



27th Annual GSA Research Symposium

23rd March 2011, Blacksburg, VA


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Category Description

Oral presentation:

Graduate students will present results from their research using slides and lecture presentation. Laptops and projection facilities will be provided. The duration of the presentation will be 10 minutes with 2 minutes for questions and answers. Presentations will be evaluated by a committee of faculty members and of graduate students from pertaining colleges.

Poster Presentation:

Graduate students will present their research using posters displayed in the Multipurpose Room in the GLC. Posters will be evaluated by a committee of faculty members and of graduate students from pertaining colleges. Please note that posters are to remain up for the duration of the symposium (23rd March), and researchers are urged to attend to their poster for discussion with judges and colleagues during the dedicated poster session. The size of the poster boards available is 48"x36". Push pins will be provided to all presenters to put up their posters. Posters have to be mounted for viewing during the registration period on the morning of March 23rd, 2011 between 8:00 to 8:30 am.

Video Presentation:

The video presentation session is open to students from all departments who prefer presenting the results of their research using videos. Duration of the videos should be not more than 5 minutes, and they should be self explanatory. Accepted presentations will be played continuously in the GLC, with the corresponding abstracts included as subtitles.

Performance Session:

Students from SOPAC are highly encouraged to participate in the performance session of the GSA Research Symposium. This is the first time this session has been hosted to give students additional platforms to effectively present their research and achievements.

Advanced Undergraduate Session:

Advanced undergraduate students are encouraged to present their research results during the undergraduate session of the research symposium using poster presentations. Posters will be evaluated by a committee of faculty members and of graduate students from pertaining colleges. Please note that posters are to remain up for the duration of the symposium (23rd March), and students are urged to attend to their poster for discussion with judges and colleagues during the dedicated poster session. The size of the poster boards available is 48"x36". Push pins will be provided to all presenters to put up their posters. Posters have to be mounted for viewing during the registration period on the morning of March 23rd, 2011 between 8:00 to 8:30 am.

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Compendium

Author	Department	Category	Title	Abstract
Somik Ghosh Deborah Young-Corbett	EDP - Environmental Design and Planning	Interdisciplinary	ROLE OF SOCIAL INTERACTION DURING CONSTRUCTION PRODUCTION PLANNING THAT IMPACTS SAFETY	Abstract for Poster - ghoshsom.pdf
Amanda Watson Morgan Hubble Martha Ann Bell	PSYC - Psychology	Human Behavior	An Investigation of Motoric Inhibitory Control in Three-Year-Old Children	A_Watson_watsonaj.pdf.pdf
Matthew Dunlop Stephen Groat William Urbanski Randy Marchany Joseph Tront	ECE - Electrical & Computer Engineering	Algorithms, Modeling and Simulation	Dynamic Obscuration of IPv6 Addresses to Achieve a Moving Target Defense	M_Dunlop_MT6D.pdf
Dorothy Y. Wang Yunmiao Wang Ming Han Jianmin Gong Anbo Wang	ECE - Electrical & Computer Engineering	Electronics and Signal Processing	Fully-Distributed Fiber- Optic Sensing Based on Acoustically-Induced Long-Period Grating	GSA research symposium abstract_Dorothy Y. Wang.pdf
Yunmiao Wang Jianmin Gong Bo Dong Dorothy Y. Wang Anbo Wang	ECE - Electrical & Computer Engineering	Electronics and Signal Processing	DENSE MULTIPLEXED SENSOR NETWORK BASED ON ULTRA- WEAK FIBER BRAGG GRATINGS	Submission Category.pdf
Alireza Karimi Zhi-Feng Huang Mark Paul	ESM - Engineering Science and Mechanics	Algorithms, Modeling and Simulation	Gaining New Insights into Spatiotemporal Chaos with Numerics	A_Karimi_karimi.pdf
Casey B. Jakubowski David L. Popham	BIOL - Biological Sciences	Biological Sciences	The role of YpeB in cortex hydrolysis during germination of Bacillus anthracis spores	GSA symposium 2011.pdf
Emily E. Yeiser*	DASC -	Animal	The Effects of Flunixin	GSA Research Symposium

