

Division Poster Session - Tuesday, June 28, 2011 - 4:00pm-6:00pm

Division	First_name	Last_name	Poster Number	Paper Number	Paper Title
Biological & Agricultural Poster Session	Nehal	Abu-lail	2.	AC 2011-2286	A Step Towards the Development of a Wet Cellular Bioengineering Laboratory
Civil Engineering Poster Session	Haluk	Aktan	3.	AC 2011-1363	Industry University Partnership in Senior Capstone Design Course
Civil Engineering Poster Session	James	Bowen	4.	AC 2011-1366	Combining Hands-On Design, Engineering Analysis, and Computer Programming in a Freshman Civil and Environmental Engineering Course
Civil Engineering Poster Session	Robert	Mokwa	5.	AC 2011-779	X-Ray Computed Tomography: A New Pedagogical Tool for Studying Micro and Macro Geomaterial Properties
Civil Engineering Poster Session	Lauren	Seabury	6.	AC 2011-1476	Connecting Student Experiences with Concepts and Principles of Fluid Mechanics
Civil Engineering Poster Session	John	Tocco	7.	AC 2011-2761	Re-Engineering the Capstone: Melding an Industry Oriented Framework and the BOK2
Civil Engineering Poster Session	Ronald	Welch	8.	AC 2011-1019	Addressing Professional Practice Issues within the Curriculum
Civil Engineering Poster Session	Christianna	White	9.	AC 2011-2579	An Engineering Approach to Writing: A Pilot Program for Civil Engineering Graduate Students
Computers in Education Poster Session	Frank	Fisher	10.	AC 2011-1293	Work in Progress: Virtual Research Experiences for Undergraduates in Nanotechnology (VREUN)
Computers in Education Poster Session	Keith	Garfield	11.	AC 2011-1631	Work in Progress: The Study Buddy, a Virtual Tutorial Agent
Computers in Education Poster Session	Virgilio	Gonzalez	12.	AC 2011-1126	Work in Progress: Analysis of Mobile Technology Impact on STEM-Based Courses, Specifically Introductions to Engineering in the Era of the iPad
Computers in Education Poster Session	Guido	Lopez	13.	AC 2011-1056	Work in Progress: Distance teaching of Thermodynamics with Adobe Connect and dedicated Engineering Software
Computers in Education Poster Session	James	Riddell	14.	AC 2011-1487	Work in Progress: Using Social Media to Build and Grow an Engineering Community on a Small Campus
Computers in Education Poster Session	Timothy	Ropp	15.	AC 2011-911	Work in Progress: Incorporating Pervasive Computing Concepts into an Aircraft Maintenance Job Task Card System
Computers in Education Poster Session	Chris	Small	16.	AC 2011-1155	Work in Progress: Virtual Outreach: Facilitating the Transition to University Study
Computers in Education Poster Session	Neelam	Soundarajan	17.	AC 2011-1047	Work in Progress: Collaborative and Reflective Learning in Engineering Programs
Computers in Education Poster Session	Chi	Thai	18.	AC 2011-214	Work in Progress: Development of a Senior Level Robotics Course for Engineering Students
DEED Poster Session	Robert	Avanzato	19.	AC 2011-2029	Use of Power Wheels® Car to Illustrate Engineering Principles
DEED Poster Session	Marvin	Blackman	20.	AC 2011-723	Counterbalanced Transportation: It is a Design that will Attempt to Keep the Load Stable No Matter the Inclination of the Terrain
DEED Poster Session	Nabila	Bousaba	21.	AC 2011-1458	Keys to Success in the IEEE Hardware Competition
DEED Poster Session	Chao	Chen	22.	AC 2011-439	Design of a Wireless Sensor and Actuator Network for Energy Management at Home
DEED Poster Session	Amy	Cook	23.	AC 2011-1556	Towards an Artificial Bullfrog: Development of a Kinetically Realistic, Articulated Skeletal Model
DEED Poster Session	Manuel	Hernandez	24.	AC 2011-1102	Implementation of an Integrated Product Development (IPD) Competition in a Rural Dominican Community: Lessons Learned
DEED Poster Session	Daniel	Jensen	25.	AC 2011-741	A Portability Rubric Applied to the Redesign of a Solar Power Generation System
DEED Poster Session	Chih-Hsiung	Ku	26.	AC 2011-174	New Prototype Design Process: Integrating Designing Around Existing Patents and the Theory of Inventive Problem-Solving
