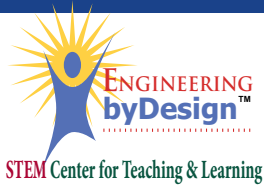


2019 Administrator Strand

ITEEA's Council for Supervision and Leadership **I-STEM PreK-12 Administrator Strand**



ITEEA's 81st Annual Conference
Sheraton and Westin Kansas City
at Crown Center Hotels

Kansas City, Missouri

March 27-30, 2019



STRAND THEME: Integrative STEM Education: Leadership Through Implementation

Wednesday, March 27, 2019

11:00am–3:30pm

Meet in Sheraton Lobby
Preconference Field Trip

General Motors Fairfax Assembly Plant

Visit the assembly plant where General Motors produces the Chevrolet Malibu. This is a walking tour of the assembly floor, so please plan your attire accordingly. Full length pants and closed toed shoes are strongly encouraged. The tour is not suitable for persons with limited mobility or needing assistance to walk. Transportation is provided both ways, and the field trip will depart the conference hotel at 11:30am.

5:00pm–6:00pm

Pershing North, Westin

STEM⁴: The Power of Collaboration for Change

Join a panel discussion about this newly released pivotal joint document authored by Advance CTE, Association of State Supervisors of Mathematics, Council of State Science Supervisors, and ITEEA.

6:00pm–7:00pm

Pershing North, Westin

Council for Supervision and Leadership (CSL) President's Reception for all CSL Members and Administrator Strand Registrants

Join CSL for light hors d'oeuvres and networking with STEM administrators from around the country.

Thursday, March 28, 2019

7:30am

Gillham Hall, Sheraton

CSL Awards Breakfast and Business Meeting

CSL Members and Administrator Strand Registrants are invited to attend.

9:00am

Atlanta/New York/San Francisco, Sheraton

Program Excellence General Session

11:00am

Exhibit Hall

Exhibits Open

11:30am–1:00pm

Lunch on your own

Multiple options available in the Exhibit Hall

1:00pm

Gillham Hall, Sheraton

Welcome! Introductions, Goals, Anticipated Outcomes

Presenters: Anita Deck, Director of Innovation, Assessment, and Research, ITEEA's STEM Center for Teaching and Learning™ and Joanna Papadopoulos, Special Projects Associate, Virginia Tech

1:10pm

Gillham Hall, Sheraton

ITEEA 101 and CSL Forum

Bring Integrative STEM Education to life! ITEEA 101 is a high-level look at ITEEA and its mission, its members, and the importance of technology and engineering education for all students. The STEM Center for Teaching and Learning™ (STEM CTL™) is ITEEA's Integrative STEM Educa-

tion center whose initiatives are directed toward four goals: development of standards-based curricula; teacher enhancement through professional development; research concerning teaching and learning; and curriculum implementation and diffusion. The CSL Forum provides a look inside the Council for Supervision and Leadership (CSL), which provides leadership to technology and engineering education coordinators, assists in curriculum development, promotes model programs, and provides teacher professional development.

Presenters: Jennifer Buelin, Ed.D., Director, ITEEA's STEM Center for Teaching and Learning™; Doug Livingston, President CSL and Technology and Engineering Education Specialist, Utah State Board of Education

2:00pm

Gillham Hall, Sheraton

Part I: edTPA: What is This All About? Part II: Teacher Recruitment: Alternate Certification

Part I: Participants will be given a brief overview of edTPA, a performance-based, subject-specific assessment and support system used by teacher preparation programs to meet state requirements for teacher certification.

Part I Presenters: Gregory Kane, Adjunct, Central Connecticut State University School of Engineering and Technology Education; Dr. Patrick Foster, Professor, Central Connecticut State University School of Technology and Engineering Education

Part II: A panel of national leaders in Technology and Engineering Education will share what their states are doing to facilitate alternate routes to teacher certification.

Part II Panelists: Justin Touchstone, Senior Program Quality Manager – Engineering

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and Technology Education, Idaho Career and Technical Education; Don Fischer, Technology and Engineering Education Supervisor, North Dakota Department of Career and Technical Education; Doug Livingston, Career and Technical Education Specialist Technology Education, Utah State Board of Education

2:50pm

Gillham Hall, Sheraton

I-STEM Education in Action

Attend sessions chosen by CSL members that feature strategies and best practices of Integrative STEM Education. Be ready to share your experiences and knowledge acquisition during the I-STEM Ed Share session on Friday, March 29 at 1:00pm.

Presenter: Anita Deck, Director of Innovation, Assessment, and Research, ITEEA's STEM Center for Teaching and Learning™

3:00pm

Gillham Hall, Sheraton

Industry Certification Pathway

To encourage more students to work toward a selected industry credential while in high school, the Engineering byDesign™ Industry Certification Pathway was developed by ITEEA's STEM Center for Teaching and Learning™. By following the suggested pathway, educators can prepare students for a successful attempt at an industry certification through Certiport for the Autodesk software packages of AutoCAD, Revit, and Inventor.

Presenter: Dr. Douglas Lecorchick III, Teaching Assistant Professor, College of Education, North Carolina State University

Guest: Jared Vanscoder, Program Manager, Autodesk Education Experiences (AEX)

4:00pm

Grand Hall

ITEEA STEM Showcase

Visit with teachers and professionals in the field who are implementing innovative concepts in I-STEM Education. Pick up samples of lessons to bring back to your school or district!

5:30pm–6:30pm

Exhibits Open

ITEEA Welcome Reception

All are welcome to attend! Come for a chance to win prizes and other giveaways.

Friday, March 29, 2019

8:00am

Gillham Hall, Sheraton

Breakfast

CSL Members and Administrator Strand Registrants are invited to attend.

9:00am

Teacher Excellence General Session

11:00am

Exhibits Open

11:30am–1:00pm

Lunch on your own

Multiple options available in the Exhibit Hall

1:00pm

Gillham Hall, Sheraton

I-STEM Ed Share

Share your experiences and knowledge acquired during your attendance and participation of selected I-STEM Ed conference sessions.

Facilitators™: Doug Livingston, President CSL and Technology and Engineering Education Specialist, Utah State Board of Education; Anita Deck, Director of Innovation, Assessment, and Research, ITEEA's STEM Center for Teaching and Learning™

1:30pm

Gillham Hall, Sheraton

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 seeking to implement an Integrative STEM system.

Presenter: Jennifer Buelin, Ed.D., Director, ITEEA's STEM Center for Teaching and Learning™

2:00pm

Gillham Hall, Sheraton

Makerspaces and Labs: Designs and Safety Considerations

Does your school have a makerspace or STEM lab? Are you interested in converting an existing space into one of these? Learn how to properly address liability and

safety concerns inherent in these facilities, federal regulations for safer designs, and see examples of innovative spaces from elementary through higher education.

Presenter: Dr. Tyler Love, Assistant Professor of Elementary/Middle Grades STEM Education, Director, Capital Area Institute for Math and Science (CAIMS), Penn State University

3:00pm

Gillham Hall, Sheraton

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 that information to offer opportunities that are available to make STEM a reality in any school or district.

Presenters: Jennifer Buelin, Ed.D., Director, ITEEA's STEM Center for Teaching and Learning™; Doug Livingston, President CSL and Technology and Engineering Education Specialist, Utah State Board of Education

3:45pm

EbDLabs™

Participants will visit 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.

High School

Empire C, Sheraton

Advanced Design Applications

(Grades 10/11)

Middle School

Empire B, Sheraton

Technological Systems

(Grade 8)

Elementary

Empire A, Sheraton

EbD-TEEMS

(Grades PreK-2)