

**Presentation/Workshop Parallel MORNING Sessions (Olin Hall)**

Olin 218	Olin 155	Olin 145	Olin 165	Olin 216
A new kind of recitation, a pyramid scheme. Andy Ruina, PhD. Cornell University	Factors hampering innovation in engineering education: Insights from sustainable new product development projects. Mingtao Wu; Syracuse University	Cancer Researchers Collaborate with Patients and Survivors to Forge Campus-Community Partnerships in Biomedical Science and Engineering. Peter DelNero et al. Cornell University	Incoming teaching paper: hp	Incoming teaching paper
Nanotechnology Research and Teaching Initiative at Inter American University of Puerto Rico, Bayamon Campus--IAUPRBC. Nedim Vardar, PhD, et al. Interamerican University of Puerto Rico	Strategy to Increase Peer-to-Peer Engagement in Active, Collaborative Problem-solving Sections for First-Year Calculus. Hadas Ritz, PhD; Lisa Schneider Bentley, PhD. Cornell University	Focusing on the Family: Engineering Outreach Targeting Rural High School Females and their Parents. Victoria C Sorg et al. Cornell University	Strategies for Promoting Active Learning in a Large Required Introductory Thermodynamics Course. Elizabeth M Fisher, PhD; Kathryn Dimiduk, PhD. Cornell University	Teaching of ARM Controller. Ramesh S Gaonkar, PhD. Indian Institute of Technology
Student Adaptation to the Modular Use of the Flipped Classroom in an Introductory Biomedical Engineering Course. John Foo et al. Cornell University	Dimensioning Strategy for Introductory Computing Graphics Students. John F Longwell, PhD. Corning Community College	Peers Empowering Peers. Amanda Abrew; Melanie Villatoro et al. NYC College of Technology	Comparison of using MATLAB and NASTRAN for vibration analysis. Cyrus K Hagigat, PhD. University of Toledo	WORKSHOP
A New Model for an Integrated Engineering Technology Education. Rebecca K LaForest et al. SUNY Polytechnic Institute	Preparing undergraduate teaching assistants for success. K. Y. Daisy Fan, PhD. Cornell University	The Electric Piano. Dimitri P Papazoglou et al. Vaughn College of Aeronautics and Technology	Teaching the Operation of Planetary Gear Trains and Automatic Transmission Systems. Mark Davis, Mehrdaad Ghorashi, PhD. University of Southern Maine	
The Role of Play in Elementary Engineering Education. Lora Hine. Cornell University	Blended learning: effectiveness in energy balance course. Konstantinos Apostolou, PhD. McMaster University	Physics Bus: A Science and Engineering Playground. Eva Luna. Cornell University	A Simple Experiment to Enhancing Student Learning of Pressure in Fluid Power Course. Liyong Sun, PhD, Robert Edwards. Penn State Erie	

**Presentation/Workshop Parallel AFTERNOON Sessions (Olin Hall)**

Olin 218	Olin 155	Olin 145	Olin 165	Olin 216
<p><b>An Approach to Implementing an Information Literacy Plan and its Relation to Assessing ETAC of ABET Student Outcome Criteria f, g, and h.</b> Lisa A Raab. Erie Community College</p>	<p><b>The goals and motivations of international students: implications for research mentorship practices.</b> Michelle T Tong, PhD. Cornell University</p>	<p><b>Project: Analysis, Construction, and Testing of a Regulated Power Supply</b> Stephanie Goldberg, PhD. Buffalo State College</p>	<p><b>On The Performance of Underwater Acoustic Sensor Networks: An Experimental Approach.</b> Paul Cotae, PhD et al. The University of the District of Columbia</p>	<p><b>Extending Engineering and Technical Assistance to Local Highway Agencies.</b> David Orr. Cornell University</p>
<p><b>Flipping the Library Classroom.</b> Jill H Powell, Kathryn Dimiduk, PhD. Cornell University</p>	<p><b>Transactions On Techniques In STEM Education.</b> Woodrow W Everett, PhD. Onondaga Community College</p>	<p><b>Virtual Cross-Institution Student Design Collaboration.</b> John J Earshen, PhD; Steve Macho PhD. SUNY Buffalo State</p>	<p><b>Introductory Cybersecurity Education using Packet Sniffing on an Instant Messaging Service.</b> Aparicio Carranza, PhD et al. NYC College of Technology CUNY</p>	<p align="center"><b>WORKSHOP</b></p>
<p><b>Teaching Ethics in a Course for First Year Engineering Students.</b> Jan DeWaters, PhD; John Moosbrugger PhD. Clarkson University</p>	<p><b>Gender Disparity in the Completion of Engineering PhDs.</b> Linda J Tompkins. Cornell University</p>	<p><b>Integrative Approaches in Teaching the Civil Engineering Senior Design Capstone Project Course.</b> Hossein Ataei, PhD. Syracuse University</p>	<p><b>Lignocellulosic Biorefinery: Theory and Practice at the SUNY-ESF Department of Paper and Bioprocess Engineering.</b> Biljana Bujanovic, PhD. SUNY College of Environmental Science and Forestry</p>	
<p><b>High Context Communication Instruction for Pre-Professional Engineers.</b> Michael J Frasciello, PhD. Syracuse University</p>	<p><b>Bringing Engineering for Sustainability to Life: Designing and Building a Biodigester at a Tribal School in Rural India.</b> Julie Nucci, PhD. Cornell University</p>	<p><b>The Development and Evolution of the Engineering Design Process in Engineering Education: From Sustainability towards Resilience.</b> Ryan J Milcarek et al. Syracuse University</p>	<p><b>Autonomous People Mover.</b> Jessica L VanGiesen et al. Rochester Institute of Technology</p>	