (ethylene glycol) Folic Acid: A Drug Delivery Vehicle for Anti-tumor Therapeutics
2	Gunston West	101	Mustafa	Daloglu	University of California, Los Angeles	Lensfree 3D Imaging of Sperms
3	Gunston East	76	Ejovwoke	Dosunmu	Alabama State University	Antimicrobial Effect of Silver Carbon Nanotubes Against Mucoïd and Non-mucoïd P. aeruginosa
1	Northwest	53	Delarian	Dyson	Southern University	Comparative Study on Physiological Response of Three Oak Species to Elevated CO <sub>2</sub> and Flooding
4	Gunston West	89	Oluwakayode	Ekwunife-Orakwue	Stony Brook University	The Impact of Transactional Distance Dialogic Interactions on Student Learning Outcomes in Online and Blended Courses
2	Gunston West	102	John	Eshun	North Carolina A&T State University	Experimental Determination of the Structural Evolution of Biomass Particles During Pyrolysis and Gasification
2	Gunston West	105	Aiesha	Ethridge	Tuskegee University	Surface Redistribution Kinetics of H/Li on Graphene for Advanced Energy Storage
2	Gunston West	106	Vanessa	Evoen	California Institue of Technology	Platinum-free Cathode Catalysts for Solid Acid Fuel Cell Applications
3	Gunston East	73	April	Falconer	Norfolk State University	Development of Biosensors for the Early Detection of Prostate Cancer
3	Gunston East	74	Sha'La	Fletcher	Norfolk State University	Electrical and Magnetic Property Dependence on the Structural Mechanics of Multilayer Perovskite Multiferroics Films of BTO/LSMO on LAO and STO Substrates
3	Kalorama	17	Ivan	Flores	University of California, Los Angeles	Interleukin-10 Administration to Dystrophic Mice Modulates Muscle Inflammation and Increases Muscle Differentiation

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4	Morgan	22	Katarena	Ford	Auburn University	Development of a Proximity Assay for Adiponectin in Microfluidic Systems
2	Northwest	64	Jessica	Fuller	Claflin University	Identification of Chromium (VI) Resistance Genes in Pseudomonas Fluorescens
4	Kalorama	10	Mamatha	Garige	Howard University	Glutathione S-transferases as Mediators of Cell Growth, Development, and Differentiation in Dictyostelium Discoideum
3	Embassy	68	Christina	Glenn	University of Alabama at Birmingham	Symmetric Outer Product Decomposition for Fully and Partially Symmetric Tensors
1	Gunston West	98	Kimberly	Gold	Tennessee State University	A Testbed for Modeling and Detecting Attacks on NFC Enabled Phones
1	Gunston West	95	Mikhail	Gordon	Auburn University	Modeling the Effects of Median Selection on Roadway Efficiency
3	Morgan	33	Jennifer	Guerrero-Medina	University of Puerto Rico at Mayaguez	Spontaneous Thermal Dispersion of LiCl in M(bdc)(ted)0.5 (M= Zn, Ni or Cu) Metal Organic Frameworks
3	Kalorama	11	Thomas	Hahn	University of Arkansas at Little Rock	Regulation of Sterol Transport in Response to Aging
2	Northwest	65	Eunice	Handy	Delaware State University	Soil and Water Quality Monitoring in Dover, DE Poultry Farm: Environmental Assessment of HUAP Pads
3	Kalorama	3	Rachel	Helms	University of North Carolina Charlotte	Modeling the Heterogeneous Breast Tissue Microenvironment in a 3D MCF10A Breast Cell Culture System
2	Northwest	59	Jasper	Hobbs	Kansas State University	Cambrian Magmatism Along the Southern Laurentian Margin: New Petrologic Constraints from Well Cuttings in the Southern Oklahoma Aulacogen (USA)
3	Morgan	34	Dereca	Hubbard	Tuskegee University	Synthesis and Characterization of Novel Phenolic Resin System Based on Lignin Extracted from Different Biomass Resources
4	Kalorama	15	Audra	Huffmeyer	University of Michigan	Molecular Evolution of Exon 26 of Apolipoprotein B Across Mammal Orders
3	Gunston East	71	Syed	Islam	City University of New York	Surface-Enhanced Raman Scattering on a Chemically Etched ZnSe Surface
2	Kalorama	26	JaNise	Jackson	Clark Atlanta University	Synthesis of Novel Chelating Complexes with N'N-Bidentate Ligands for Carbon Nanotube Modification
1	Morgan	45	Shanmukha	Jerripothula	Bowie State University	Immersive Virtual Reality Environment for Airplane Emergency Evacuation
3	Kalorama	4	Correy	Jones	Long Island University - Brooklyn	Plant Polyphenols Reduce Invasive Potential of Human Melanoma Cells