Author	Department	Category	Title	Abstract
Ken E. Leslie**, and Christina S. Petersson-Wolfe**	Dairy Science	Science	Meglumine Treatment on Activity Measures and Feed Intake during Experimentally Induced Escherichia coli Mastitis	Abstract.pdf
Andrea J. Tiwari Erin D. Davis Yafen Zhang John R. Morris Linsey C. Marr	CEE - Civil and Environm ental Engineeri ng	Interdiscipli nary	Oxidation of C60 aerosol by ozone	Tiwari_GSARS2011_poster abstr.pdf
Vera M. Novak, MBA, LEED AP, PhD Student	BC - Building Constructi on	Interdiscipli nary	The Impact of Lean Construction Culture on Sustainable Project Delivery RE-DEFINING THE ARCHITECTURAL DESIGN PROCESS THROUGH A DECISION SUPPORT FRAMEWORK FOR DESIGN WITH REUSED BUILDING MATERIALS AND COMPONENTS BETWEEN DESIGN PROCESS AND PROCESS DESIGN IN ARCHITETURAL PRACTICE	GSA Symposium Abstract - NOVAK.pdf
Ahmed K. Ali	ARCH - Architectu re	Design		Submission Category_Oral.pdf
Ahmed K. Ali	ARCH - Architectu re	Design		Submission Category_Posters.pdf
Ganesh Balasubramanian Vinod K. Lohani Ishwar K. Puri Scott W. Case Roop L. Mahajan	ESM - Engineeri ng Science and Mechanic s	Interdiscipli nary	A Spiral Curriculum Approach for Nanotechnology Undergraduate Education	G_Balasubramanian_bganes h_Abstract1.pdf
Franziska Hinkelmann Madison Brandon Bonny Guang Rustin McNeill Grigoriy Blekhherman	MATH - Mathemat ics	Interdiscipli nary	Algebraic Framework for Discrete Models in Systems Biology	abstractGSA.pdf

Author	Department	Category	Title	Abstract
Alan Veliz-Cuba Reinhard Laubenbacher				
Pingyang Liu Bruce M. Christensen Jianyong Li	BCHM - Biochemi- stry	Biological Sciences	Glutamate dehydrogenase (GDH) function in mosquito ammonia detoxification	PY Liu_liup6920@vt.edu . pdf
Brendan Brink- Halloran	SPIA - School of Public & Internatio- nal Affairs	Interdiscipli- nary	AIDing Democratic Governance? The role of USAID in Promoting Democratic Local Governance in Guatemala and Bolivia	B_Brink- Halloran_bbrink42.pdf
Kevin M. Geyer Adam E. Altrichter John E. Barrett	BIOL - Biological Sciences	Biological Sciences	Influence of Snow Packs on Soil Biota and Biogeochemical Cycling in Polar Desert Soils	Geyer Poster Abstract 2011.pdf
Jianjun Yao, Wenwei Ge, Yaodong Yang, Jiefang Li, Qinhui Zhang, Haosu Luo, Dwight Viehland	MSE - Materials Science and Engineeri- ng	Engineering of Fluids, Solids, Materials and Chemical Processes	Understanding the structure of Na1/2Bi1/2TiO3-based solid solutions	Abstract GSA 2011.pdf
Elizabeth Voigt Cara Buchanan Jaime Schmiege M. Nichole Rylander Pavlos Vlachos	ME - Mechanic- al Engineeri- ng	Biology in Engineering	Hydrodynamic Characterization of an Arterial Flow Bioreactor	E_Voigt_betsyv.pdf
Alireza Bozorgi Dr. James R. Jones	ARCH - Architectu- re	Design	The Next Generation of Building Energy Simulation Programs: A New Eight-Step Procedure for Deriving the Financial Value and Risk of Energy Retrofit Options	Bozorgi-GSA Poster abstract.pdf
Sharmistha Mitra§, Gayatri Ankem§, Irisilla Ayala§, Camille Moreno§, Hugo Azurmendi*	BIOL - Biological Sciences	Biological Sciences	STRUCTURAL BASIS OF LIGAND RECOGNITION BY THE TOLLIP C2 AND CUE DOMAINS	Sharmistha_Mitra_sharmi04 .pdf

