WEDNESDAY, MARCH 15, 2017 - SHERATON DALLAS

6:00pm-7:00pm
Kitchen Garden

CSL President’s Reception
(Sponsored by Learning Labs, Inc., Tech Ed Concepts, and Roland DGA)

Join the Council for Supervision and Leadership for light hors d’oeuvres and networking with STEM administrators from around the country.
Presenter: Paul Camick, Ed.D., DTE, CSL President
DeKalb County Public Schools, Georgia

THURSDAY, MARCH 16, 2017 - SEMINAR THEATER/SHERATON DALLAS

8:00am
Seminar Theater
Breakfast (Sponsored by PITSCO)

9:00am
Dallas C/D
Program Excellence General Session

11:00am
Grand Hall
Exhibits Open

12:00pm
Lunch on your own

1:00pm
Seminar Theater
WELCOME
Introductions, Goals, Anticipated Outcomes
What are the Big 3 Barriers for STEM Integration and Implementation?
Presenter: Anita Deck, Director of Innovation, Assessment and Research, ITEEA, STEM Center for Teaching and Learning™

1:10pm
Seminar Theater
Engineering for All (CSL Forum)
The Engineering for All (EaA) project has been funded by the National Science Foundation (Grant # DRL 1316601) to create, test, and revise two six-week modules for middle school technology education classes on the important social contexts of food and water. The units are built on four “drivers” that underpin the Engineering for All approach. These include:

1. Promoting the potential of engineering as a social good.
2. Revisiting unifying engineering and technology themes (i.e., design, modeling, systems, resources, and human values) in authentic social contexts.
3. Using design-based engineering activities as authentic contexts for teaching and learning Science, Technology, Engineering, and Mathematics (STEM) ideas and practices
4. Using informed design as the core pedagogical methodology.

Presenters: Michael Hacker, Co-Director, Center for Technological Literacy, Hofstra University; Matthew Plummer, Conmaugh Township Area Schools, PA; and Matthew McGuire, MacDonald Middle School, Elwood, NY.

2:00pm
Seminar Theater
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.

Presenters: Cary Sneider, Ph.D., Associate Research Professor, Portland State University; Greg Pearson, Scholar, National Academy of Engineering

2:50pm
Seminar Theater
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.

Presenters: Anita Deck, Ph.D., ITEEA; Michael Grubbs, Ph.D., Supervisor, Baltimore County Public Schools; Tyler Love, Ph.D., Program Director, University of Maryland, Eastern Shore; Nathan Mentzer, Ph.D., Assistant Professor, Purdue University

4:00pm
Grand Hall
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!
FRIDAY, MARCH 17, 2017 - SEMINAR THEATRE/SHERATON DALLAS

8:00am
Seminar Theater
Breakfast (Sponsored by STEM Solutions at IU13)

9:00am
Dallas C/D
Teacher Excellence General Session

11:00am
Grand Hall
Exhibits Open

11:30am-1:00pm
Lunch in the Exhibit Hall (free to all registered attendees) Sponsored by ITEEA

1:00pm
Seminar Theater
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.
Presenter: Jennifer Buelin, Ed.D., Director, Curriculum, Professional Development, and Digital Initiatives
STEM Center for Teaching and Learning™, ITEEA

1:40pm
Seminar Theater
Technology and Engineering Literacy: It’s Not Left to Chance
This presentation will provide the audience with information concerning the development of the TEL Assessment framework, examples of specific assessment questions, and will use data from the Learn Better by Doing research project to illustrate how technology and engineering programs prepare technology and engineering literate students.
Presenters: William Dugger, Jr., Ph.D., DTE, Senior Fellow, ITEEA and Johnny Moye, Ph.D., DTE, Researcher, ITEEA

2:20pm
Seminar Theater
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.
Presenter: Jennifer Buelin, Ed.D., Director, Curriculum, Professional Development and Digital Initiatives
STEM Center for Teaching and Learning™, ITEEA

3:00pm
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.

Austin 3
EbD-TEEMS (Elementary)
NxtGen - Grades 3-6
Presenters: Bob Claymier and Kirsten Perry

Austin 2
Middle School
Technological Systems (Grade 8)
Presenter: Susan Blubaugh

Austin 1
High School
Engineering Design (Grade 12)
Presenters: Daniel Kelly and Sandy Cavanaugh

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