



ITEEA 78th Annual Conference
National Harbor, Washington DC March 1-4, 2016

Administrator Strand
TUESDAY - THURSDAY



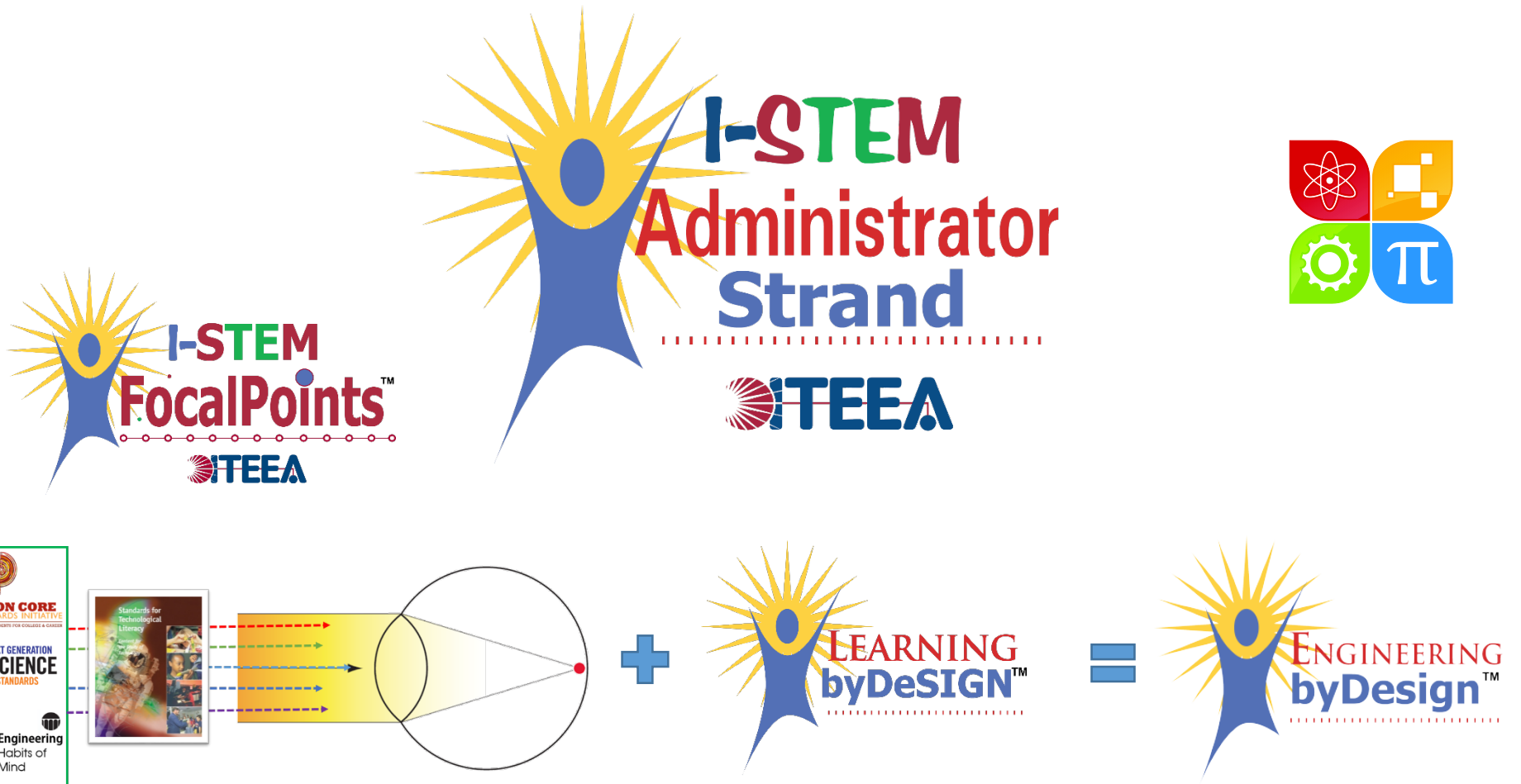
Tuesday, March 1, 2016 –Convention Center

Time	Location	Tuesday Sessions	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. Registration \$145 per person includes lunch.	Suzanne Bevans, Principal, Henderson Elementary Matthew Cathell, Professor The College of New Jersey
6:00 p.m. - 7:00	Azalea 3	CSL President’s Reception <i>(Sponsored by Learning Labs, Inc., Tech Ed Concepts, and Roland DGA)</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	Wednesday Session	Presenter
8:00 a.m.	Annapolis 1	Breakfast <i>(Sponsored by Verizon and 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 Jennifer Buelin, Ed.D., 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	Introduction to LinkEngineering The National Academy of Engineering’s LinkEngineering website aims to provide high-quality resources and build a professional community for educators working in Pre-K–12 classrooms and out of school settings; those engaged in preservice teacher education and professional development; and school, district, and state administrators. In this session, a short tour of the site will be followed by an opportunity to engage the project director and committee chair in discussion.	Cary Sneider, Ph.D. Portland State University Greg Pearson, Scholar National Academy of Engineering
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, Ph. D., Professor Old Dominion University

Time	Location	Wednesday Session	Presenter
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 Heinrichs, Director, College & Career Readiness ESSDACK, Kansas Clelia McCrory, Kansas EbD State Director ESSDACK Career Education, Kansas RJ Dake, Program Consultant- STEM Leadership, and Sustainability Director, ITEEA-CSL
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	Friday Sessions	Presenter
8:00 a.m.	Annapolis 1	Breakfast (<i>Sponsored by Stratasys and the STEM Center for Teaching and Learning</i>)	
9:00 a.m.	Woodrow Wilson	2 nd 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>) Sponsored by Pitsco Education	
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, Ph.D., <i>Director, Research, Special Projects and Assessment STEM Center for Teaching and Learning, ITEEA</i>
1:40 p.m.	Annapolis 1	Integrative STEM Education in Context: Soft Robotics Research in EbD's Foundations of Technology Purdue University's Integrated STEM Education faculty along with Mechanical Engineering faculty partnered with EbD to develop and pilot an Integrated STEM education learning experience in the context of soft robotics. Soft robots are an innovative branch of cutting edge robotics research. This presentation will discuss the NSF funded research effort to broaden participation in STEM fields by engaging traditionally underrepresented populations with a socially relevant, materially safe, simple elastically deformable pneumatic robot. Selected students and teachers of the EbD FoT curriculum will be piloting and co-developing the learning materials beginning this summer.	Nathan Mentzer, Ph.D., <i>Assistant Professor, 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.	Jennifer Buelin, Ed.D <i>Director, Digital Initiatives and Professional Learning Opportunities</i>
3:00 p.m.	Baltimore 1	EbD-TEEMS (Elementary) Grades K-5	EbDLabs 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.
	Baltimore 2 Baltimore 5	Middle School Engineering for All (Water) Technological Systems (Grade 8)	
	Baltimore 3 Baltimore 4	High School Advanced Design Applications Engineering Design (12)	
			Joan Harper-Neely Kirsten Perry Sandy Cavanaugh Susan Blubaugh Kevin Webster Cory Booth

