

2014 ERN Conference in STEM
 Washington, DC - February 20-22, 2014
 Undergraduate Poster Presentation Schedule
 Renaissance Ballroom

Poster Session 1: February 21st, Friday, 10:00 - 12:15pm
 Poster Session 2: February 21st, Friday, 4:30pm - 6:30pm
 Poster Session 3: February 22nd, Saturday, 8:00am - 10:30am
 Poster Session 4: February 22nd, Saturday, 11:00am - 12:30pm

Session #	Poster #	First Name	Last Name	Institution	Abstract Title
1	7	Xiomara	Abreu	University of Puerto Rico at Mayaguez	Genetic Commonalities in Female-related Cancers
1	26	Nkoli	Agbazue	Delaware State University	Role of Glia in Synchronized Activity of Neurons in Culture
4	259	Beverly	Agtuca	State University of New York College of Environmental Science and Forestry	Toxicity of Gold Nanoparticles in Soils and Hydroponics with Tomatoes
4	348	Uchenna	Agu	Southern University and A&M College, Baton Rouge	Thermal Cycling Life of Gadolinium-Zirconate (GZ) and Yttria-stabilized-zirconia (YSZ) Double Layer Thermal Barrier Coatings (TBCs)
3	133	Abdimalik	Ahmed	University of Minnesota-Twin Cities	Magnetic Immunoisolation of Autophagosomes and Aptamer Development
4	196	Emily	Ajumobi	Elizabeth City State University	Using LD Data from 1000 Genomes to Identify Common Haplotype Blocks
1	266	Ivy	Alexander	Tougaloo College	Study of Mass Distribution of Matter in Simulated Gravitational Lenses
1	160	alyssa	Allen	Virginia State University	Isolation and Characterization of the Essential Oil of Catnip
1	227	Veronica	Alston	Tuskegee University	Salt Marsh Plant Biomass Dynamics and Effects of a Nitrogen Gradient
2	27	Jorge	Alvarez	University of Arizona/University of Texas Southwestern Medical Center	The Effect of Anti-VEGF Drug on Neural Stem Cells
2	347	Jhonatan	Alvizurez	New York City College of Technology	Lag-correlation Analysis Between Precipitation and Soil Wetness Variational
1	136	Lester	Anderson	Delaware State University	Renewable Solid Supported Catalyst for Biodiesel Synthesis
2	8	Brianna	Arrington	North Carolina Agricultural & Technical State University	Investigating MicroRNA Expression Profiles in Triple Negative Breast Cancer
3	28	Brian	Austin	Syracuse University	Identifying Oligopeptides for Binding to Pseudomonas Aeruginosa Cells
3	349	Alex	Avendano	Iowa State University	Measuring Fracture Properties of Soft Gel Materials
2	137	Saad	Azam	University of Arkansas at Little Rock	High-Throughput Electrochemical Characterization of Fuel Cell Catalysts
1	77	Kierha S.	Baker	Dillard University	A Leishmania Major Mutant Defective in Mitochondrial Function
4	29	Grober	Baltazar	University of California, San Diego	Roles of Ion Transporters in Mucociliary Development and Disease in Xenopus

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1	255	Brandi	Barlow	Alabama State University	PEG-functionalized CNT: Design & Application for Anti-Cancer Drug Docetaxel
3	332	Erick	Barros	New York City College of Technology	Raspberry Pi Architecture and Capabilities
2	112	Jamil	Baskett	Fort Valley State University/Washington State University	Epifluorescence Microscopy of Temporal Interactions of E. cloacae and Onion
4	290	Julisha	Batieste	Virginia State University	The Effects of Body Mass Index on Cholesterol Levels
2	163	John	Bell	Southern University at Shreveport	Developing the Interactive Chromatin Modeling Program
3	260	Erin	Berg	Virginia Polytechnic Institute and State University	Examining Effects of Flow on Sensors Made from Carbon Nanotubes
1	30	Eduardo	Bernal	California State University Northridge	Odor Adaptation Defect in a cGMP Protein Dependent Kinase pkg-2 Mutant
3	157	Sarah Joyce	Berryhill	Hampton University	Free Radical Oxidation of Methionine and Methionyl-Containing Peptides
2	78	Brandi	Bethune	Alabama State University	Cloning, Sequencing and Molecular Characterization of Plant GAPDH genes
3	350	Zain	Bhatti	North Carolina Agricultural & Technical State University	Electrodeposition of Magnesium on a Metal
3	316	Ricky	Bhola	City College of New York	Analysis of Soil Temperatures in the Long Island Solar Farm
3	356	Nicole	Blanco	University of Puerto Rico at Mayaguez	Tradeoff Optimization in Nanoproperties: Bactericide Applications
1	124	Sojett	Blue	North Carolina Agricultural & Technical State University	Synthesis of Novel Amino Acids in the Application of Antimicrobial Peptides
3	79	Chris	Bolden	University of Southern Mississippi	Staphylococcal Superantigens and Their Correlation with Atopic Dermatitis
2	215	Shereen	Bourne	Humboldt State University	Environmental Awareness on a Small Scale
2	201	Sergio	Bracho	City College of New York	Correlations between Aerosol PSDs & Precipitation in Puerto Rico
2	31	Shane	Bradner	Tuskegee University/University of Redlands	Effects of Greens With Omega-6/Omega-3 Ratios on Renin-Angiotensin System
1	138	Irene	Brako	Norfolk State University	Synthesis of Silicon-Based Calcium Ion Blockers

