

Session #	Abstract ID:	Full Name	Primary Author's Institution:	Abstract Title
4	3	Abdulrahman, Noura	Texas Southern University	The Study of Indoor Dust Trace Metal and Organic Contaminants Toxicity Impact on Normal Human Epithelial Colon Cell CCD841
2	57	Abueg, Abelson	East Carolina University	IBM Auto AI for Speaker Recognition with MFCC and GFCC Features
1	27	Aidoo, Emmanuel	Southern University and A&M College	Investigation of the thermal Properties of Agricultural Waste Products Reinforced Polymeric Composites.
4	5	Ali, Rasidah	Louisiana State University	Second Harmonic Generation Spectroscopy Studies of Molecular Adsorption and Transport in One-Membrane and Two-Membrane Biological Systems
2	53	Amofo-Yeboah, Samuel	Southern University and A&M College	High Efficiency Refrigerator with Cold Thermal Energy Storage
4	6	Aziz, Alaa	University of Texas at Arlington	Evidence of a Catalytic Dyad in F420-Dependent Glucose-6-Phosphate Dehydrogenase Using Steady-State and Pre Steady-State Kinetic Methods
1	31	Beckford, Jasmine	Norfolk State University	Oxygen Dependent Study of Gallium Doped Zinc Oxide (GZO) Films for Ideal Transparent Heater Applications
2	58	Bernier-Vega, Agustin	Texas A&M University-Kingsville	Wireless Data Collection and Comparison of Mobile and Static Remote Monitoring Systems
1	49	Bradley, DeAndre	Norfolk State University	The Dynamic Cyber Workplace and Cybersecurity Protocol
1	15	Breining, Daniel	Florida Institute of Technology	Modeling the Number of Ciguatera Fish Poisoning Cases in Florida using Environmental and Climate Factors
1	16	Breining, Robert	Florida Institute of Technology	Modeling Sea Level Rise in Coastal Florida
2	56	Burgos-León, Norman	University of Puerto Rico at Mayagüez	Fabrication of Aluminum Welding Fillers Reinforced with Nanoparticles for Aerospace Applications
1	32	Cortez, Yetzell	University of Puerto Rico at Mayagüez	Preparation and characterization of chitosan-coffee silverskin composites
1	33	Denize, Clifford	Norfolk State University	Effect of Sulfurization on the Electrochemical Performance of FeS ₂ Thin Film Cathode for Li-ion Batteries
1	17	Despeignes, Alain	Florida Institute of Technology	Impact of Benthic Organisms to Mitigate Water Pollution in the Indian River Lagoon
4	13	Duarte, Mariana	University of Illinois at Urbana-Champaign	Using Machine Learning on Mobility Data to Inform Consumer Trends from 2018-2021
1	9	Dutta, Juli	Norfolk State University	Enhanced Visualization of Offshore Wind Farm Components for Cybersecurity Risk Assessment
2	34	Elelu, Shehu-Alimi	Delaware State University	Fabrication and Characterization of Chitosan/Cellulose/Polylysulfone/TiO ₂ improved Mixed Matrix Membranes formed by Nonsolvent-induced phase inversion.
4	7	Ewell, Steven	Florida Agricultural and Mechanical University	In Silico Identification of 1,3,4-Oxadiazole Hybrids as novel Discoidin Domain Receptor-1 (DDR-1) Inhibitors with Potential Anticancer Agent
2	35	Forrester, Candice	The Graduate Center	High Curie temperature (MnSb ₂ Te ₄)x(Sb ₂ Te ₃) _{1-x} magnetic topological insulator structures grown by molecular beam epitaxy
1	18	Garcia, Diana	Texas Southern University	Health risk assessment of contaminants in groundwater in Texas
1	19	Garcia, Jose	Texas A&M University-Kingsville	Investigating the Water Levels of the Southern Carrizo-Wilcox Aquifer within the Winter Garden Area

