

ASEE Middle Atlantic Presentation Schedule
November 15, 2014

<u>Time</u>	<u>Session IA</u>	<u>Session IB</u>
9:35 – 9:55	Ochia	Frederick
9:55 – 10:15	Clyne	Prasad
10:15 – 10:35	Li and Satyanarayana	Woleslagle
10:35 – 10:55	Moses and Petullo	Singh and Moncada

<u>Time</u>	<u>Session IIA</u>	<u>Session IIB</u>
11:05 – 11:25	Simon	Fisher, Besser, et. al.
11:25 – 11:45	Latson, Jackson, et. al.	Harris, Bronner
11:45 – 12:05	Kabalan	Solderitsch
12:05 – 12:25	Park	Silage

<u>Time</u>	<u>Session IIIA</u>	<u>Session IIIB</u>
2:00 – 2:20	Jackson, Lamar, et. al.	Elsayed and Cotae
2:20 – 2:40	Setoodehnia and Pantaleo	Qian and Lee
2:40 – 3:00	Akins, Barbuto, et. al.	Wheaden
3:00 – 3:20	Fletcher, Bronner, et. al.	Saeed
3:20 – 3:40	Konak, Ryoo, et. al.	Matuga and Chen
3:40 – 4:00	Kulturel-Konal, et. al.	Nwachukwu
4:00 – 4:20	Ericson	

Presentations

Akins, Barbuto, and Courtney, "A Study of the Effectiveness of Pre-Registration Advisement for Incoming First-Time Engineering and Technology Students," Dutchess Community College

Clyne, "Problem-based Learning to Integrate Biomechanical Engineering Research and Design into Co-operative Education," Drexel University

Elsayed and Cotae, "On the Performance of Underwater Mobile Acoustic Sensor Networks: An Experimental Approach," University of the District of Columbia

Ericson and Kiefer, "Capstone Design Assessment and Student Motivation," York College of Pennsylvania

Fisher, Besser, Sheppard, Choi, and Yang, "An Approach for Introducing Concepts of Nanotechnology within the Undergraduate Curriculum," Stevens Institute of Technology

Fletcher, Bronner, and Astatke, "A Systems Engineering Approach to Managing Engineering Student Retention Efforts at a HBCU," Morgan State University

Frederick, "Pedagogical Advantages of a Multi-phase Undergraduate Laboratory Project," Wilkes University

Harris and Bronner, "A Modified System Development Life Cycle for the Analysis of Complex Systems Using the Formal Specification of Software for a Kitchen Cooking Application," Morgan State University

Jackson, Lamar, Brown, and Latson, "Introducing the Big Ideas of Computer Science through a K-12 Teacher Professional Development Workshop," Bowie State University

Konak, Ryoo and Kulturel-Konak, "Student Perceptions of a Hands-on Delivery Model for Asynchronous Online Courses in Information Security," Penn State University

Kulturel-Konak, Konak, Kremer, and Esparragoza, "Using a Modular Assessment Framework for Assessing Professional Skills," Penn State University

Kabalan, "Think - Pair - Share: A Case Study in an Electrical Engineering Class," Bucknell University

Latson, Jackson, Lamar, and Stone, "The Impact of a Massive Open Online Course (MOOC) to Teach Programming at a Historically Black College and University," Bowie State University

Li and Satyanarayana, "Curriculum Modification Reflects the Growth of Computer Systems Technology," New York City College of Technology

Matuga and Chen, "Improving Patient Cycle Time Hospital Emergency Department," Morgan State University

Moses and Petullo, "Teaching Computer Security," United States Military Academy

Nwachukwu and Lee, "Improving CO₂ Permeate Volume via detailed analysis of the membrane separation process," Morgan State University

Ochia, "Development of an Undergraduate Bioengineering Curriculum that Mirrors the Breadth of the Field," Temple University

Park, "Modification of engineering economics class at Villanova University," Villanova University

Prasad, "21st Century Challenges: Integrating Fundamentals into State-Of-The-Art Technology Curricula Complimented by Hands on Experience in Laboratories," University of Massachusetts Lowell

Qian and Lee, "The Design and Analysis of Energy Efficient Building Envelopes for the Commercial Buildings by Mixed-level Factorial Design and Statistical Methods," Morgan State University

Saeed, "Decision Making," University of Punjab, Lahore

Setoodehnia and Pantaleo, "Understanding Physics Concepts through Project Based Learning," Union County Magnet High School

Silage, "What's All This Interdisciplinary Engineering Stuff Anyway?" Temple University

Simon, "Development of a Web-based Computing Platform to Teach Controlled-Release Technology", New Jersey Institute of Technology

Singh and Moncada, "Challenges in managing joint senior project design work between Villanova university and Universidad Nacional de Ingenieria (UNI) Nicaragua," Villanova University, Universidad Nacional de Ingenieria (UNI) Nicaragua

Solderitsch, "A Practical Introduction to Engineering a Secure Internet of Things," Villanova University

Wheaden, "The Degradation of Radome Panels due to Probabilistic Extreme Wind Events," Morgan State University

Woleslagle and Swartz, "A Bridge in Panama: Case Study of Messiah College Project-Based Learning," Messiah College

Posters

1. Derveni, McBride, Proko, Kamsula, and Katz, "Characterizing a Visible Light Communication System," Drexel University and University of Oulu
2. Gale, "Implementation of Little Bits Circuit Collection into the Classroom," Rowan University
3. Goeken, Mongan, Kurzweg, Dion, and Fontecchio, "A Software Framework for Monitoring and refining Analytics on Real-Time Medical Device Data," Drexel University
4. Lerner, "Using Arduino Robotics in the Classroom," Drexel University
5. Lerner and Vasil, "Wireless Network on Chip," Drexel University
6. Losek and Ericson, "Modeling Parametrically Excited Gear Systems with Periodically Varying Stiffness," York College of Pennsylvania
7. Milligan, Pelleg, and Fontecchio, "Curriculum Driven Classroom Design," Drexel University
8. Mize and Park, "An Inside Look: State and Federal Government Collaboration in Conducting Undergraduate Civil Engineering Research," Villanova University
9. Reppert, Atchinson, and Kroner, "Optimization of Biocompatible Textiles for Tissue Engineering Applications," Drexel University
10. Saleheen, Giorgi, Smith, Oleksyuk, and Won, "Design of the Virtual Laboratory Assistant for Electrical Circuits Laboratories," Temple University

Institutions Presenting Papers and/or Posters

Bowie State University
Bucknell University
Drexel University
Dutchess Community College
Messiah College
Morgan State University
New Jersey Institute of Technology
New York City College of Technology
Penn State University
Rowan University
Stevens Institute of Technology

Temple University
Union County Magnet High School
University of Massachusetts Lowell
United States Military Academy
University of the District of Columbia
University of Punjab, Lahore
Universidad Nacional de Ingenieria (UNI)
Nicaragua
Villanova University
Wilkes University
York College of Pennsylvania