Session #	Poster #	First Name	Last Name	Institution	Abstract Title
1	164	Jarvis	Brewer	Savannah State University	Developing a Non-Intrusive Method to Increase the Privacy of Android Camera Enabled Applications
3	9	Darius	Brown	Tuskegee University	The Role of Kaiso and miR-31 in Metastasis Inhibition and the Proliferation
3	32	Nicole	Brown	Delaware State University	Screening Neurotoxicity of Pesticides in Parkinson's Disease in Vitro Model
2	359	Tyana	Brown	Virginia State University	Effects of Treatment of Vegetable Soybean Residue with Ammonium Hydroxide
3	304	Anastasia	Budinskaya	Syracuse University	Patterned Biofilm Formation of Escherichia Coli
3	99	Alexandria	Bufford	Tuskegee University	Effects of Exercise in Gilts During the Last 10 Days
1	303	Caleb	Bugg	Morehouse College	The Functionality of a Solar-Cell System in Near Space Conditions
3	165	Jasmine	Butler	Savannah State University	Utilizing Dijkstra's Algorithm to Determine the Shortest Route to Buildings
4	166	Danielle	Butts	Norfolk State University	Contradiction: Public Access to Private Accounts
1	10	Ashley	Cainion	Tuskegee University	Inter-differentiation of Immune Regulatory Cells in Prostate Cancer
1	345	Claudio	Calderon	University of New Orleans/Michigan State University	Fractal Nature of Viscous Fingers Formed during Oil-Water Separation
2	167	Shanice	Caldwell	Savannah State University/Rensselaer Polytechnic Institute	Drug Repurposing
4	261	Michael	Carlock	New Mexico State University	Polypropylene-Cellulose Nanocrystal Composites
2	202	Valerie	Carranza	Los Angeles Valley College/University of California, Irvine	Investigating the Methane Footprint of Compressed Natural Gas Stations
4	33	Elisabeth	Carrillo	California State University Monterey Bay/Ohio State University	Investigating a Role for DdiTLP2 in Cell Growth and Mitochondrial Function
2	63	Michael	Cassel	Southern University at New Orleans	Use of a New Robot Design to Engage Students in Robotics
2	139	Esmeralda	Castaneda	Clark Atlanta University	Synthesis of Lanthanide-pyrazine Carboxylate Metal Organic Framework
3	56	Rebecca Anilu	Castro	Hampton University	Understanding the Biological Mechanisms for Dynamic Sonar Sensing in Greater Horseshoe Bats

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Session #	Poster #	First Name	Last Name	Institution	Abstract Title
3	291	Savianna	Chance	Virginia State University	The Effects of Perceived Stress on Cholesterol Concentration
3	66	Krystal	Chandler	Harris-Stowe State University	Juvenile Play Behaviors in Celf6 Knockout Mice
4	134	Jiehao	Chen	University of California, Santa Barbara	Engineering Anaerobic Gut Fungi For Lignocellulose Breakdown
3	1	Autumn	Chong	University of Hawaii at Hilo	Intraspecific Competition within a Tropical Bird Species
1	80	Jessica	Clark	Winston-Salem State University	Inhibition of Biofilm Formation by Diallyl Disulfide
1	301	Cynthia	Claudio	Syracuse University	Progress Toward a Truss-Braced Wig Aircraft with Increased Speed
3	262	Emilio	Codecido	UC Santa Barbara	Enhancing Thermoelectric Efficiency with Gated Silicon Nanowires
2	228	Ivy	Coggins	Howard University/Chulalongkorn University	Thailand Rubber Tree Plantations and the Environment
1	302	Sanusi	Conteh	Howard University	Wind Turbine
2	203	Shaundra	Cook	Virginia State University	Climate Change: Satellite Image Analysis of Receding of Glaciers in Alaska
4	158	Michael	County Jr.	Southern University/Xavier University of Louisiana	Synthesis of Azide Ligands for PAMAM Dendrimers
1	34	Marylyn	Creer	Alabama A & M University	Protein Interactions among Aquilegia MADS-Box Transcription Factors
2	81	Diamond	Crumby	Howard University	Detecting Drug Resistance Mutation in Senegalese Children under ART
3	351	Abenazer	Darge	Virginia Tech	Flow Sensors from Carbon Nanomaterials
2	35	Donald	Davis	Tougaloo College	Fisetin as a Quadruplex DNA Ligand: A Step Toward Alternate Cancer Therapy
4	305	Lennea	Davis	Delaware State University	Viscoelastic Studies of PEG Solutions Using Single Particle Tracking
2	82	Myles	Davis	Tuskegee University	Cell Cycle G2/M Arrest by Inhibition of Protein Kinase D
2	64	Lansa	Dawano	Saint Olaf College	Preparing Bridge Students to Conduct Quantitative Research Projects

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3	36	Kevin	De Jesus	University of Puerto Rico - Humacao/Sloan-Kettering Institute	Elucidating a Mitochondrial Protective Transcriptional Network
4	352	Jorge	De Jesus Silva	University of Puerto Rico at Mayaguez	Structural and Compression Characteristics of Sintered Recycled Glass Design
3	346	Esmarline Jacely	De Leon Peralta	University of Puerto Rico at Mayaguez/Ohio State University	Intelligent Detection of miRNA by Competitive Strand Displacement
4	338	Patrick	Dean, Jr.	Savannah State University	Fetching Objects with Robots
3	159	Kurt	Deixler	Delaware State University	Fabrication and Characterization of PLLA and PCL Nanofiber Membranes
4	317	Trent	Demeritte, Jr.	Savannah State University	Strength of Metals
2	11	Brittany	Demmings	Tuskegee University	Impact of Racial and Sexual Factors on Human Papillomavirus Infection Cases
4	263	Lafayette	DeRamus	University of Arkansas at Little Rock	Optimization of CIGS Solar Cells through AFORS-HET Simulation Program
1	168	Alpha	Diallo	City College of New York	An Accessible Game Using a Close-Range Depth Sensor
1	360	Ashley	Dismuke	Virginia State University	Effect of Treatment of Sogham Stover Residue with Ammonium Hydroxide on Cell Wall Composition and In Vitro Digestibility
1	140	Dakeldrick	Dismuke	Morehouse College	The Effects of Near Space Conditions on PVCL Nanofibers
2	287	Ricky	Dixon	Mississippi Valley State University	Using Common Core State Standards in the Application of NXT LEGO® Robotics
4	37	Jamel	Dobbs	Tuskegee University	An Omega-6 to Omega-3 Fatty Acid Ratio of 1:3 Alters Angiotensin Converting
3	236	Anthonios	Doliotis	University of the Virgin Islands	Correlation Between Human Dimensions and Impaired Water Quality for St. Croix, Virgin Islands
1	294	Morgan	Dorr	Auburn University	ADD/ADHD Prescription Stimulant Use and Potential Addiction
1	38	Abel	Duarte	California State University, Monterey Bay	A Candidate-Based Approach to Elucidate the Mechanism of KaiC Localization
3	57	Mareike	Duffing Romero	Humboldt State University	Do Vibrio Bacteria Play a Major Role in Fish Welfare in the Pet Trade?
3	318	William	Dula	Morehouse College	The Design, Launch, and Recovery of a High Altitude Research Platform