Author	Department	Category	Title	Abstract
Carla V. Finkelstein□, Liwu Li□□ and Daniel G.S. Capelluto§				
Jada E. Brooks Katherine Allen	HD - Human Developm ent	Other	Talking about Sexuality and Religion: Making the Private Public in an Undergraduate Classroom	Brooks_GSA_Abstract.pdf
James J. Pembridge	ENGE - Engineeri ng Education	Other	A QUANTITATIVE ANALYSIS OF DISCIPLINARY DIFFERENCES IN MENTORING AMONG CAPSTONE DESIGN COURSES	Pembridge.Abstract.GSA_R S_2011.pdf
Brad E. Bizzell	ELPS - Education al Leadershi p and Policy Studies	Other	Professional Development of School Leaders in Virginia's Rural Appalachian Region	VT GSA proposal 2011.pdf
JC Alexander N Sriranganathan R Wattam* J Setubal* SM Boyle	BMVS - Biomed & Human Veterinar y Sciences	Health	A Peptide Nucleic Acid Designed for Brucella suis Inhibits Growth of Several Brucella spp.	GSA_abstract 2011.pdf
Garrett Smith Bridget Donaldson Nammalwar Sriranganathan	BMVS - Biomed & Biological Veterinar y Sciences	Sciences	Windrow Compost Pathogen Load Analysis Study	GSA_abstract_GSMITH.pdf
David B. Hobart Jr. Joseph S. Merola Michael A. G. Berg	CHEM - Chemistry	Physical Science	PALLADIUM(II) AMINO ACID CHELATES: SYNTHESIS, STRUCTURE, AND REACTIVITY	dhobart GSA 2011 abstract.pdf
Reza Montazami James R. Heflin	MSE - Materials Science and Engineeri	Engineering of Fluids, Solids, Materials and	Development of High- performance Electro-active Polymer Actuators via Optimization of Conductor Network Composite Layer	Montazami_GSA_Symp.pdf

Author	Department	Category	Title	Abstract
	ng	Chemical Processes	Using Self-Assembled Nanoparticles	
Matthew Bays Apoorva Shende Daniel J. Stilwell	ME - Mechanical Engineering	Algorithms, Modeling and Simulation	Optimal Sensor Motion Using Bayes Risk for Area Intrusion Detection	GSA Abstract Sensing.pdf
Jonathan R. Moore Charles R. Blem Jeffrey R. Walters Ignacio T. Moore	0	Biological Sciences	Long-term clutch reduction in Prothonotary warblers: a response to climate-induced mistiming?	J_Moore_s2jrmoor.pdf
Theresa How-Yew-Kin	PPWS - Plant Pathology, Physiology, and Weed Science	Biological Sciences	Functions of conserved oömycete proteins from Hyaloperonospora arabidopsidis	Abstract ASPB 2011[1].pdf
Courtney A. Cohen* C. Lynn Heffron* Eva Schmelz** P. Chris Roberts*	BMVS - Biomed & Veterinary Sciences	Biological Sciences	OBESITY-ASSOCIATED MODULATION OF THE IMMUNE MICROENVIRONMENT OF THE OMENTAL FAT BAND DURING PERITONEAL SEEDING OF OVARIAN CANCER	GSA Research Day drat 2 2011.pdf
Nathaniel A. Frissell Jone. P. Reistad Dag Lorentzen Noora Partamies Peter Stauning	ECE - Electrical & Computer Engineering	Physical Science	Characteristic Energies in an Auroral Spiral	frissell-gsa2011.pdf
Matthew Y. Chan Matthew Hull Jason Jones Peter Vikesland	CEE - Civil and Environmental Engineering	Agriculture, Environment & Wildlife	TRANSPORT, STABILITY, AND DEPOSITION OF FUNCTIONALIZED GOLD NANOPARTICLES IN POROUS MEDIA	MatthewY_Chan_mychan.pdf
Matthew Y. Chan Matthew Hull	CEE - Civil and	Agriculture, Environment	TRANSPORT, STABILITY, AND	MatthewY_Chan_mychan.pdf

Author	Department	Category	Title	Abstract
Jason Jones Peter J. Vikesland	Environmental Engineering	t & Wildlife	DEPOSITION OF FUNCTIONALIZED GOLD NANOPARTICLES IN POROUS MEDIA	
Islam Ashry, Chalongrat Daengngam, Baigang Zhang, Jihaeng Yi, Peng Lu, James R. Heflinand Yong Xu	ECE - Electrical & Computer Engineering	Physical Science	PATTERNING NANOPARTICLES THROUGH LAYER-BY- LAYER SELF- ASSEMBLY AND AFM- BASED NANOLITHOGRAPHY	GSA.pdf
Liguang Xie Yi Shi Y. Thomas Hou Hanif D. Sherali	ECE - Electrical & Computer Engineering	Algorithms, Modeling and Simulation	On Renewable Sensor Networks with Wireless Energy Transfer	GSA_LXIE_RenewableWS N.pdf
Shreya Kothaneth Ashley Robinson Catherine Amelink	ISE - Industrial and Systems Engineering	Interdiscipli nary	Support of Students' Learning Styles by the Tablet PC	GSA_2011_Poster abstract.pdf
Shouib Ma'bdeh James Jones	ARCH - Architecture	Other	A Decision-Support Framework for the Design and Application of Radiant Cooling Systems	Poster Submission Abstract Shouib Mabdeh.pdf
Abdessattar Abdelkefi Ali H. Nayfeh Muhammad R. Hajj	ESM - Engineering Science and Mechanics	Engineering of Fluids, Solids, Materials and Chemical Processes	Piezoaeroelastic analysis and control of wind energy harvesters	GSA_energy_harvesting abstract.pdf
Samah Ben Ayed Muhammad R. Hajj	ESM - Engineering Science and Mechanics	Engineering of Fluids, Solids, Materials and Chemical Processes	A FUNCTIONAL APPROACH FOR THE ANALYSIS OF PEAK WIND LOADS ON HOUSES EXPOSED TO HURRICANES	GSA_abstract.pdf