DEED Poster Session	Kimberly	Lau	27.	AC 2011-2331	A Cross-National Investigation of Confidence in ABET Skills and Kolb Learning Styles: Korea and the United States
DEED Poster Session	Wael	Mokhtar	28.	AC 2011-973	Project-Based Learning (PBL): An Effective Tool to Teach an Undergraduate CFD Course
DEED Poster Session	Harry	Santoso	29.	AC 2011-521	A Preliminary Study of Conducting Semi-Structured Interview as Metacognitive Assessment in Engineering Design: Issues and Challenges
DEED Poster Session	AnnMarie	Thomas	30.	AC 2011-899	Roles in the Design Process: A Survey of Engineering and Industrial Design Educators
ECCD Poster Session	Simon	De Los Rios	31.	AC 2011-420	Virtual Power Producers and Distributed Generation in Energy Trading Markets: An Approach to the Integration of Renewable Energy in Latin America
ECCD Poster Session	Jaime	Ramos	32.	AC 2011-256	Commissioning a 5 kW PV Array for Electrical Engineering University Curriculum
ECE Division Poster Session	Aikaterini	Bagiati	33.	AC 2011-1715	Third Graders Experience on Using an Autodidactic Programming Software: A Phenomenological Perspective
ECE Division Poster Session	Christopher	Greene	34.	AC 2011-754	Digital Design Meets DSP
ECE Division Poster Session	Mustafa	Guvench	35.	AC 2011-2264	"MUMPs" Multi-User-MEMS-Processes as Teaching and Design Tools in MEMS Instruction
ECE Division Poster Session	Johnnie	Hancock	36.	AC 2011-2914	Evaluating Oscilloscope Sample Rates vs. Sampling Fidelity
ECE Division Poster Session	Sarah	Hug	37.	AC 2011-673	Work in Progress: Recruiting Computing Students Through IN-COMMAND CS-0: An Introduction to COMputing through Mobile Application Development
ECE Division Poster Session	Mariusz	Jankowski	38.	AC 2011-2172	Recent Advances in Computational Technology in the Classroom
ECE Division Poster Session	Tokunbo	Ogunfunmi	39.	AC 2011-1962	Concept Inventory Assessment Instruments for Circuits Courses
ECE Division Poster Session	Kevin	Pintong	40.	AC 2011-532	Transitioning a Lab-Based Course to an Online Format
ECE Division Poster Session	Nader	Rafia	41.	AC 2011-2475	Teaching Digital Systems Verification Methodologies using SystemVerilog
ECE Division Poster Session	Heinz	Schmidt-Walter	42.	AC 2011-2853	DETECT: Design Entrepreneurship Technology Engineering Collaboration Transatlantic Project
ECE Division Poster Session	Nuri	Yilmazer	43.	AC 2011-1446	A Project-Based Hands-On Digital Logic Course
ELD Poster Session	Larry	Thompson	44.	AC 2011-504	The Hybrid Reference Desk: Changing Strategies for Changing Times
ELD Poster Session	James	Van Fleet	45.	AC 2011-529	The Visualization of Database Search Results
ELOS Poster Session	Sergey	Makarov	46.	AC 2011-192	A Laboratory Project Introducing Basic Microprocessor Hardware and Software for an Introductory Undergraduate ECE Class for Non-Majors
ELOS Poster Session	David	Zietlow	47.	AC 2011-2498	Optimal Design of a Pump and Piping System
Engineering Mathematical Potpourri	Norma	Hodges	48.	AC 2011-842	A Preliminary Investigation of Using Writing as a Critical Thinking Tool
Engineering Mathematical Potpourri	John	Schmeelk	49.	AC 2011-279	Edge Detectors in Image Processing
Engineering Technology Design I	Charles	Drake	50.	AC 2011-1759	A Low-Cost Project Course to Enhance Learning in a Statics and Strength of Materials Course
Engineering Technology Design I	Robert	Edwards	51.	AC 2011-2118	Mini-Projects as Part of a Freshman Seminar For Mechanical Engineering Technology Students
Engineering Technology Design I	Gene	Harding	52.	AC 2011-1196	EET Project Session in a Project Lead the Way Conference for Local High School Students
Engineering Technology Design I	Carlos	Morales	53.	AC 2011-2345	Implications of Publishing eBooks on PCs and Mobile Devices for Engineering Technology Educators
Engineering Technology Design I	Carlos	Ortiz	54.	AC 2011-2819	Providing Technical Flexibility to a Civil Engineering Technology Program
First-year Programs Division Poster Session	Ibibia	Dabipi	55.	AC 2011-453	General Aviation Airport Layout and Design: A Cross-Discipline Exercise in Design Management for Freshman Engineering Students.