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2	288	Jordan	Earls	Morehouse College	Teaching Children Sustainability Using Video Games
2	141	Maricia	Echols	University of Mississippi	The Use of Various Analytical Methods to Compare Quantitative and Qualitative Gunshot Residue Results
4	100	Jerresia	Edwards	Mississippi Valley State University	Effects of Interrupted Development on the Immune System of Megachile Rotund
1	216	Shelby	Edwards	Dillard University	Lead Remediation of Contaminated Water by Charcoal, LA Red Clay, Spinach, and Mustard Green
1	83	Nkolika	Egbukichi	Portland State University	Characterization of the RNA-DNA Hybrid Virus Capsid Protein
2	357	Mbeke	Ekanem	Morehouse College	Lithium-Air Battery Stratospheric Performance
3	206	Taylor	Elam	Spelman College	Owl Butterfly Oviposition Patterns on Banana Leaves
2	39	Shanan	Emmanuel	University of the Virgin Islands	Tick Borne Pathogens in White Tailed Deer
2	244	Blessing	Enya	Savannah State University	Historical Trends and Prediction in Savannah's Temperature
3	333	Darlene	Espiritu	Virginia State University	Sandwich Node: A New Wireless Sensor Node Architecture for Real-Time Data
1	295	Ivahna	Evans	Virginia State University	Is China Taking the Lead? Examining the Purchase of Smithfield Foods
3	264	Christian	Ezeagwu	Norfolk State University	Polypyrrole Coated Carbon Nanofiber Electrodes for Use in Ca ²⁺ Detection
4	319	Mame	Fall	Howard University	Implementing Safe Cooking Methods in Senegal
1	198	James	Fallon	CUNY City College	Analysis of MWR Data to Compare IPW Measurements to Other Instruments
3	320	Shanee	Ferguson	Savannah State University	Smart Road Sign
2	278	Alayna	Fields	Alabama A & M University	Investigation of Stability and Efficiency of P3HT/PC60BM Based Solar cells
1	267	Emily	Finney	Scripps College/Keck Science Department, Scripps College	Redshift Survey of a Sample of Galaxy Clusters
4	334	Calvin	Fitts Jr.	Elizabeth City State University	Robotic Engineering and Data Processing

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1	195	Paul	Fon	Virginia State University	Ecosar: Synthetic Aperature Radar Development
1	113	Victoria	Forde -Tuckett	Oakwood University	Morphing Structures in the Dionaea Muscipula Ellis
2	204	Felicia	Francis	New York City College of Technology	Trends in Precipitation & Temperature in Ne. America the Past Forty Years
3	40	Olivia	Franklin	Winston-Salem State University	Bioinformatic Analysis of Presenilin-2
2	219	Isis	Frausto-Vicencio	College of the Sequoias	In situ Production of Methyl Chloride in Antarctic Ice Cores
3	101	Trenton	Frisbie	California State University Stanislaus	Measurement of Hair Nicotine in Swiss Webster Mice Exposed to Cigarette Smoke
3	12	Nathalie	Fuentes	Iowa State University/Pennsylvania State University College of Medicine	Identifying Target Genes of Tumor Suppressor Ikaros in Leukemia Cells
1	13	Damaris	Gachungi	Lawson State Community College/Tuskegee University	High Through-Put Drug Screening for Metastatic Cancer
2	114	Kristal	Gant	Elizabeth City State University	Antioxidants in Taraxacum Plant Tissues Grown under Various Conditions
4	273	Abraham	Garcia	California State University, San Bernardino	Electric Propulsion Research Test Stand
4	41	Emanuel	Garcia	Universidad del Este/University of Illinois Urbana- Champaign	Immunocytochemistry to Investigate the Expression of MHC II in CPEK Cells
1	296	Javier	Garcia-Mendoza	New Mexico State University	Intersection Traffic Safety: Red Light Violation Analysis
2	142	Svetlana	Gelpi	Universidad Metropolitana/University of Connecticut	Simulations of Hydrogen Bond Arrangements in [Au ₂₅ (Aib) ₁₈] ⁻¹ Clusters
1	169	Keythe	Gentry	Morehouse College	Creation of a Donation Drop Box Locator Application Using Google Maps API
3	84	Mina	Ghobrial	University of Georgia	Testing Algorithms to Predict Onset of Cerebral Malaria in Murine Model
1	42	Cedith	Giddings	Augsburg College	A Light Microscope Study of Eye Development in Daphnia Magna
3	237	Joseph	Gilbert III	Xavier University of Louisiana	Quality of Supply Water in the New Orleans Metro Area
2	248	Candace	Gilchrist	Norfolk State University	Mathematics: The Universal Language, or Is It?

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2	143	Cameron	Ginochio	University of Minnesota- Twin Cities	Investigating a Greener Synthesis for BHC
1	314	Hector	Gomez	California State University, Long Beach	Development of a Fabrication Process to Improve the Efficiency of Dye-Sensitized Solar Cells
4	67	Luis	Gonzalez	University of California Los Angeles	Targeted Analysis of the Mexican Hypertriglyceridemia Locus on Chromosome 1
1	65	Brandon	Goodman	Hampton University	A Robotic Reproduction of the Dynamic Sonar Sensing in Horseshoe Bats
1	115	Gregory	Goodwin	Clafin University	Toxicity of Plant Derived Phytochemicals against Salmonella Enteritidis
1	245	Janica	Gordon	Southern University at New Orleans	Using Technical Analysis to Predict the Onset of Asset Depreciation
2	220	Paul	Gorrell	Tuskegee University	Isolation of Lignocellulolytic Microorganisms with Implications for Biofuel
2	14	Jacobi	Graham	Talladega College	ATP Production and Caspase Activation in SKOV3 Irradiated Colon Cancer Cell
3	313	Katherine	Guilen	Virginia Polytechnic Institute and State University	Mechanosensitive Biomolecular Networks
2	116	Jasmine	Hall	Florida A&M University	cDNA Cloning and Characterization of Flavanone 3' Hydroxylase (F3'H) Gene
4	321	Dwight	Hanson	Arizona State University	Modeling of Micro Air Vehicles Through Biomimicry of Bumblebees
4	292	Christopher	Harrington	Virginia State University	The Effects of Smoking on Cardiovascular Responses to Stress
1	117	Tranard	Harvin	Clafin University	Antibacterial Activity of Nigerian Botanicals against the Growth of E.coli
1	125	KaDesia	Hawkins	Winston-Salem State University	Investigation of Drug-Cyclodextrin Guest-Host Inclusion Complexation
2	246	William	Hayes	Virginia State University	Data Management and Analyses of the Physical Properties of High Performance
1	85	Ashlea	Hendrickson	Oakwood University	GcpMB Shares a Common Pathway with Staphylococcus Aureus Virulence Factors
2	170	Jermaine	Henry	Syracuse University	Syracuse University Wireless Grids Lab Emergency Response Research
2	118	Florisela	Herrejon Chavez	Portland State University/Willamette University	Variability in Camassia, an Examination of Common and Endemic Species