Author	Department	Category	Title	Abstract
Y. Bichiou, M. Ghommem A. Nuhait M. R. Hajj	ESM - Engineering Science and Mechanics	Engineering of Fluids, Solids, Materials and Chemical Processes	MODELING AND CONTROL OF UNSTEADY FLOWS PAST A ROTATING BLADE	GSA abstract N.pdf
Alireza Borhani Haghighi	ARCH - Architecture	Design	Setting the Scene of Water in Persian Landscape	GSA symposium 2011 - Alireza Borhani.pdf
Lei Pan Sunghwan Jung Roe-Hoan Yoon	MINE - Mining and Minerals Engineering	Engineering of Fluids, Solids, Materials and Chemical Processes	THINNING KINETICS OF WETTING FILM FORMED ON THE GOLD SURFACE TREATED WITH POTASSIUM AMYL XANTHATE	GSA-Abstract-2011.pdf
Megan M. Scibel	AEE - Agricultural and Extension Education	Other	Development of Peer Educators Within Paraprofessional Community-Based Adult Education Models: An Experiential Learning Perspective	2011 GSA Research Symposium experiential learning Seibel.pdf
Qing Yang Leigh McCue	AOE - Aerospace and Ocean Engineering	Engineering of Fluids, Solids, Materials and Chemical Processes	SPH Simulation of Fluid- structure Interaction Problems with Application to Air Cushion Vehicles	Abstract GSA Research Sy mposium Qing Yang.pdf
Abdul Gafoor Puthiyaveetil Bettina Heid Christopher Reilly David Caudell	BMVS - Biomed & Veterinary Sciences	Animal Science	The Leukemic Fusion Gene NUP98-HOXD13 Leads to Impaired Class Switch Recombination and Antibody Production	GSAABSTRACT .pdf
Devdutta Deb*, Ryan G. Anderson*, Shiv D. Kale**, Brett M. Tyler** and John M. McDowell*	PPWS - Plant Pathology , Physiology, and Weed	Biological Sciences	CHARACTERIZATION OF CONSERVED EFFECTOR PROTEINS FROM <i>Hyaloperonospora</i> <i>arabidopsidis</i> AND <i>Phytophthora sojae</i>	2011 GSA Symposium Abstract.pdf

Author	Department	Category	<u>Title</u>	<u>Abstract</u>
	Science			
Andrew Puhl	ARCH - Architecture	Arts	The Virginia Pole Barn: Understanding the Constructions of Place within Southwestern Virginia	Puhl GSA abstract.pdf
Giovanna Grandinetti, Theresa M. Reineke	CHEM - Chemistry	Interdisciplinary	Mechanisms of Plasmid DNA Nuclear Import for Polymer-based Therapeutic DNA Delivery Systems	G_Grandinetti_giova84.pdf
Daniel J. Buckwalter Theresa M. Reineke	CHEM - Chemistry	Physical Science	PEGylated and Non-PEGylated "Click Cluster" Nucleic Acid Delivery Vehicles for Targeted Delivery of Nucleic Acids to Glioblastoma Multiforme.	Poster Abstract-danbuck.pdf
Keyana C. Ellis Rick Rudd, PhD	AEE - Agricultural and Extension Education	Agriculture, Environment & Wildlife	The Road Towards Graduation: Using Tinto's Interactionalist Model of Student Departure to Qualitatively Assess Undergraduate First Year Experiences	Oral Poster Presentation Keyana Ellis 2011.pdf
Ganesh Balasubramanian Ishwar K. Puri Michael C. Boehm Frederic Leroy	ESM - Engineering Science and Mechanics	Other	Thermal conductivity reduction in isotope substituted nanomaterials	G_Balasubramanian_bganesh_Abstract4.pdf
Andrew Green Greg Berger Robert Pitman Carl Griffey Maria Balota Marla D. Hall Wynse Brooks John Seago	CSES - Crop and Soil Environmental Sciences	Agriculture, Environment & Wildlife	Historic Yield Improvements and Genetic Yield Components of Soft Red Winter Wheat	2011-2-25 Abstract for GSA-EWW.pdf
Atieh Haghdoost and Ranga	ME - Mechanics	Engineering of Fluids,	Modeling of microfabrication by	GSA_RS20110079.pdf