First-year Programs Division Poster Session	Kirsten	Davis	56.	AC 2011-337	Using No-Stakes Quizzing for Student Self-Evaluation of Readiness for Exams
First-year Programs Division Poster Session	Carla	Egelhoff	57.	AC 2011-1272	Recruiting and Retention of Engineering Students: Using a One Year Scholarship at Two-Year Partner Schools
First-year Programs Division Poster Session	Chitra	Javdekar	58.	AC 2011-1737	High-Tech Tools for Freshman Engineers
First-year Programs Division Poster Session	Abulkhair	Masoom	59.	AC 2011-1874	Effect of Math Competency on Success in Engineering Science Courses
First-year Programs Division Poster Session	Richard	Miller	60.	AC 2011-1813	Engineering Enrollment Retention Improvement by Application of the Wright State Mathematics Education Model
First-year Programs Division Poster Session	Lisa	Pruitt	61.	AC 2011-300	Introduction to Engineering Design for Freshman: Implementation of Leadership and Service Learning for Broadening Engineering Ingenuity
First-year Programs Division Poster Session	Ghada	Salama	62.	AC 2011-1055	Using Peer Evaluation to Assess Individual Performance in Team Projects for Freshmen Engineering Students in the Middle East
First-year Programs Division Poster Session	Kristi	Shryock	63.	AC 2011-1123	Preparing Engineering Students to Take a Calculus Course: An Engineering-Oriented Approach
First-year Programs Division Poster Session	Ding	Yuan	64.	AC 2011-1890	A Learning Community for First-Year Engineering Courses
Graduate Studies Poster Session	Dan	Budny	65.	AC 2011-829	Public Speaking, Leadership, and Engineering

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International Poster Session	Alireza	Rahrooh	66.	AC 2011-987	Application of Micro Computers in Design of Self-tuning Controllers
K-12 and Pre-College Engineering Poster Session	Chris	Deckard	67.	AC 2011-1577	Poster-Breathing Life into the Science Fair Process
K-12 and Pre-College Engineering Poster Session	Terence	Fagan	68.	AC 2011-808	Providing Opportunities for High School Competition Team: U.S. FIRST Robotic Competition Initiative for Home Schooled Students
K-12 and Pre-College Engineering Poster Session	Melanie	Ford	69.	AC 2011-1949	Introduce Engineering to 6th Graders via "Speed Dating"
K-12 and Pre-College Engineering Poster Session	Vikram	Kapila	70.	AC 2011-1871	Enriching K-12 Math Education Using LEGOs
K-12 and Pre-College Engineering Poster Session	Greg	Murray	71.	AC 2011-1098	Using the Principles of Manual Training to Perform STEM Outreach for Urban Youth
K-12 and Pre-College Engineering Poster Session	David	Rethwisch	72.	AC 2011-468	A Longitudinal Evaluation of Project Lead The Way in the State of Iowa
K-12 and Pre-College Engineering Poster Session	Carol	Shields	73.	AC 2011-1238	Using Engineering Activities to Support Communication and Collaboration Skills in a Special Needs Classroom
K-12 and Pre-College Engineering Poster Session	Charles	Standridge	74.	AC 2011-195	Stimulating K-12 Student Interest through Industry, Engineering College and K-12 School Partnerships
K-12 and Pre-College Engineering Poster Session	Ramakrishnan	Sundaram	75.	AC 2011-3	Engage K-12 Students in Electrical and Computer Engineering (ECE): Outreach with K-12 STEM Schools Through ECE Project Activities
K-12 and Pre-College Engineering Poster Session	Shamsnaz	Virani	76.	AC 2011-1042	Work in Progress: Designing an Innovative Curriculum for Engineering in High School (ICE-HS)
Liberal Education Poster Session	Smitesh	Bakrania	77.	AC 2011-1373	Getting Students Prepared to Present Well
Manufacturing Poster Session	Craig	Evers	78.	AC 2011-1493	An Application-Based Graduate Course in Advanced Quality Tools
Manufacturing Poster Session	Pavel	Ikononov	79.	AC 2011-2100	Three Dimensional Surface Model from Laser Scanning of Proving Ground Road
Manufacturing Poster Session	R.	Radharamanan	80.	AC 2011-2913	Design and Development of a 3D Printer with Recycling System
Manufacturing Poster Session	Robert	Simoneau	81.	AC 2011-1271	Virtual Ideation Platform and Entrepreneurship
Manufacturing Poster Session	Daniel	Waldorf	82.	AC 2011-1858	Responding to Emergencies Using Local Industry: Service Learning with Manufacturing Engineers
Multidisciplinary Poster Session	Waddah	Akili	83.	AC 2011-299	Implementation of Cooperative Learning Strategies in the Arab Gulf States: What? How? When?
