

| Oral Session | OA# | Discipline: | First Name | Last Name | Institution | Abstract Title: |
|--------------|-------------|--|------------|----------------|---------------------------------------|--|
| 3A | Grad OA#1 | Biological Sciences | Richard | Able | Graduate Center- CUNY | In vitro migration of glial progenitor cells toward TGF-alpha, PDGF BB, and bFGF |
| 3 | Grad OA #33 | Technology & Engineering | Candice | Adams | Auburn University | Broaden Computing by Introducing Interactive Learning Environments to Chemistry Classrooms |
| 1 | Grad OA #17 | Computer Sciences & Information Management | Ruth | Agada | Bowie State University | Research on Creating Life-like Animated Virtual Tutor |
| 1 | Grad OA #26 | Nanoscience | Sonia | Aviles Barreto | University of Puerto Rico at Mayaguez | Effect of Sulfonation Level and Counter Ion Substitution on the Proton Conductivity of Poly(styrene-isobutylene-styrene) Membranes |
| 1B | Grad OA #12 | Chemistry & Chemical Sciences | Kouassi | Ayikoe | Howard University | Schiff Base and Other Ligand Complexes of Nickel(II) as Models for Potential Active Sites of Relevant Metalloenzymes. |
| 3A | Grad OA #2 | Biological Sciences | Jonathan | Blaize | City University of New York (CSI) | The influence of hepatocyte growth factor during outer segment phagocytosis by retinal pigment epithelium |
| 1B | Grad OA #13 | Chemistry & Chemical Sciences | Michael | Cato | Jackson State University | Simulations of nanocylinders self-assembled from cyclic γ -tripeptides |
| 1B | Grad OA #14 | Chemistry & Chemical Sciences | Dan | Clary | Auburn University | Photochemical Formation of Crystalline Copper Nanoparticles in Low Dielectric Media |
| 3 | Grad OA #21 | Mathematics & Statistics | Ricardo | Cordero | Arizona State University | Propagator of a Damped Time-Dependent Schrödinger Equation |
| 3A | Grad OA #3 | Biological Sciences | Jessica | Davis | Jackson State University | A Genomic Approach: The Effects of Bisphenol A on Zebrafish |
| 1 | Grad OA #28 | Physics | Franz | Delima | Delaware State University | Study of linear and nonlinear absorption of metallic colloids using photothermal lens spectrometry |
| 1 | Grad OA #27 | Nanoscience | Aryzbe | Diaz | University of Texas at El Paso | 'Investigation of Selective CdTe Nanoheteroepitaxy Growth on Si(100) substrates for HgCdTe Infrared Detector Applications' |

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| 3A | Grad OA #4 | Biological Sciences | Sandra | Dillahunt | Howard University | Functional characterization of sphingosine kinase 1 and 2 using short hairpin RNA |
| 1 | Grad OA #32 | Social & Behavioral Sciences | Amber | Ellison | University of North Texas | Computerized Classroom Simulation Use in Pre-Service Teacher Education |
| 1 | Grad OA #29 | Physics | Raul | Garcia | Howard University | SAM Organic Contaminant Library Development and Interfacing |
| 3 | Grad OA #22 | Mathematics & Statistics | Tanya | Garcia | Texas A&M University | Semiparametric estimators for restricted moment models with measurement error |
| 1 | Grad OA #18 | Computer Sciences & Information Management | Zamon | Granger | University of Maryland Baltimore Coutry | Stabilizing Air Pressure in a Hermetic Environment with Embedded Technology |
| 3A | Grad OA #5 | Biological Sciences | ArQuette | Grant | Delaware State University | Study of the Effects of Listeria monocytogenes on the Native Microflora in Teewurst Sausage using PCR-DGGE |
| 3 | Grad OA #34 | Technology & Engineering | Nathan | Hosannah | City College | Effects of Aerosols on Microphysics and Warm Season Precipitation in a Complex Urban Environment |
| 3 | Grad OA #35 | Technology & Engineering | Carlos | Jaramillo | CUNY City College of New York | Estimating 3D Egomotion from Optical Flow Using a Spherical Omnidirectional Catadioptric Rig |
| 3 | Grad OA #36 | Technology & Engineering | Sam | Keske | Auburn University | Assessmen of Test Methods that Quantify the Stability of Self-Consolidating Concrete |
| 1 | Grad OA #19 | Computer Sciences & Information Management | Kavita | Krishnaswamy | University of Maryland, Baltimore County | Path Planning of a Robotic Arm in Real-Time |
| 1 | Grad OA #30 | Physics | Jose | McKinnon | The University of Texas Brownsville | Mapping the Galaxy with LISA |
| 3 | Grad OA #37 | Technology & Engineering | McKenzie | McNeal III | Tennessee State University | Robust Networking Architecture and Secure Communication Scheme for Heterogeneous Wireless Sensor Networks |