Author	Department	Category	Title	Abstract
Pitchumani	al Engineering	Solids, Materials and Chemical Processes	electrodeposition through a microscreen-based LIGA mold	
Stephanie N. Lewis Lera Brannan Amir J. Guri Pinyi Lu Raquel Hontecillas Josep Bassaganya-Riera David R. Bevan	GBCB - Gen, Bioinformatics, Comp Biol	Interdisciplinary	Dietary α -eleostearic acid ameliorates experimental inflammatory bowel disease by activating peroxisome proliferator-activated receptor- γ	GSA Symposium abstract SNL.pdf
Betsy Schroeder* Allan Dickerman** Nammalwar Sriranganathan*	BMVS - Biomed & Veterinary Sciences	Biological Sciences	USING PNA MOLECULES TO INHIBIT EPITHELIAL CELL INVASION BY SALMONELLA enterica ssp enterica serovar TYPHIMURIUM	B_Schroeder_bschroed.pdf
Vanessa D. Alphonse Andrew R. Kemper Steven Rowson Stefan M. Duma	BMES - Biomedical Engr & Sciences	Other	Eye Injury Risk Associated with Radio Control Helicopter Blade Impact	Alphonse_GSA2011.pdf
Olli-Pekka Kuusela	FOR - Forest Resources and Environmental Conservation	Agriculture, Environment & Wildlife	Changing Regimes and Tropical Deforestation: An Empirical Investigation	Kuusela_abstract_GSA.pdf
Cora Olson	STS - Science Technology Studies	Interdisciplinary	DETECTION PRACTICES AND POLICIES FOR ANABOLIC ANDROGENIC STEROIDS AMONG ELITE ATHLETES: HOW ANTI-DOPING POLICY AND DETECTION PRACTICES GENDER	coraolson_posterGSA.pdf

Author	Department	Category	Title	Abstract
Golnaz Taghvatalab	ECON - Economic sciences	Other	ELITE ATHLETES. UNDERSTANDING THE RISING AGE OF MARRIAGE IN RURAL IRAN	Abstract.pdf
Yaodong Yang Jianjun Yao Jiefang Li D.Viehland	0	Engineering of Fluids, Solids, Materials and Chemical Processes	BaTiO ₃ based two-phase composites nanorods	AB for GSA2011.pdf
Vaishnavi Srinivasaraghavan Jeannine Strobl Masoud Agah	ECE - Electrical & Computer Engineering	Interdisciplinary	A MEMS BIO-SENSOR FOR THE DETECTION OF HUMAN BREAST CANCER CELLS USING IMPEDANCE SPECTROSCOPY	GSA_Abstract2011_VaishnaviSrinivasaraghavan.pdf
Caitlin M. Cossaboom Laura Córdoba Barbara A. Dryman X.J. Meng	BMSP - Biomed Sci & Pathobiology	Biological Sciences	GENETIC IDENTIFICATION OF THE FIRST RABBIT STRAINS OF HEPATITIS E VIRUS IN THE UNITED STATES	GSAsymposium_abstract.pdf
Santanu Pal Tushar Kanti Mandal Shibabrat Naik Surojit Ghosh	ESM - Engineering Science and Mechanics	Engineering of Fluids, Solids, Materials and Chemical Processes	Study On The Workability and Strength Of FlyAsh Based Geopolymer Concrete	StudyontheworkabilityandstrengthofFly-AshbasedGeopolymerConcrete.pdf , Untitled attachment 00040.pdf
Stacey Bennett Natalie Hisdahl Daniela Cimini	BIOL - Biological Sciences	Biological Sciences	Role of microtubule poleward flux in correction of kinetochore mis-attachments.	Stacey_Bennett_Abstract_GSA 2011.pdf
Haeyong Chung Seungwon Yang Naveed Massjouni Christopher Andrews Rahul Kanna Chris North	CS - Computer Science	Other	VIZCEPT: SUPPORTING SYNCHRONOUS COLLABORATION IN INTELLIGENCE ANALYSIS	gsa_vizcept_chung.pdf