Multidisciplinary Poster Session	C.S.	Chen	84.	AC 2011-23	An Multidisciplinary Energy Based Curriculum
Multidisciplinary Poster Session	Renat	Letfullin	85.	AC 2011-523	Medical Physics Curriculum for Undergraduate Engineering Students
Multidisciplinary Poster Session	Masoud	Naghedolfeizi	86.	AC 2011-2059	Engaging Computer Science Students in Electro-Mechanical Engineering Projects
Multidisciplinary Poster Session	Karthikeyan	Natesan Ramamurthy	87.	AC 2011-219	J-DSP/ESE Laboratories for Analyzing Climate Change
Multidisciplinary Poster Session	Willard	Neel	88.	AC 2011-2317	A Multidisciplinary Investigation into Various Possible Geometries of Imperial Roman Artillery: A Case Study
Multidisciplinary Poster Session	Lauren	Thomas	89.	AC 2011-1135	An Overview of U.S. Optics Programs
Multidisciplinary Poster Session	Lawrence	Whitman	90.	AC 2011-1411	The Engineer as Leader" Course Design and Assessment
Physics Poster Session	Bala	Maheswaran	91.	AC 2011-292	A Study of Physics-Based Problem Solving Approaches in the Freshmen Engineering Course
Systems Engineering Division Poster Session	Adeel	Khalid	98.	AC 2011-2132	Application of System Selection Tool to Traffic Congestion in Metro Atlanta: A Case Study
WIED Poster Session	Ronald	Bennett	99.	AC 2011-145	Developing Leadership Attitudes and Skills in Working Adult Women Technical Graduate Students: Research Interview Results with Alumni
WIED Poster Session	Natalie	Fabert	100.	AC 2011-704	Exaggerating the Typical and Stereotyping the Differences: Isolation Experienced by Women in STEM Doctoral Programs
WIED Poster Session	Lisa	Frehill	101.	AC 2011-2430	Moving Beyond the Double-Bind: WIE and MEP Programs and Serving the Needs of Women of Color in Engineering
WIED Poster Session	Emiko	Hirose Horton	102.	AC 2011-610	Increasing the Number of Women in Engineering at Universities and Colleges in Japan
WIED Poster Session	Beth	Holloway	103.	AC 2011-1382	Women as the Miner's Canary in Undergraduate Engineering Education
WIED Poster Session	Jennifer	Karlin	104.	AC 2011-2242	Intentions and Expectations are not Enough: The Reality of Organizational Improvement and Mentoring Programs
WIED Poster Session	Jorja	Kimball	105.	AC 2011-63	Women and Time to Completion of an Engineering Baccalaureate at Texas A&M University
WIED Poster Session	Maria	Larrondo-Petrie	106.	AC 2011-1262	Gender and Engineering in the Americas: A Preliminary Study in 2010, the Inter-American Year of Women
WIED Poster Session	Mara	London	107.	AC 2011-1836	Development of a Study Abroad Experience in Africa as a Recruitment and Retention Tool for Women in Engineering
WIED Poster Session	Lorelle	Meadows	108.	AC 2011-1319	The Effect of Skewed Gender Composition on Student Participation in Undergraduate Engineering Project Teams
WIED Poster Session	Myongsok	Oh	109.	AC 2011-1680	Effect of the Group Culture on the Leadership Opportunities for Female Engineering Students in Korea
WIED Poster Session	Aura	Paloheimo	110.	AC 2011-1053	Pathways to Male-Dominated Engineering Programs
WIED Poster Session	Joseph	Rencis	111.	AC 2011-1486	Recruitment Strategies for Gender Equity: Lessons from Cohort 1 and Cohort 2 ADVANCE Institutions
Poster Sessions for Unit Operations Lab Bazaar and Tenure-Track Faculty			112		
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Multidisciplinary Poster Session	Ahmed	Megri	133.	AC 2011-2599	A Scale Dynamic Model for Fire Protection Education
Multidisciplinary Poster Session	Ahmed	Megri	134.	AC 2011-2742	Architectural Engineering Curriculum: Integration of Architecture and Architectural Engineering
WIED Poster Session	Enrique	Palou	135.	AC 2011-1508	Understanding Mexican Faculty Descriptors of Engineering Using Metaphors to Help Explain Gendered Boundaries
Biological & Agricultural Poster Session	Enrique	Palou	136.	AC 2011-1541	Analysis of the Implementation of the How People Learn Framework Through Direct Classroom Observation in Selected Food Engineering Courses
International Poster Session	Gholam	Shaykhian	137.	AC 2011-2828	A Semantic and Cultural Study of Animal Expressions in English and Persian
International Poster Session	Gholam	Shaykhian	138.	AC 2011-2829	Contrastive Analysis of Dog Expressions in English and Persian
Computers in Education Poster Session	David	Whittinghill	139.	AC 2011-2036	Work in Progress: Educational Effectiveness of Implicit Course Content Embedded within Commercial Video Games
Computers in Education Poster Session	David	Whittinghill	140.	AC 2011-2064	Work in Progress: 3D Stereoscopic Visualization as a Tool for Teaching Astronomy Concepts

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Corporate Members Council Poster Session: Featuring the Three Award Winners			141		
Corporate Members Council Poster Session: Featuring the Three Award Winners			142		
Corporate Members Council Poster Session: Featuring the Three Award Winners			143		