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| 3A | Grad OA #6 | Biological Sciences | Mahlet | Mersha | Delaware State University | Molecular interactions of a dopamine auto-receptor with G β subunit in <i>C. elegans</i> behavioral plasticity |
| 3 | Grad OA #38 | Technology & Engineering | Kasongo | Moma | Tennessee State University | Development of an Autonomous and Intelligent Mobile Ground Sensor |
| 3 | Grad OA #39 | Technology & Engineering | Omar | Movil | University of Puerto Rico | Polymer Electrolyte Thin Films for Applications in μ -Sensors and μ -Fuel Cells |
| 3 | Grad OA #23 | Mathematics & Statistics | David | Murillo | Arizona State University | Mothers and Their Eggs: Vertical Transmission in a Model of Dengue |
| 3A | Grad OA #7 | Biological Sciences | Tori | Owens | Delaware State University | Differential Glycan Patterning of CXCR4 in Neuroblastoma Cell Lines |
| 3A | Grad OA #8 | Biological Sciences | Carlos | Penaloza | CUNY Graduate Center | Cellular sensitivity in regards to sex |
| 1B | Grad OA #15 | Chemistry & Chemical Sciences | Jose N | Primera-Pedrozo | University of Puerto Rico | Sr-UPRM-5 Titanium Silicate Sorbent Material: Effect of the Dehydration Temperature on the Framework Contraction |
| 3 | Grad OA #40 | Technology & Engineering | Liliana | Rincon Gonzalez | Arizona State University | An Idiosyncratic and Learned Process to Generate a Visual Representation of Hand Location from Somatosensory Signals |
| 3 | Grad OA #41 | Technology & Engineering | Ozell | Sanders | University of Maryland, Baltimore County | Assessment of Hyoid Bone Density using Micro CT for Prediction of Fracture |
| 3 | Grad OA #24 | Mathematics & Statistics | Faraz | Shaikh | University of Maryland, Baltimore County | Propensity score models for the evaluation of average causal effects on binary outcomes |
| 1 | Grad OA #31 | Physics | Maurice | Smith | Delaware State University | Reconfigurable Optics for Augmented Reality Goggle Systems |
| 1 | Grad OA #20 | Computer Sciences & Information Management | Madhuri | Somarapu | Bowie State University | Virtual Tutor Application |

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| 3 | Grad OA #25 | Mathematics & Statistics | Josiah | Sugarman | CUNY graduate center | Classifying Subgroups of Direct Products |
| 1B | Grad OA #16 | Chemistry & Chemical Sciences | Monica | Sylvain | Louisiana State University | Positive Cooperative Mechanistic Binding of Proteins at Low Concentrations |
| 3A | Grad OA #9 | Biological Sciences | Fiorella | Tapia-Ortiz | Queens College | Influenza A virus induces death but virus production relies on chaperone-mediated autophagy and cathepsins |
| 3A | Grad OA #10 | Biological Sciences | Johanny | Tonos De Leon | University of Texas at El Paso | Targeted Disruption of Androgen Receptor Regulation by the immunophilin FKBP52 |
| 3A | Grad OA #11 | Biological Sciences | Alicia | Williams | Fort Valley State University | Plant Regeneration and Agrobacterium-mediated Genetic Transformation in Valeria (<i>Valeriana officinalis</i> L) |