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3	43	Julie	Hess	Syracuse University	Investigation of Intracellular Vesicular Transport Using Molecular Dynamics
4	102	Christian	Hissom	University of California San Diego	Investigating the Functional Significance of the Thalamocortical Tract
2	44	Regina	Hodges	Bloomfield College	Hyperacetylation of Methionine Synthase in Peas
3	238	Ayanna	Hogan	University of the Virgin Islands	An Assessment of Salt Pond Ecological Characteristics in High and Low Human Development
2	86	Devante	Holmes	Virginia State University	Human Microbiome Variation in Relation to Diet and Geographic Origin
2	279	Jamar	Holmes	Virginia State University	Miniature Fourier Transform Spectrometer
1	221	Darryl	Howard	Oakwood University	Evaluating the Effects of Organically Grown Herbal Plants on Selected Soil Enzyme Activities
2	171	Leon	Hunter	Delaware State University	Identifying Early Warnings of Illnesses via Medical Monitoring Web Service
3	68	Hamid	Hussaini	University at Buffalo/University of Kansas	Delineating Exc-2, a Gene Responsible for Maintaining the Structure of the Excretory Canals in <i>Caenorhabditis Elegans</i>
2	152	Sena	Hussein	University of the Virgin Islands	Updating the Analytical Chemistry Curriculum I
3	322	German	Ibaceta	University of Wisconsin-Platteville	Thermohydraulic Testing of the High Flux Test Module
3	87	Esther	Ibarra	California State University, Bakersfield	Identification of Antifungal Cutaneous Bacteria Isolated from Amphibians
2	88	Ibarra	Imelda	California State University, Bakersfield	Cutaneous Bacteria from Amphibians Inhibit Growth of Fungal Pathogens
3	15	Juan	Irizarry	University of Puerto Rico at Mayaguez	Validation Study of Multiple Criteria Optimization-Cancer MicroData Arrays
4	45	Charnesia	Jackson	University of Arkansas at Pine Bluff	Associations between Cytochrome P450 Genotypes and Stress in Beef Heifers
2	252	D'von	Jackson	Fisk University	Drug Dosage: Ensuring a Level of Effectiveness, While Not Being Harmful
3	361	Alhaji	Janneh	Hampton University	Selection of a Dolphin for the Development of a Biologically Inspired Hydro
2	131	Andrea	Jenkins	University of Arkansas at Pine Bluff	Sphingolipid Analysis of Transformed Pancreatic Cancer Cells

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4	323	Jote	Jinfessa	University of the District of Columbia	High-Throughput Photovoltaic Efficiency Testing System
1	46	Erin	Johnson	Spelman College	Quantifying the Impedance of Amoeba as a Measure of Growth
2	172	Myles	Johnson-Gray	Delaware State University	Automated Construction of Neuronal Models Using Computational Intelligence
4	153	Ayanna	Jones	Clark Atlanta University	Surface Modified Nanocellulose for Epoxy Composites
2	250	Derrick	Jones	Mississippi Valley State University	Interactive Multi-Sensor Snow and Ice Mapping System Snow Depth Validation
3	89	Kelvin	Jones	Alabama State University	RNA-Coliphage Q β Displayed Nano-tags as a Platform for Nanoparticles: A Novel Drugs Cargo
1	16	Roslyn	Jones	Virginia State University	NASA Space Radiation Cancer Risk Software Analysis
3	132	Stephanie	Jones	California State University, Los Angeles	The Calculation-Guided Synthesis of Unsymmetric Derivatives of the E. Coli Siderophore
2	47	Tonee	Jones	Morehouse College/Northwestern University	Deut1 Role in Regulating Centriolar Duplication in Multi-Ciliated Cells
1	173	Tony Rhendell	Jones, Jr	Talladega College	Information Security Risks Awareness Based on Categories: A Literature Review
3	239	Benjamin	Joseph	New York City College of Technology	Calibration of the SWAT Hydrological and SNTHERM Model in Cannonsville, NY
1	268	Odelmo	Joseph	University of the Virgin Islands	Search for Near Earth Objects
3	48	Matthew	Juarez	California State University, Los Angeles	BMP Signaling Degradation by Way of Kinase Phosphorylation in MAD Linker
3	353	Esha	Kapania	University of Virginia	The Influence of Osmotic Pressure on Energy Relevant Biomolecular Materials
4	207	Lauren	Kapono	University of Hawaii at Hilo	Effect of Decreasing Stream Flow on Aquatic Insect Biomass in Hamakua
1	2	Yonatan	Kebede	University of Minnesota	Molecular Analysis of the Centrosomal Protein Cep152 in Mammalian Cells
1	144	Kristyn	Kelly	University of Mississippi	Analytical Detection Methods of THC in Fingerprints as Markers for Marijuana
1	135	Kelin	Key	University of Arkansas at Pine Bluff (UAPB)	Characterization of Morphine-6-O-sulfate Across the Blood Brain Barrier

