

2013 ERN Conference in STEM  
 February 28-March 2, 2013  
 Washington, DC  
 Graduate Oral Presentation Schedule

Oral Presentation Session 1: Friday, March 1st – 10:00am - 12:15pm  
 Oral Presentation Session 2: Friday, March 1st – 4:00pm - 6:30pm  
 Oral Presentation Session 3: Saturday, March 2nd – 8:00am - 10:30am  
 Oral Presentation Session 4: Saturday, March 2nd – 11:00am - 12:30pm

Session #	Oral Abstract #	Room #	First Name	Last Name	Institution	Abstract Title
3	8	Meeting Room 16	Candice	Adams	Auburn University	A Modularized Framework for Designing and Implementing Web-Based Learning Environments
3	9	Meeting Room 16	Husam	Adas	Tennessee State University	Cloud computing based detection system to detect Black Hat Search Engine Optimization and social network attacks on Android smartphone
3	23	Meeting Room 13	Merlis	Alvarez	University of Puerto Rico	Synergistic potentiation of cisplatin with magnetic fluid hyperthermia (MFH) in Caco-2 cells is correlated with an increase in cell membrane fluidity.
3	24	Meeting Room 13	Vitus	Apalangya	Tuskegee University	Fabrication of poly(methyl methacrylate)/eggshell hydroxyapatite composite fibers for bone scaffold applications
3	25	Meeting Room 13	Sonia	Aviles-Barreto	University of Puerto Rico at Mayaguez	Effect of Single-Walled Carbon Nanotubes on the Transport Properties of Poly(styrene-isobutylene-styrene) Membranes
3	34	Meeting Room 12	Amy	Berman	Tennessee State University	Career Commitment and Retention in STEM in African American College Students
3	26	Meeting Room 13	Ronda	Bibbs	Alabama State University	Polyvinyl Pyrrolidone (PVP) coated Silver Nanoparticles Demonstrates a Capsule Dependent Antimicrobial Effect against Streptococcus pneumoniae
3	10	Meeting Room 16	Biswajit	Biswal	Tennessee State University	Secure IP Geolocation for Cloud Auditing
3	27	Meeting Room 13	LaDena	Bolton	Clark Atlanta University	Competitive Intercalation of Polystyrene Ionomers in Layered Double Hydroxides
3	11	Meeting Room 16	Brittany	Brown	Virginia State University	Assessment of Performance Impact of Linux Audit Framework
3	12	Meeting Room 16	Sovandara	Chea	Texas Southern University	Traffic-Aware Time Division Multiple Access (TA-TDMA)
1	20	Meeting Room 15	Kenyon	Coleman	Texas Southern University	Probability of Connectivity of Random Graphs

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4	35	Meeting Room 15	Mikhail	Coloma	Binghamton University	Fluid flow in the perivascular space
3	30	Meeting Room 13	Ryan	Coote	Delaware State University	Photothermal Lens Imaging and Detection System for Micro and Nano Dimension samples
4	36	Meeting Room 15	Karem	Court	University of Puerto Rico Mayaguez	In Vivo Biodistribution of Carboxyl Methyl Dextran Iron Oxide Nanoparticles for Localized Magnetic Fluid Hyperthermia in Ovarian Cancer Models.
3	1	Meeting Room 5	Stacie	Fairley	Alabama State University	PLGA-encapsulated Chlamydia trachomatis MOMP induces Th1 immune responses in mice
3	28	Meeting Room 13	Michael	Funk	Arizona State University	Investigations into Metal Oxide Decorated Graphene for Supercapacitor Materials Selection.
2	5	Meeting Room 12	Darlene	Galloza	University of Puerto Rico at Mayaguez	The effect of reaction conditions on the hydrolytic hydrogenation of cellulose using Ru/NbOPO <sub>4</sub> , binary and ternary metal oxides catalysts.
4	37	Meeting Room 15	Vyran	George	Georgia Institute of Technology	Transport Properties for Ionic Liquids and Implications for Li-ion Battery Design
3	2	Meeting Room 5	Shelton	Griffith	Jackson State University	Comparison of Ligand Binding Residues for Length-Identical Chromosomal and Plasmid-Encoded Universal Stress Proteins in Staphylococcus Genomes
4	38	Meeting Room 15	Min Hyuck	Kim	Norfolk State University	Development of Neural Sensing Data Acquisition Algorithm and System
2	6	Meeting Room 12	Wei-Chih	Kuo	Cornell University	Thermal Decomposition of Ethyl Acetate by a Film Boiling Reactor
3	13	Meeting Room 16	Jose	Lugo-Martinez	Indiana University	Flexible Graphlet Kernels for Functional Residue Prediction in Protein Structures
4	39	Meeting Room 15	Christopher	Mahoney	North Carolina A&T State University	Airway epithelial cell interaction with Chitosan based nanofibers