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1	Northwest	55	Bryan	Juarez	University of Michigan, Ann Arbor	The Ecomorphological Evolution of Lobe-finned Fishes Through the Paleozoic
1	Gunston West	96	Simbarashe	Kanjanda	Tennessee State University	Simulation of Hurricane Induced Storm Surge Using an Implicit Solver Model
1	Gunston West	111	Ehson	Khademi	Texas Southern University	Characterizing VSP Distribution of Heavy-Duty Diesel Trucks in Port of Houston Area
2	Gunston West	103	Kevin	Kopp	California Polytechnic State University	Numerical Modelling for Assessing Alternative Energy Potential in Landfills
1	Morgan	46	Dion	Kucera	Indiana University	Developing and Conducting Usability Tests to Improve Web Content Delivery of USGS Coastal Hazards Science
3	Gunston East	70	Corey	Landry	Louisiana State University	Nonlinear Spectroscopy and Computational Design of Nanoparticles for Light-activated Gene Delivery
2	Northwest	66	Qing	Li	Texas Southern University	Nutrient Inputs to Houston Ship Channel and Galveston Bay and its Correlation with Chlorophyll a
3	Embassy	69	Blake	Lohn-Wiley	Tarleton State University	Probabilistic Particle Shape Measurement
4	Embassy	81	Soheila	Mashhadi	Norfolk State University	Plasmonic Biosensors Based on Gratings
3	Morgan	35	Stephan	Mathis	Clark Atlanta University	Exploring Luminescent Phenomena in Novel Scintillating Heterometallic Metal-organic Frameworks Towards Applications in Nuclear Radiation Detection
4	Embassy	83	David	Mayett	Syracuse University	Growth Morphologies in Active Elastic Bilayers
2	Northwest	67	Walter	McDonald	Virginia Tech	Modifying the Index Velocity Method Applied to a Small Urban Stream: A 10 Week REU Study
1	Gunston West	99	Paul	McNeil	Tennessee State University	A Hybrid Approach to Detecting Android Mobile Cloud Malware
2	Gunston West	107	Shatori	Meadows	Tuskegee University	Influence of Different Peroxide Initiators on the Cure Behavior of Bio-Based and Recycled Unsaturated Polyester Resins
1	Northwest	54	Maria	Meza-Lopez	Rice University	Nutrient Enrichment Increases Invasions, but Warming has Weak Effects
4	Kalorama	18	Katharine	Minker	University of Delaware	A Microscopic Investigation of C. heterostrophus Infection in Maize
4	Kalorama	16	Neha	Mittal	University of North Carolina at Charlotte	Crop Wild Relatives - Major Genetic Sources for Crop Improvement
4	Kalorama	12	Charles	Ogindo	Howard University	The Use of Molecular Modeling to Design a Safe and Effective Drug for American Trypanosomiasis

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4	Embassy	80	Jasmine	Oliver	University of South Florida	Texture Analysis of Conventional and Respiratory-Gated PET/CT Images in Lung Cancer
1	Morgan	47	Taiwo	Orogbangba	Hampton University	Email Classification Using Supervised and Semi-supervised Learning Techniques
3	Morgan	36	Krisiam	Ortiz-Martinez	University of Puerto Rico-Mayaguez Campus	Superior Transition Metal Modified SBA-15 for the Adsorption of Emerging Contaminants from Water
2	Kalorama	27	Agozie	Oyeamalu	Western Michigan University	Crystal and Molecular Structures of New Metallocarboranes, Au <sub>25</sub> Gold Cluster and Metal Sensor Molecules
2	Kalorama	28	Oscar	Oyola	University of Puerto Rico at Mayaguez	CO <sub>2</sub> Hydrogenation to Methanol and DME by Pd-Pd <sub>2</sub> Ga Catalysts Supported Over Ga <sub>2</sub> O <sub>3</sub> Polymorphs
2	Kalorama	29	Vernecia	Person	Clark Atlanta University	Self-Assembly of Hairy Nanoparticles: Organic Cores vs. Inorganic Cores
2	Gunston West	109	Vertonica	Powell-Rose	Tuskegee University	Influence of Halloysite Nanoclay on Curing, Mechanical and Thermal Properties of Bio-Based Epoxy Resin System
2	Northwest	62	Jessica	Ramadhin	University of Georgia	Who Wins When Worms Compete?
1	Gunston West	97	Vivek	Rao	University of California, Berkeley	Solar Photocatalytic Water Treatment on an Inclined Plate
1	Northwest	56	Wilmer	Rivera-De Jesus	University of Puerto Rico	Rehabilitation of Urban Wetlands: Approach of the Tolerance Capacity of Coastal Plants to Salinity and Hydric Stress
4	Kalorama	19	Barukh	Rohde	University of Florida	The Use of Computer-Analyzed Acoustics in the Detection of Red Palm Weevils
3	Kalorama	5	Juan	Rosas	University of Puerto Rico at Mayaguez	Biological Signaling Pathways and Potential Mathematical Network Representations: Biological Discovery Through Optimization
4	Gunston West	86	Chelsea	Russell	Virginia Commonwealth University	An Investigation of GI Bill Recipients with Disabilities of STEM as a Viable Career Option
3	Kalorama	6	Maria	Saddler	Tuskegee University	Targeted Approach to Overcome ABCG2-mediated Drug Resistance in Cancer
1	Northwest	57	Justin	Saiz	New Mexico Highlands University	Research on the Impacts on an Invasive Species on the Vertebrate Community of the Rio Mora Wildlife Refuge has Never Been Done
1	Northwest	51	Natalia	Sanabria	University of New Mexico	Risk Based Decision Making Model for Flooding Mitigation Alternatives: A Case Study of the Rio Grande of Loiza Watershed