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1	119	Samira	Khan	University of District of Columbia	Preliminary Systematics of Genus Eperua (Leguminosae; Caesalpinioideae)
4	339	Hae Seong	Kim	College of William & Mary	Development of Nano-Neural Sensing and Stimulation Devices and System
2	251	Kendra	Kirby	North Carolina Agricultural & Technical State University	Improving a Lagrangian Diagnostic
3	240	Vincent	Knox	University of Minnesota- Twin Cities	Defining the Spatial Variability of Hyporheic Exchange in Eagle Creek
2	17	Georgina	Kolcun	Texas A&M University	Smooth Muscle Gamma Actin Structure in Prostate Epithelia
3	103	Mika	Krienka	Mississippi Valley State University	The Use of Ultrasound to Control Ram's Horn Snails in Aquaculture
3	208	Dion	Kucera	Humboldt State University	Analysis of Leaf Area Index using Reflectance Data in the Sierra Nevada
2	174	Namarta	Kumar	Mississippi Valley State University	AntigenBridges: Online Resource to Visualize Sequence Information
2	222	Lena	Lai	City College of New York	A Tracer for Understanding Carbon Dynamics at the Land/Ocean/Air Interface: Investigating the Biogeochemical and Optical Properties of Colored Dissolved Organic Material
2	175	Thalia	Lake	University of the Virgin Islands/University of Wisconsin	Applying Gene Ontology Analysis to Increase Understanding of Cell processes
4	121	Marilynn	Lambinico	University of the District of Columbia	Diversity and Preliminary Systematics of the Two Genera, Dugesia and Girardia, Using Universal Barcoding Genes
1	297	Alecia	Lane	University of the District of Columbia	What Lies Beneath: The Role of Theory of Mind in Lying Behavior
2	120	Philip	Latimore	Fort Valley State University/Washington State University	Use of Novel Compounds for Acceleration of Fruit Ripening and Management of Fruit Quality
4	306	Vivian	Le	University of California, Santa Barbara/University of California, Berkeley	Developing iPS Derived Cells for Cardiac Tissue Regeneration
4	58	Kevin Terry	Lee	Vassar College	Pollen Limitation and Reproductive Ecology in Penstemon Digitalis
4	69	Myesa	Legendre-Fixx	University of Washington	Occurrence of Circadian Clock Genes in Wild Picocyanobacteria
1	126	George	Lewis	Texas Southern University	An In Vitro Assessment On The Effect Of Diruthenium- Allopurinol As a Potential Anti-Cancer Agent in Michigan Cancer Foundation -7 (MCF-7) Breast Cancer Cells
4	218	Jamicia	Lewis	Alabama State University	Selection for a Loss-of-function Mutation in the CpCYC-b gene in Red-Fruited Papaya

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Session #	Poster #	First Name	Last Name	Institution	Abstract Title
3	70	Twymenia	Liggins	University of Arkansas at Pine Bluff	Patterns of Racial Variation in Allele Frequencies of Asthma-Associated GWA
3	336	Austin	Little	Morehouse College	Programming Lego Mindstorms NXT Robots for High Altitudes
3	324	Daniel	Lopez	Arizona State University	Design Optimization of Micro Aerial Vehicles by Bio-Mimicry of Bumblebees
4	49	Rachel	Lopez	University of California, Los Angeles	High Mobility Group B Knockdown Decreases Heterochromatin Modifications
3	18	Solomon	Lynch	University of the District of Columbia	Phenotypic Characterization of an Allelic Variant of Mtor
2	151	Nancy	Magee	Dillard University	Insights on Carbon Dioxide Interactions with N,N'-dimethylethylenediamine
2	176	Atish	Malik	Delaware State University	Computational Study of Function Recovery in Crustacean Pacemaking Neurons
1	127	Aziz	Mamur	New Jersey City University	Synthesis of a Selective Kinase Inhibitor for the M.tb. Ser/Thr Kinase-PknB
2	223	Gritidach	Manakitivipart	Humboldt State University	Engineering Low Cost Ocean Observation Systems
3	161	Jamila	Martin	University of the Virgin Islands	Water Nutrient Content Influence on Bioluminescence in St.Croix, USVI
4	307	Alexandra	Martinez	University of California San Diego	Tattoo Potentiometric Ion Selective Sensors for Epidermal pH Monitoring
4	325	Anita	Martinez	New Mexico State University	Ergonomic Analysis of Innovative Sustainable PACE Vehicle Design
2	247	Jason	Martinez	University of Wisconsin-Milwaukee	2013 Summer Research with Dr. Kyle Swanson UWM Chair of Mathematics
4	71	Guttu	Maskalo	St. Olaf College	We Seek to Develop Wireless Methods for Recording and Stimulating Nerves
3	177	Jalen	Mayfield	Philander Smith College	Quantitative Evaluation of Open Education Resources: The Website Architecture
4	178	Magdalene	McArthur	Howard University	Creating Software Defined Network Topologies with Mininet
3	59	Lisa	McBride	New Mexico Highlands University	Bison Conservation Genetics Study at Rio Mora Wildlife Refuge, New Mexico
1	179	Carlton	McClain	Alabama State University	Using Visual Studio 2010 for Windows Phone to Animate Moving Objects

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2	289	Kalyx	McDonald	Mississippi Valley State University	TeraScan Curriculum Development and Integration of SeaSpace Technology into the Classroom
1	128	Malcolm	McNair	University of Mississippi	Analytical Methods of Cotinine in Fingerprints as Markers for Nicotine Usage
1	269	Amber	Medina	New Mexico State University	Electron-Ion Equilibrium and Shock Precursors in the Cygnus Loop SNR
4	154	Elmon A.	Merriman	Morehouse College	Hydrolysis and Analysis of Simple Sugars using Smart Fibers from Subterranean
2	145	Brianna	Merritt	Delaware State University	Nanopowders and cosmetics: Are they safe? A Toxicity Study
4	308	Mitch	Mikami	Kapi'olani Community College	Time Series Analysis of Pupillometry Data to Estimate Daytime Sleepiness
4	337	Ian	Miller	Tennessee State University	Development of Secure Web Browser To Protect Smartphones From Malicious Web-based Attacks
1	3	Colee	Mitchell	Oakwood University	Electrotonic and Action Potentials in the Venus Flytrap
1	50	Kierrariel	Mitchell	Dillard University	The Effects Of Neuropeptide Y On Osteoblast And Osteoclast Cells Lines
1	354	Nerrissa	Mitchell	University of New Orleans	Annealing and Characterization of Bismuth Selenide Thin Films
4	209	Sara	Mohammed Nur	University of Minnesota	The Effect of Temperature on Monarch Butterfly Larvae Development
1	19	Olivia	Moline	Florida A&M University	Prostate Cancer Knowledge, Myths, and Misconceptions Among Haitian Men
1	90	Briana	Moncur	Oakwood University	Selective Macrolides Can Regulate Virulence in Porphyromonas Gingivalis
3	276	Belther	Monono	Alabama A & M University	Photopatterning of Azo Dye Labeled Phospholipid for Biosensing Applications
4	340	Maleek	Montgomery	Savannah State University	Design and Stress Analysis of a Load-Carrying Hanger Using SolidWorks Simulation Software
3	326	Danielle	Moore	Virginia Polytechnic Institute and State University	The Selection of a Smart Material for a Biologically Inspired Hydrobot Tail
4	104	Andre	Mota	University of California, San Diego	The Therapeutic Use of Atropine in Diabetic Neuropathy
3	72	Dakarai	Moton	Dillard University	Evaluation of Pediatric Sickle Cell Disease Pulmonary Complications