Author	Department	Category	Title	Abstract
Risa R. Pesapane* Kathleen A. Alexander* Monica A. Ponder**	FIW - Fisheries and Wildlife Science	Agriculture, Environment & Wildlife	Tracking Pathogen Transmission at the Human-Wildlife Interface: Banded Mongoose (<i>Mungos mungo</i>) and <i>Escherichia coli</i> as a Model System in Chobe, Botswana	GSA Abstract.pdf , GSA Abstract_Risa.pdf , GSA Abstract.pdf
Susan Mirlohi Andrea M. Dietrich Susan E. Duncan	CEE - Civil and Environmental Engineering	Human Health	Human Variation in Sensory Detection of Metallic Flavor in Drinking Water and its Relationship to Olfactory Functions	Mirlohi, Poster Abstract, GSA Symposium, 02-25-11.doc
Shibabrat Naik Himadri Pai Mazumdar	ESM - Engineering Science and Mechanics	Other	Group theoretic approach to the analysis of boundary layer flow over shrinking sheet with suction	Grouptheoreticapproachtoboundarylayerequation.pdf , Grouptheoreticapproachtoboundarylayerequation.pdf
Ruba Alajlouni Daniel Capelluto	BIOL - Biological Sciences	Biological Sciences	Lipid-mediated membrane binding properties of Disabled-2	Ruba Alajlouni Abstract GSA 02-25-2011.pdf
James Stagge Glenn Moglen	CEE - Civil and Environmental Engineering	Engineering of Fluids, Solids, Materials and Chemical Processes	Optimization of Multi Reservoir Operating Rules Using Genetic Algorithms	Optimization of MultiReservoir Operating Rules using Genetic Algorithms - J Stagge.pdf
Antons Sizovs, Adam Smith, Theresa Reineke	CHEM - Chemistry	Interdisciplinary	DEVELOPMENT OF TREHALOSE-BASED POLYMERS AS STEALTH COATING FOR NANOPARTICLES IN BIOMEDICAL APPLICATIONS	sizovs.pdf
M. A. Karami D. J. Inman	ESM - Engineering Science and	Algorithms, Modeling and Simulation	EXPERIMENTAL STUDY OF THE OF THE NONLINEAR HYBRID ENERGY HARVESTING SYSTEM	MA Karami karami Oral.pdf

Author	Department	Category	Title	Abstract
M. A. Karami D. J. Inman	Mechanics ESM - Engineering Science and Mechanics	Algorithms, Modeling and Simulation	NOVEL APPROXIMATION METHOD FOR ANALYTICAL STUDY OF THE NONLINEAR HYBRID ENERGY HARVESTING SYSTEM	MA_Karami_karami_Poster.pdf
Zaki Hasnain Dr. Romesh C. Batra	ESM - Engineering Science and Mechanics	Algorithms, Modeling and Simulation	FABRICABLE NANOELECTROMECHANICAL DEVICES	Fabricable Nanoelectromechanical Devices.pdf
Kacie Allen Jamie Zoellner, PhD Monica Motley, MS Paul Estabrooks	HNFE - Human Nutrition, Foods, and Exercise	Human Behavior	Understanding the internal and external validity of health literacy interventions: a systematic literature review using the RE-AIM framework	GSASymposiumAbstract_Al lenK.pdf
Bijoy Antony Jose Jason Pribble Sandeep K Shukla	ECE - Electrical & Computer Engineering	Algorithms, Modeling and Simulation	EMCODESYN: EMBEDDED CODE SYNTHESIS FOR SAFETY CRITICAL APPLICATIONS	Poster-EmCodeSyn.pdf
Astha [1] Qiao-Hong Chen [1] Dawn M. Wong [1] James Mutunga [2] Jeffrey R. Bloomquist [3] Paul R. Carlier [1]	CHEM - Chemistry	Other	Exploring smaller aromatic heterocycles as core structures in AChE inhibitors to combat insecticide resistance in <i>Anopheles gambiae</i>	Abstract_Astha.pdf
David Thornblad Kacie Allen Stephen Edwards Chaney Mosley Krista Hartley	HNFE - Human Nutrition, Foods, and Exercise	Design	Course Management Systems and the College Freshman: A Qualitative Study	GSASymposiumAbstract_T hornbladD.pdf