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4	Gunston West	90	Claudia	Santiago	University of Texas at El Paso, TX	Integrating Native American Beliefs and Western Environmental Scientific Context of Sustainability in the Preliminary Storyline of the Sol Y Agua Project
3	Kalorama	7	Cornelia	Santos	University of Colorado Denver	Further Conversations for Native Cancer Patient Navigators in Indian Country: Conversations of Native Navigators and the Hybridity of Western Medicine and Native Traditional Medicine
3	Morgan	37	Genefine	Sapateh	Clark Atlanta University	Electroactive Polymeric Nanofibers for as Active Components in Biosensors
2	Kalorama	30	Tiana	Shaw	Clark Atlanta University	Process for Functionalization of Polyaniline for Biosensing Application
3	Morgan	38	Shenna	Shearin	North Carolina Agricultural and Technical State University	Investigation of the Methanol Steam Reform Reaction Pathways on Silica Supported Copper Clusters: A Computational Study
4	Kalorama	14	Brandi	Smith	Mississippi State University	Analysis of Aflatoxin Accumulation in Maize for Gene Expression Prediction
4	Gunston West	87	Sujeily	Soto	University of Puerto Rico, Mayaguez	Materials Science and Engineering Clubs: A Successful Intervention Strategy for Nanoscience Education Targeting Middle and High School Students
1	Gunston West	100	James	Stigall	Bowie State University	Game Theme-Based Educational Modules for Introductory Programming Courses
3	Gunston East	75	Ian	Stubbs	Clark Atlanta University	Manipulating the Self-assembly of the Triblock Copolymer Poly (styrene-b-dimethylsiloxane-b-styrene)
1	Morgan	48	Wai Yan Elsa	Tai	University of Texas at El Paso	A Software Engineering Approach to Analyze Student Success Data Collected from Disparate Sources
4	Gunston West	88	Annette	Tavernese	Rochester Institute of Technology	Deaf STEM Community Alliance: Frequency of Posts
4	Morgan	39	Yugaananthy	Thanaiah	Clafin University	NMR Based Metabolomics Study of Chromium (VI) Treated Pseudomonas Fluorescens
4	Embassy	82	Mychal	Thomas	Alabama Agricultural and Mechanical University	Development of Pyroelectric Paint Films for Energy Harvesting Application
2	Gunston West	110	Julaunica	Tigner	Tuskegee University	A Study of Glassy Carbon and Carbon Nanofiber Electrodes for Glucose Detection in Homogeneous Solution
2	Gunston West	108	Boniface	Tiimob	Tuskegee University	Development of Functional Nanomaterials from Waste Avian Eggshells

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4	Morgan	40	Marquita	Watkins	Jackson State University	Estimation of Melting Points of Brominated and Chlorinated Congeners of Persistence Organic Pollutants using QSPR Techniques
4	Morgan	23	Idris	Wazeerud-Din	Clark Atlanta University	Preparation of Novel-Imidazole Compounds for its Biological Applications
3	Gunston East	78	Nathan	Weiss	University of California, Los Angeles	Herringbone Rippling of Graphene on Biaxially Prestrained Elastomers
2	Kalorama	31	Maya	West	Auburn University	Metal Extractions Using a Solid Supported Quinoxolinol Base Salen Ligand
4	Gunston West	92	Julia	Wester	University of Miami	Anticipated Disgust, Willingness to use Recycled Water and the Impact of Information
4	Embassy	84	Michael	Williams	Delaware State University	Absorption Studies of Diamond Nanoparticles using Photothermal Lens Spectroscopy
4	Kalorama	13	Jinelle	Wint	Stony Brook University	Runt-dependent Regulation of the Cis-regulatory Modules of Wingless at the Blastoderm Stage in Drosophila Melanogaster
3	Gunston East	79	Zhou	Yang	Lehigh University	Biosynthesis of CdS Quantum Dots with Extrinsic Control over Particle Size
2	Northwest	60	Harold	Yapuwa	University of the District of Columbia	Comparative Analysis of Home and Community Gardens for Trace Metals
2	Northwest	61	Azucena	Zamora	University of Texas at El Paso	On the Optimization of Inverse Problems for 2-Dimensional Imaging of the Earth Using Bouguer Gravity Anomalies
1	Gunston West	112	Katie	Zemlick	University of New Mexico	Impacts of Conventional Uranium Mining on Groundwater in the San Juan Basin