Session #	Poster #	First Name	Last Name	Institution	Abstract Title
1	146	Amina	Mouhamed	University Of Minnesota	Dicopper Complexes for C-H Bond Activation
3	210	Charles	Mungai	Delaware State University	Efficacy of White Leghorn Hens for Controlling Insects in Bush Snap Beans
4	309	Vicente	Munguia	California State University Fresno	Magnetorheological (MR) Fluid Brake for Prosthetic Knee
4	73	Jorge	Muriel-Mundo	Universidad del Este/Fort Valley State University	Analysis of Genetic Diversity in the Field Grown and Tissue Culture Raised
4	310	Zackari	Murphy	LSU	Properties of a Bone Scaffold Using Frontal Polymerization
2	20	Kimberly	Myers	Tuskegee University	The Effect of E-cadherin in Prostate Cancer Cells
3	21	Tamra	Neblett	Spelman College	Characterization of SPT-1 Open and Alternate Reading Frames in Cancer Cells
4	232	Joseph	Nesbit	Fort Valley State University/University of Arkansas	Can Land Applying Spent Iron and Water Treatment Residuals Decrease Nutrient Runoff from Poultry Houses?
3	105	Charles	Newton	Southern University in Shreveport, LA	A Comparison of Vitamin D Deficiency in Adult Patients
2	91	Jacklyn	Nguyen	California State University, Bakersfield	Amphibian Cutaneous Bacteria Inhibit Human Fungal Pathogen Growth
4	60	Tina	Nguyen	Humboldt State University	A Survey of Parasites in Fish at Cabo Blanco Absolute Reserve, Costa Rica
3	92	Manelisi	Nhliziyo	Tuskegee University	Immunomodulatory Effects of IMP10 peptide on IL-12 Levels in NZBWF1 Mice
1	129	Khalin	Nisbett	University of the Virgin Islands	Screening of Cigua-Toxins Found in the Invasive Indo-Pacific Lionfish
4	265	Malachi	Norman	Morehouse College	Hydrofluorinated Graphene and Boron-Nitride Ribbons
1	22	Richard	North	Texas Southern University	Explication of Branched Chain Amino-Acid Transaminase 1 in Triple Negative
1	199	Tatiana	Oje	Kapi'olani Community College	Summer Wind Analysis on the Kapi'olani Community College Campus
3	241	Etonam	Okaihue-Woodi	Cornell University	Anaerobic Treatment of Wastewater--Upflow Anaerobic Sludge Blanket
2	180	Christopher	Okonkwo	Norfolk State University/Carnegie Mellon University	Adaptive Morphological Filtering for Calibrating Multiple 3D Cameras

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Session #	Poster #	First Name	Last Name	Institution	Abstract Title
4	211	Abena Boatemaa	Okyere Acheampong	University of Maryland Eastern Shore	Effect of "Brown tide" (Aureococcus) on Survival Rate of Copepods
4	277	Oluwasemire	Olaniyi	North Carolina Central University	Light Propagation Through a Sub-Wavelength-Hole-Array Metal Film
3	181	Olatide	Omojaro	Georgia Perimeter College/Texas Tech University	ASP-based Planning & Diagnosis with POMDPs for KR & Reasoning on Mobile Robots
4	61	Juan	Orjuela	University of Milwaukee-Wisconsin	The Affects of Bimodal Signals on Male and Female Frogs of Wisconsin
1	93	Jose	Orozco	California State University, Bakersfield	Identification of Microcrustaceans as Predators of Batrachochytrium Dendrobatidis
2	224	Berenice	Oseguera	City College of New York	Validation of Microwave Remote Sensing Retrievals of Freeze-Thaw States
1	298	Suzanna	Osuna	University of California, San Diego	Parental Speech Styles and Language Abilities in Toddlers with Autism
4	182	Omunique	Owens	Norfolk State University	Forensic Analysis of Cell Phones: Challenges and Solution
3	162	Franklin	Palmer	City College of New York	Seeing by Touch Without Contacts
4	155	ValaRae	Partee	University of Georgia	Decontamination of Heavy Metals with Chemically Altered Chitosan Composites
2	147	Lauren	Peace	North Carolina Agricultural & Technical State University	The Synthesis and Characterization of Chalcones for Use as Chemopreventives
1	4	Aterica	Pearson	Southern University Shreveport/Alabama State University	Chlamydia Major Outer Membrane Protein Induces T-cell Proliferative Responses in Mice
1	5	Maria	Pedraza	University of California, Los Angeles	Elucidating a Novel Vitamin C Synthesis Pathway in Caenorhabditis elegans
4	106	J'undra	Pegues	University of Mississippi	Effects Of A B-Adrenergic Antagonist On Spatial Memory In Birds
3	242	Rose	Peralta	New Mexico Highlands University	Montane Riverine and Wetland Conditions of the Gallinas Watershed
1	183	Rodny	Perez	Borough of Manhattan Community College	Door Detection of Subway Trains in New York City
2	94	Keith	Perkins	Southern University at New Orleans	Detection of Oil Spill Microbe in Shrimp Species of the Gulf of Mexico
4	184	Bathsheba	Petty	Philander Smith College	A Comparison between Still-Image CAPTCHA and Video CAPTCHA