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3	31	Meeting Room 13	Yury	Markushin	Delaware State University	Development of a Scanning Laser Detection and Ranging System for 3D Topographic Imaging
1	21	Meeting Room 15	Komi	Messan	North Carolina Agricultural and Technical State University	Dynamics of Triatomine Infestation in a Population of Houses
2	17	Meeting Room 15	Maria	Meza-Lopez	Rice University	Apple snails ( <i>Pomacea maculata</i> ) facilitate alligator weed ( <i>Alternanthera philoxeroides</i> ) invasion but no evidence of invasional meltdown occurs in wetland communities
3	3	Meeting Room 5	Elin	Mina	Binghamton	Persister isolation in <i>Staphylococcus aureus</i>
4	40	Meeting Room 15	Sara	Mina	Binghamton University	Endothelial to Mesenchymal Transformation Mechanobiology: Microfluidic Experiments and Multiscale Modeling
4	41	Meeting Room 15	Asmah	Muallem	Tennessee State University	Visualizing Geolocation of Spam Email
3	14	Meeting Room 16	Stephen	Otunba	Bowie State University	Teaching Traffic Safety Through an Immersive Multiuser Environment
2	18	Meeting Room 15	Xochitl	Perez	University of Puerto Rico	Presence and distribution of organic pollutants in the San Juan Bay Estuary, Puerto Rico
4	42	Meeting Room 15	Ben	Rael	University of New Mexico	Dispersing single-walled carbon nanotubes below the critical micelle concentration.
2	7	Meeting Room 12	Peter	Rosado	Syracuse University	s-block metal organic frameworks (MOFs) for gas storage applications
2	19	Meeting Room 15	Kehinde	Salau	Arizona State University	The reliability of spectral metrics in multi-dimensional ecological network structures
3	29	Meeting Room 13	Darryl	Scott	Norfolk State University	Development of Neural Probes with Nanoelectrode Array on a Flexible Polymer Substrate

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3	15	Meeting Room 16	Nathaniel	Taylor	Bowie State University	Unsupervised Learning Classification Prospective Candidate Structural Modeling
4	43	Meeting Room 15	Michael	Thompson	Arizona State University	An Experimental and Computational Study of a Flapping Micro Air Vehicle
2	22	Meeting Room 16	Jose	Vega-Guzman	Arizona State University	A method to construct a solution to the initial value problem for a generalized diffusion-type on the entire real line in terms of solutions
3	32	Meeting Room 13	Zachary	Warren	Delaware State University	Comparative Studies of Coherent Population Trapping and Ramsey Interference in Rubidium Vapor for the Development of an Atomic Clock
3	33	Meeting Room 13	Michael	Williams	Delaware State University	Group Velocity Dispersion Measurements in Biofluids at Different Analyte Concentrations using Optical Coherence Tomography
3	4	Meeting Room 5	Abebayehu	Yilma	Alabama State University	Poly (lactic-co-glycolic acid) (PLGA)-chitosan encapsulated IL-10 prolongs the biological half-life and release of IL-10: Potential for biomedical applications
3	16	Meeting Room 16	Zhao	Zhang	Texas Southern University	Traffic Flow Analysis and Energy Efficiency Optimization of a Cluster-based WSN Subject to Cluster Head Rotation