Author	Department	Category	Title	Abstract
Terry L. Price Jr. Daniel Schoonover Harry W. Gibson	CHEM - Chemistry	Physical Science	FUNCTIONALIZATION OF HIGHLY EFFICIENT HOSTS & THEIR APPLICATIONS IN PSEUDOROTAXANE- BASED MACROMOLECULAR SELF-ASSEMBLY SYSTEMS	AbsGSAConfTP hwg.pdf
Alireza Salmanzadeh- Dozdabi Yahya Hosseini Hodjat Pendar Masoud Agah Jake J Socha Rafael V Davalos Mark A Stremler	ESM - Engineeri ng Science and Mechanic s	Interdiscipli nary	Investigation of the Mechanisms of Flow Control in an Insect Respiratory System	Alireza_SalmanzadeDozdabi _Abstract.pdf
Nikolaos Artavanis	FIN - Finance, Insurance, and Business	Other	On the Estimation of Downside Beta	nartavan_oral.pdf
Quentin Stoeffler	AAEC - Agricultur al and Applied Economic s	Agriculture, Environmen t & Wildlife	Interaction between agricultural production and market conditions in Burkina Faso	research symposium abstract Quentin Stoeffler.pdf
Parks, Serena L Almedia, Fabio Estabrooks, Paul	HNFE - Human Nutrition, Foods, and Exercise	Human Health	Using Interactive Voice Response Technology to Support Physical Activity Goal Setting	Parks.GSA 2011.pdf
Annie R. Pearce Sandeep Langar Christine M. Fiori Chayanika Mitra Kathleen M. Short	EDP - Environm ental Design and Planning	Other	A BENCHMARKING SYSTEM FOR SUSTAINABLE PRACTICE THROUGH STUDENT INTERNSHIPS	Abstract_2.pdf
Alperen N.Ketene Eva M.Schmelz	ME - Mechanic	Biology in Engineering	Study of the Effects of Cancer on Ovarian Cell	GSA symposium 2011 poster

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Paul C.Roberts Masoud Agah	al Engineeri ng		Viscoelasticity via AFM	submission_anketene.pdf
Katie Barrow, M.S. Nancy Brossoie, Ph.D. Karen Roberto, Ph.D.	HD - Human Developm ent	Interdiscipli nary	Participatory Journalism and Perceptions of Late Life IPV	GSA 2011 Abstract
Mehran Tehrani Marwan S. Al-Haik	ESM - Engineeri ng Science and Mechanic s	Engineering of Fluids, Solids, Materials and Chemical Processes	EFFECT OF MODERATE MAGNETIC ANNEALING ON THE MICROSTRUCTURE, QUASI-STATIC AND VISCOELASTIC MECHANICAL BEHAVIOR OF A STRUCTURAL EPOXY	GSA 27th Annual Research Symposium.pdf
Sarah H Holt 1,2 Yinghui Dan 1,2 Vladimir Shulaev 3 Richard E Veilleux 1	HORT - Horticul ture	Biological Sciences	Flower and Fruit Developmental Defects Caused by a Spontaneous DNA Deletion in a SEPALLATA3-like Gene in Fragaria vesca	VT GSA research symposium 022511.pdf
Lauren Bayliss	COMM - Communi cation	Arts	Honduras and the Scene of the Crisis	Bayliss_HondurasScene_abs tract.pdf
Alondra Izquierdo- Roman William C. Vogt Christopher G. Rylander, Ph.D.	BMES - Biomedic al Engr & Sciences	Other	MECHANICAL TISSUE OPTICAL CLEARING TECHNIQUE INCREASES IMAGING RESOLUTION AND CONTRAST THROUGH EX VIVO PORCINE SKIN	Izquierdo-Roman_GSA Sym 2011 Poster Abstract.pdf
Alek Duerksen Erik Westman	MINE - Mining and Minerals Engineeri ng	Other	A Feasibility Analysis of Wind Power as an Alternative Post-mining Land Use in Surface Coal Mines in West Virginia	A_Duerksen_duerksen.pdf
Somayesadat Badiéyan	BSE - Biological	Biology in Engineering	Study and Design of Stability in GH5 Cellulases	Somayesadat_Badiéyan.pdf