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2	51	Benjamin	Pickard	Fort Valley State University/University of Connecticut Health Center	Fabrication and Characterization of Lactoferrin Fibers
4	327	Christopher	Pineda	Fresno State	Magnetorheological Shock Absorber
1	229	Jenna	Platt	Auburn University	Corynespora 'Target Spot' in Alabama Cotton
2	280	Kemet	Preer	Alabama State University	The Analysis of Silver Nanoparticles Using Laser-Induced Breakdown Spectroscopy
1	270	Bonnie	President	University of the Virgin Islands	The Search of Extra-Solar Planets Using the Etelman VI Robotic Telescope
2	185	Alfonso	Puga	California State University, Bakersfield	Automated Web Server Immune System
1	299	Jamon	Pulliam	Tuskegee University	Camp Ramapo: An Evaluation of an Education and Behavior Modification Program
2	312	Kasandra	Ramirez-Rojas	University of Puerto Rico	Beating the Curse of Dimensionality through Manageable Experiments
3	52	Royan	Reddie	Tuskegee University	Proliferation of DU145 Prostate Cancer Cells in a Pre-Stressed Hepatic Nich
3	74	Abigail	Rene	University of the Virgin Islands	Ultraclean and Chloroform Yield High Quality DNA From White Mangroves
3	256	Edgardo	Reyes	University of Puerto Rico at Mayaguez	Effects of Ferroelectric Nanoparticles in a Polymer-based Composite
3	274	Dontrel	Reynolds	Alabama A & M University	Nanocomposite Piezoelectric Paint for Strain Sensing and Energy Harvesting
1	271	Sydney	Reynolds	University of Arkansas at Pine Bluff	Measuring the Central Mass and Pitch Angle of Type 2 Active Galaxies
1	226	Tequila	Richard	Dillard University	Identifying Microbes Associated with The BP Oil Spill at the LA Shorelines
1	130	Carlos	Rivera	St. Olaf College	G-Quadruplex Stability in Aqueous Cosolute Solutions
3	107	Adonis	Rivie	William Paterson University	Effect of Cold Atmospheric Pressure Plasma on Regenerating Tissue
4	186	Jasmine	Roberts	Savannah State University	Development of the Personalized Sign Language Translator Utilizing the Motion Sensing Device
4	257	Esteban	Rodriguez-Ariza	Portland State University	Synthesis of Ternary Magnetic Photocatalysts

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3	95	Alicia	Romero	Cal Poly San Luis Obispo/ Oxnard College	Genetic Detection of Bacterial and Algal Communities Associated with HAB
3	212	Zola	Roper	University of the Virgin Islands	Variation in Fish Assemblages Among Sites at Cockspur Island and Tybee Island
4	122	Breanna	Ryan	Dillard University	The Status of Microbial Organisms in the Gentilly Community Post Katrina
1	187	Saboor	Salaam	Howard University	Wireless Sensor Network for Seismic Data Acquisition of Mount Cameroon
3	258	Jose Luis	Salcedo Perez	University of Puerto Rico at Mayaguez	On the Fabrication of Biopolymer-based Nanocomposites
2	249	Cynthia	Salgado	California State University, San Bernardino	Radio Labeling of Path Graphs to the 6th Power
2	230	Ashlie	Santaliz	University of Puerto Rico/Fort Valley State University	Cell Suspension Cultures Establishment and Transient Gene Expression in Arundo donax
4	233	Vanessa	Santiago	University of Puerto Rico, Rio Piedras Campus	Comparison of QuEChERS and Soxhlet Methods for Extraction of Contaminants
3	188	Alexander	Sato	Borough of Manhattan Community College	Bus Sign Detection
3	293	DaVonna	Scott	Virginia State University	Body Mass Index, Waist Circumference and Cardiovascular Reactivity to Stress
1	96	Joy	Semien	Dillard University	Assessing Biomarkers of Oil Spill Weathering along LA Shoreline
4	53	Lorryayne	Serra	California State University East Bay	Cellular & Molecular Mechanisms Critical Mechanosensory Neurite Termination
4	275	Justin	Shuck	Portland State University	Open Access Crystallography Database Administration
3	328	Melanie	Sifuentes	University of Puerto Rico at Mayaguez	Prediction of the Efficient Frontier of a Bicriteria Optimization Problem
4	75	Alexander	Sigala	California State University Monterey Bay	Investigating the Role of Aging in Population Dynamics
4	108	Emmanuel	Sims	Southern University at Shreveport/LSU Health Center	Too Young for a Stroke? College Students' Perceptions About Stroke
3	109	Araik	Sinanyan	Humboldt State University	BPA Disrupts Conduction Velocity and Regeneration In Lumbriculus Variegatus
2	189	Christopher	Small	Grambling State University	Scrawler 3D for Entertaining and Vocabulary Learning Purposes

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3	197	Brandi	Smith	Mississippi Valley State University	Analysis of Aflatoxin Resistance in Maize for Gene Expression Prediction
2	23	Jonathan	Smith	University of Arkansas at Pine Bluff	Mechanism of Salvianolic Acid-B on the Inhibition of Cyclooxygenase-2
3	24	Leekira	Smith	Tuskegee University	The Effects of ELL2 Loss in Murine Prostate on Vascularity or Angiogenesis
3	97	Rosemarie	Somers	Prairie View A&M University/Tuskegee University	The Role of IL-12 on Thymocyte Apoptosis in the TNC Microenvironment
2	205	Awolou	Sossa	New York City College of Technology	Thermal Observations and characterization of Manhattan's Urban Heat Island
4	311	Benjamin	Spearman	Auburn University	Electrically-Conductive, Polymer Scaffolds for Cardiac Tissue Engineering
2	281	Andre	Spears	Southern University and A&M College	4D Tracking the Motility of Biological Cells by Digital Holographic Microscopy
4	329	Brandon	Speed	Morehouse College/University of Virginia	Modifying Commercial Biomechanic Sensors to Monitor Ozone Pollution
2	148	Eboney	Stallworth	Alabama A & M University	Synthesis & Characterization of Dithiophosphoric Acid and Silane Complexes
4	341	Cassandra	Stanford	University of the District of Columbia	Body Area Networks: Challenges and Opportunities
4	156	Bridget	Stewart	Prairie View A&M University/Rice University	The Development of All-Conjugated Block Copolymer Photovoltaics
4	62	Jarvon	Stout	University of the Virgin Islands	Starvation Affects Feeding Preferences of the Sea Urchin <i>Diadema Antillarum</i>
2	282	Jori	Strack	Winston-Salem State University	Four-wave Mixing in Photonic Crystal Fiber
4	190	Tommy	Suriel	University of The District of Columbia	Effects of Wireless Communications on Robot Team Performance
1	6	Kaba	Tandjigora	Montclair State University	Oxidation of DNA by High-Valent Metal-Oxo Porphyrins Mn-TMPyP and Fe-TMPyP
4	253	Danielle	Taylor	Norfolk State University/University of Alabama at Birmingham	Paclitaxel Loaded Nanoparticles for Treatment of Malignant Mesothelioma
1	191	Gwendolyn	Tennell	Indiana University Purdue University Indianapolis/Southern University Shreveport	Stepping Through Virtual Communication into Virtmon
4	286	Angelicia	Thomas	Alabama A & M University	Sensing and Characterization of Oil Films by Holographic Interferometry