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

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3	59	Gonzalez, Alexandra	University of Puerto Rico	Tiny Houses for Big Issues: A Case Study of Emergency Housing for Displaced Communities in Puerto Rico
4	4	Gregory, Tyler	FAMU-FSU College of Engineering	Rheological Characterization of Cell-Laden Alginate-Gelatin Hydrogels for Rapid 3D Tissue Printing
1	28	GUNASEKARAN, NITHIN KRISHNA	Norfolk State University, VIRGINIA	Characterization and Biocompatibility studies of Cerium Oxide Nanoparticles synthesized using Turmeric extract
4	1	Hao, Xingyue	Northwestern University	Quantitative Mitochondrial Analysis of Different Stages of Breast Cancer
2	36	Harry, Richard	Tuskegee University	A Novel Method for the Fabrication of High Frequency Magneto-Electric Nanocomposites Synthesized from Hexagonal Boron Nitride Nanosheets Infused in P(VDF-TrFE) for Portable Electronic Devices
4	24	Hayes, Zoe	Alabama State University	Thanatomicrobiota Signatures in Substance Abuse Disorders
1	46	Kaur, Simran	The University of Virginia	Early Stages of Star Formation: An episodic protostellar outflow in Serpens South
1	50	King, Tamia	Norfolk State University	Assessing College Students' Knowledge of Cybersecurity
1	20	Konateh, Sulayman	Bronx Community College	Potential Satellite Imagery for Detecting Harmful Algal Blooms Over New York Lakes.
1	51	Lambert, Jasmine	Norfolk State University	The Relationship Between Gender and Cybersecurity Awareness in Colleges
2	37	Lugo, Shyla	University of Puerto Rico - Mayaguez	Alumina particles added to Al-Mg alloys to counteract dynamic precipitation
3	60	Luna Magdaleno, Andre	Arizona State University	Understanding the paradigm shift on water chemistry and gas/liquid interfacial reactivity of carbon dioxide nanobubbles for implementation in bioreactors for sustained life support systems in space exploration
1	52	Lurie, Kristin	University of Cincinnati (work completed at Mary Baldwin University)	How a Study on the Effects of COVID-19 on College Students' Mental Health Symptoms Prompted University-Wide Change
3	61	Marquez Rios, Nestor	University of South Florida	Studying the effect of thread materials on the response of fiber-shaped organic electrochemical transistors.
3	62	Maynard, Danielle	Texas A&M University - Kingsville	Urban Flood Modeling and Mitigation utilizing Low Impact Development Strategies in the Tranquitas Creek Watershed, South Texas
4	12	Mbaye, Mamadou	Norfolk State University	Machine Learning-aided Thermoelectric Materials Design and Discovery
4	44	McGriff, Sharee	Delaware State University	Astrocyte-specific expression of mutant TDP-43 increases anxiety-like behavior in aged mice
3	63	Najera Acosta, Alejandro	New Mexico State University	Spare Parts Stock Management using Reliability
3	64	Nguyen, Janice	California State University, Los Angeles	Implementing Facial Landmark Tracking for American Sign Language Classification using Random Forest Regression Tree Model
2	38	Oquendo-Cruz, Abdiel	University of Puerto Rico - Mayagüez Campus	Characterization of Microbial Biosynthesized Selenium Nanoparticles
1	21	Paduani, Melinda	Florida International University	The 'science' in 'citizen science': Designing and launching Miami Plastic Patrol, a microplastic citizen science initiative
1	47	Palmer-Tesema, Yannik	Alabama A&M	A comparative study of europium doped materials for white light generation
2	54	PATURI, KAILASH CHANDRA SHIVAJI	University of North Texas	Sound Energy Harvester Using polyvinylidene fluoride

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2	39	Rede, Milan	FAMU-FSU College of Engineering	Lightweight Composites: Effect of Shear on Alignment, Thermal Conductivity, and Macroscopic Properties of Functional Ink
4	26	Robbins, Edmund	Florida Institute of Technology	Impacts of Climate Change on Mountain Glaciers
3	66	Rodriguez, Bryant	Florida Agricultural & Mechanical University	Machine Learning towards Smart Material Placing in Multifunctional Composites
3	67	Rodriguez, Juan	Texas A&M University - Kingsville	Soil Monitoring using UAVs
3	68	Ruiz, Alexis	California State University, Los Angeles	Optimal Control of a Vertical Axis Wind Turbine with a Varying Structure Four-Bar Linkage Mechanism
3	69	Saguilan, Anayely	California State University, Los Angeles	Fuzzy Control Strategies of an Inverted-Pendulum on a Cart
2	10	Savadkoohi, Marzieh	University of the District of Columbia	Single Molecular Magnet Based Photovoltaic Effect in A Molecular Spintronic Magnetic Tunnel Junction
1	45	Schultz, Kyle	Fayetteville State University	AI-Design Heat Exchanger
1	22	Shymkiv, Dmytro	University of North Texas	Mathematical singularity in the band structure calculations for phononic crystal with rigid scatterers
1	40	Smith, Carol	Morgan State University	The Occurrence of Microplastics in the Atlantic Bay Nettle (<i>Chrysaora chesapeakei</i>) in the Patuxent River, Maryland
1	29	Strimaitis, Jacob	Norfolk State University	Investigation of Calcination Temperature on Porous CaFe ₂ O ₄ Anodes
1	8	Suh, Pius	University of the District of Columbia	Monte Carlo Simulations Investigating the Effect of Intra-Molecular Coupling within Double Segmented Molecules on Magnetic Properties of Molecular Spintronics Devices
1	23	Taylor, Tameka	Morgan State University	Evaluation of a low salinity tolerance eastern oyster line for oyster reef living shoreline application
4	14	Tchounwou, Solange	Tulane University	Improving Invasive Breast Cancer Care Using Machine Learning Techniques
1	30	Tetteh, Obed	Southern University and A&M College	A study on the mechanical and thermomechanical properties of a thermosetting shape memory vitrimer
4	25	Thornton, Arris	Alabama State University	Evaluation of Postmortem Gene Expression During Human Decomposition in Adrenal Glands
2	41	Turner, Azizi	Tuskegee University	The Mechanical and Thermal Characterization of Jute-MWCNT -PHBV reinforced composite
1	11	Vincent, Grace	North Carolina State University	Multi-Agent System Perception with Stereovision
1	48	Watson, Kathryn	University of Colorado Colorado Springs	Choices: Postdoctoral Scholars Considerations of Career and/or Family Formation
2	42	Wilson, Ashleigh K	Norfolk State University	Control of Electrochromic Film Growth with a Plasmonic Environment and Light
2	43	Yarbrough, Kelsea	Norfolk State University	Effect of Post Annealing on the electrical behavior of MOS Capacitors
2	2	Yeboah, Daniel	Southern University and A&M College	Metallized Three-Dimensional (3D) Printed Templates for Advanced Antenna Applications
4	55	YEBOAH, PHILIP	North Carolina A&T State University	Impact of Nitrogen Source on the Growth and Viability of <i>Lactobacillus delbrueckii</i> subsp. <i>bulgaricus</i>