Author	Department	Category	<u>Title</u>	Abstract
David R. Bevan Chenming Zhang	Systems Engineering		Regulating the Environment by Engineering Regulation: CHES	
Jongmin Lee	STS - Science Technology Studies	Interdiscipli nary	Controversy and the Naturalization of Monitoring, 1970-1979	J_Lee_jongmin.pdf
Yinlin Chen	CS - Computer Science	Other	Aggregate Computing Educational Resources in Social Interactive Environment	Yinlin_Abstract.pdf
Valquiria F. Quirino Randolph H. Wynne John R. Seiler Valerie A. Thomas	FOR - Forest Resources and Environm ental Conservat ion	Other	UPSCALING FROM POINT TO PLOT- LEVEL: CONTRIBUTION OF REMOTE SENSORS AND IN SITU MEASUREMENTS TO SOIL RESPIRATION ESTIMATES	Quirinoet.al2011_4.pdf , Quirinoet.al2011_4_correcte dbyVT.pdf
Mehdi Kargar Ji Wang Amrinder S. Nain Bahareh Behkam	0	Biology in Engineering	Nanofibrous Engineered Surfaces for Study of Bacterial Adhesion and Biofilm Formation	GSA_RS20110108.pdf , GSA_RS20110108.pdf
Christine Calorusso	LAR - Landscape Architecture	Design	Rethinking the Role of the Landscape in Historic Interpretation: A Case Study of Follow the North Star	Calorusso_PosterAbstract.pdf
Michele James- Deramo	ASPT - Allnce Soc, Pol, Eth, & Cltrl	Interdiscipli nary	Discerning Transformative Moments During the Refugee Trajectory: An Ethnographic Study of One Woman's Experience	GSA.ResearchOralPres.pdf
Elyana Javaheri	UAP - Urban Affairs and Planning	Other	The Impact of Contemporary Architecture on Historic Urban Fabrics in Spain and Portugal	Elyana-Javaheri- GSA2011.pdf



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Keynote Speaker

About the keynote speaker:

Carol Kaesuk Yoon, an eminent researcher and Science writer with the New York Times since 1992, a doyen in the field of Ecology and Evolutionary Biology, is one interesting personality. This distinguished scientist has been sharing her knowledge through her exciting writing, encapsulating her adventures as a researcher. To highlight some of her articles in the New York Times, "To catch a Snake, grab the end that bites" talks about her anaconda capturing exploits, "Of Drunken Elephants, Topsy Fish and Scotch with a Twist" gives an account of research in the field with a quirky vein. Author of two books, "Naming Nature – The clash between Instinct and Science", and "Discover Biology" (Co-authored with Michael Cain, Hans Damman, Robert Lue and Anu Singh-Cundy), her work is critically acclaimed.

Carol was raised in Massachusetts; where she went to the local public school, and later went on to do her BS in Biology at Yale, which she finished with magna cum laude (high honors). She was awarded the Boell Prize for Excellence in Biology at Yale. Contrary to her parents' hope that she would go to medical school, she pursued research, graduating with a PhD in Ecology and Evolutionary Biology from Cornell University, in 1991. She went on to become a Science Writer, which she soon fell in love with. She has authored hundreds of articles in the New York Times, as well as in the Washington Post, Los Angeles Times and many more.

To highlight a few of her distinguished achievements, Carol was awarded the Chase-Coggins Wilderness exploration Fellowship at Yale College. A National Science Foundation Graduate Fellow, she was awarded the Mass Media Science and Engineering Fellowship by the American Association for the advancement of Science. Carol has actively promoted woman in science, she suggests in one of her articles, that canopy-scientist Barbie dolls could be a way to excite and inspire young girls to think a career in science.

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Oral Presentations 1st Place, by Self-Selected Category

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Balasubramanian, Ganesh	Oral Presentation	1st Place	\$500.00
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Karami, M. Amin	Oral Presentation	1st Place	\$500.00
Kuusela, Olli-Pekka	Oral Presentation	1st Place	\$500.00
Moore, Jonathan	Oral Presentation	1st Place	\$500.00
Sizovs, Antons	Oral Presentation	1st Place	\$500.00
Tehrani, Mehran	Oral Presentation	1st Place	\$500.00
Voigt, Elizabeth	Oral Presentation	1st Place	\$500.00
Allen, Kacie	Oral Presentation	1st Place	\$500.00

Oral Presentations 2nd Place, Overall

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Kronprasert, Nopadon	Oral Presentation	2nd Place	\$250.00
Novak, Vera	Oral Presentation	2nd Place	\$250.00
Pesapane, Risa	Oral Presentation	2nd Place	\$250.00
Stagge, James	Oral Presentation	2nd Place	\$250.00

Advanced Undergraduate Presentation

Javaheri, Elyana	Poster Presentation	1st Place	\$250.00
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