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4	110	Torri	Thomas	Mississippi Valley State University	The Effects of a Sublethal Dose of Botulinum Serotype E on the Swimming Performance of Channel Catfish (<i>Ictalurus punctatus</i>) Fingerlings
2	149	Jerry	Thomas Jr.	Alabama A & M University	Improved Mechanisms for Rapid Measurement of Molecular SO ₂ in Wines
2	283	Teika	Thompson	Stillman College/Alabama A&M University	Raman Measurements of Nitrates and Other Chemicals
3	98	Keaira	Thornton	Norfolk State University	Phylogenetic Analyses of <i>Streptococcus Parauberis</i> from Fish and Cattle
1	300	Janette	Torres	New Mexico State University	Non-Parametric Data Analyses for Observational Before-and-After Studies
3	330	Giovanni	Torres Suarez	University of Puerto Rico at Mayaguez	Applying Multicriteria Optimization in Fa-nS Concrete Mix at Early Age
3	76	Andrea	Valdez	California State University Monterey Bay	Mapping of the <i>Sos2</i> Mutant in Maize
4	234	Keishla	Valentin-Elias	University of Puerto Rico, Rio Piedras Campus	Phthalate Distribution and Persistence in the San Juan Bay Estuary, PR
3	355	Eduardo	Valle	University of California, San Diego	The Integration of Natural Dyes Into Solar Cells
4	358	Astrid	Varela-Agront	University of Puerto Rico at Mayaguez	Predicting the Best Tradeoff Solutions in Sports Training
1	200	Daniel	Vidal	City College of New York	Improving Spatial Coverage and Resolution of Satellite Aerosol Retrievals
4	213	Rebecca	Vigil	New Mexico Highlands University	Removal of Invasive Bullfrogs and their Impact on Ecosystem Trophic Levels
3	111	Bianca	Vigliante	Mississippi Valley State University	The Effect of Sample Storage Time on Blood Gas and Electrolyte Readings for Channel Catfish, <i>Ictalurus Punctatus</i>
2	225	Cristian	Virrueta	University of California, San Diego	Origin of Methane and Other Hydrocarbons in Magmatic Systems
2	315	Johan	Von Behr	Southern University-Shreveport	Nickel Titanium to Epoxy Adhesion
3	192	Jared	Wagnac	Tennessee State University	Bandwidth Analysis of Video Transmission in a Distributed Environment using PlanetLab
1	150	Gabrielle	Webber	Alabama State University	Investigation of the Hydrosilylation of Vinyl Pyridine with Trichlorosilane
3	335	Arthur	Wesley	Savannah State University	RFID Technology

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1	254	Denae	West	Oakwood University	Incorporation of Silver, Diamond and Gold Nanoparticles in Various Organic Solutions
4	342	Danielle	Williams	Southern Polytechnic State University	CZTS (CZCELL)
2	272	Dyiamond	Williams	Southern University at Shreveport	Effect of Firing Time on YSZ Microstructure for NOx Sensing
4	343	Latoya	Williams	Virginia State University	Gas Emissions Monitoring System
1	217	Kasey	Wilson	Clafin University	Biosorption of Hexavalent Chromium from Aqueous Solutions Utilizing Soybean and Rice Hulls
4	235	Sean	Wilson	Dillard University	Assessing the Toxicity of the BP Oil Spill in the Air at the LA Shoreline
1	231	Jeremy	Wimes	Fort Valley State University/University of Florida	Volatiles Analysis: Secret Ingredients of Taste in Tomato Commercial Variety
1	54	Tyler	Wishard	University of California San Diego/Scripps Research Institute	Control of Neurogenesis by Fragile X Proteins
3	214	Derek	Witherspoon	Morehouse College	Termite Behavior and its Role In Ethanol Production
1	25	Seth	Wolf	Morehouse College	The Protein Interaction Between Nef and p53 and Their Regulatory Effects
2	55	Annechael	Wood	University of Minnesota	Lung Fibrosis: How the Matrix Affects Cell Function in Mice
4	331	Elias	Workie	Univerisity of District of Columbia	Analysis of Storm Event Characteristics for Washington Metropolitan Region
3	193	Lacey	Wright	Auburn University	Mobilizing the Classroom to Transform K-12 Computing
2	284	Rojae	Wright	Alabama A & M University	Measuring the Position Resolution of a COMPASS Drift Chamber Prototype B
4	123	Sheela	Yang	University of Wisconsin-Milwaukee	Effects of Lead (PB2+) and Temperatures on Zebra Fishes
4	194	Carlos	Young	Virginia State University	Software Defined Radio Implementation of a Fourier Transform: S-DRIFT
3	243	Guan Nian	Zeng	New York City College Of Technology	Comparison of Satellite Microwave Data with Ground based Radiometric Data
4	344	Kefyalew	Zergaw	Alabama A & M University	Development of Room-Temperature Radiation Detectors
2	285	Christian	Zollner	Cornell University/New Mexico State University	Vibrational and Electronic Structure of Spinel, FTIR and VUV Ellipsometry