



ITEEA 78th Annual Conference
 National Harbor, Washington DC March 1-4, 2016
Administrator Strand
TUESDAY - THURSDAY



Tuesday, March 1, 2016 – Azalea 3 / Convention Center

Time	Location	Session	Presenter
9:00 am -4:00	Baltimore 1	Integrative-STEM FocalPoints Workshop Participants will get the first glimpse of a new standards-based model for integrating STEM through Integrative-STEM FocalPoints™ and how they can drive school reform. The workshop will focus on validating STEM content across Science, Technology and Engineering, Mathematics, English-Language Arts and Engineering Habits of Mind. <i>Registration \$145 per person includes lunch.</i>	Suzanne Bevans, Principal, Henderson Elementary Matthew Cathell, Professor The College of New Jersey
6:00 -7:00	Azalea 3	CSL President's Reception <i>(Sponsored by)</i> Join the Council for Supervision and Leadership for light hors d'oeuvres and network with STEM administrators from around the country.	Mark Crenshaw, Ed.D., DTE CSL President Hart County Charter System, Georgia

Wednesday, March 2, 2016 – Annapolis 1 / Convention Center

Time	Location	Session	Presenter
8:00 a.m.	Annapolis 1	Breakfast <i>(Sponsored by the STEM Center for Teaching and Learning)</i>	
9:00 a.m.	Woodrow Wilson	1st General Session / Program Excellence	
11:00 a.m.	Exhibit Halls A/B	Exhibits Open	
12:00 p.m.		Lunch on your own	
1:00 p.m.	Annapolis 1	WELCOME Introductions, Goals, Anticipated Outcomes What are the Big 3 Barriers for STEM Integration and Implementation?	Barry Burke, Associate Executive Director STEM Center for Teaching and Learning, ITEEA
1:10 p.m.	Annapolis 1 CSL	I-STEM FocalPoints –Defining Effective integrative STEM Participants will see a new standards-based model for integrating STEM through I-STEM FocalPoints™ and how they can drive school reform.	Barry Burke STEM Center for Teaching and Learning,
2:00 p.m.	Annapolis 1	LinkEngineering: Linking PreK-12 Educators to Expertise and Content <i>LinkEngineering</i> aims to provide high-quality resources and build a professional community for three groups: educators working in preK–12 classrooms and out of school settings; those engaged in preservice teacher education and professional development; and school, district, and state administrators.	Greg Pearson, Senior Program Officer National Academy of Engineering Cary Sneider, Ph.D. Portland State University
2:45 p.m.	Annapolis 1 CTETE	How to Address the T&E in STEM - Who's on First? (CTETE) What exactly is Integrative STEM? What does it look like and what types of professional development is necessary? What impact do the Next Generation Science Standards have on STEM classrooms – in particular, Technology and Engineering classrooms?	Phil Reed, Professor Old Dominion University

3:30 p.m.	Annapolis 1 CSL	STEM for ALL – Whole School Engagement (CSL Forum) Gain a better understanding of today's career and technical education (CTE) offerings from the perspective of former principal from a large school district and small school district. Also, learn how CTE can help students improve their academic skills through learning that is hands-on and engaging with relevant application. A model for innovation in Kansas will be presented.	Max Heindrichs, Director, College & Career Readiness ESSDACK, Kansas RJ Dake, Kansas
4:00 p.m.	Exhibit Halls A/B	ITEEA STEM Showcase Visit with teachers and professionals in the field who are implementing innovative concepts in STEM education. Pick up samples of lessons to bring back to your school or district!	



THURSDAY



GOALS:

1. Identify exemplars for how Technology and Engineering Bring STEM to Life
2. Showcase examples of Integrative STEM – EbD™

Thursday, March 3, 2016 – Annapolis 1 / Convention Center

Time	Location	Session	Presenter
8:00 a.m.	Annapolis 1	Breakfast (<i>Sponsored by the STEM Center for Teaching and Learning</i>)	
9:00 a.m.	Woodrow Wilson	2nd General Session -	
11:00 a.m.	Exhibit Hall	Exhibits Open	
11:30-1:00	A/B	Lunch at the Exhibits (<i>free to all registered attendees</i>) <i>Sponsored by Pitsco Education</i>	
1:00 p.m.	Annapolis 1	Flexibility-Affordability-Accountability - The EbD Nitty Gritty! Engineering byDesign™ - What is it? Using a standards-based approach, this model provides an overview of how to bring STEM to elementary, middle and high schools. Using the FAA approach (Flexibility, Affordability and Accountability) the program is suitable for any school or district that is looking to implement an Integrative STEM system.	Tanner Huffman, Director, Research, Special Projects and Assessment STEM Center for Teaching and Learning, ITEEA
1:40 p.m.	Annapolis 1	Integrative STEM Opportunities The NGSS and CCSS have put intense pressure on educators and administrators. Why should we allocate resources to support the T & E of STEM? How does the T & E of STEM support Science and Mathematics learning? Purdue University is developing an Integrated STEM Education endorsement that centralizes the technology and engineering and situates these disciplines as integrators for mathematics and science learning.	Nathan Mentzer, Assistant Professor, <i>Dept. of Technology Leadership and Innovation, Purdue University</i>
2:20 p.m.	Annapolis 1	Closure: Opportunities and Next Steps Integrative STEM provides many opportunities for moving forward. During the two days, information has been provided that will help frame how STEM can be implemented. This session will build upon those to offer opportunities that are available to make STEM a reality in any school or district.	Roger Skophammer, Director, <i>Curriculum and Instruction</i> Henry Harms, Assistant Director, <i>Teacher Effectiveness Initiatives</i>
3:00 p.m.	Baltimore 1	EbD-TEEMS (Elementary) Grades K-5	EbDLabs Joan Harper-Neely Kirsten Perry

	Baltimore 2 or 5	Middle School Engineering for All (Water) Technological Systems (Grade 8)	Participants will visit the hands-on sessions that provide an overview of the course and a sampling of Integrative STEM lessons. Administrators are encouraged to visit one or all three EbDLabs depending on their interests.	Sandy Cavanaugh Chandra Porter
	Baltimore 3 or 4	High School Advanced Design Applications Engineering Design (12)		Kevin Webster Cory Booth