

I-STEM Education PreK-12 Sponsored



Administrator Strand

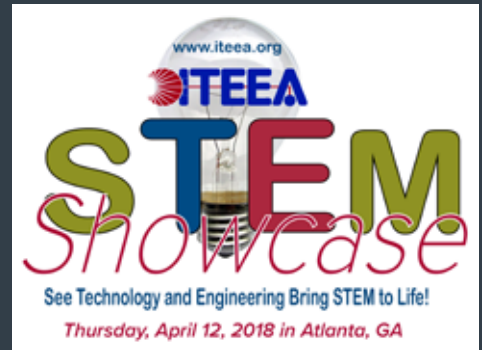
The ITEEA Council for Supervision and Leadership (CSL) has partnered with ITEEA's STEM Center for Teaching and Learning™ to create a dynamic professional develop-

ment strand for "Integrative STEM Education: Leadership Through Implementation." ITEEA invites administrators to attend the 80th Annual Conference at NO REGISTRATION COST. Administrator registrations are sponsored and FREE to the first 50 registrants! Come and see what your teachers are learning and experiencing at our conference. But don't stop there. ITEEA is offering a specifically designed STEM leadership session strand for educational administrators. This is a unique opportunity to network, bring back knowledge to your school, and implement effective K-12 Integrative STEM Education instruction.

ITEEA's 80th Annual Conference in Atlanta, GA is both a meeting and exhibition event where teachers, teacher educators, and supervisors come together to share ideas, network, and learn. Some of the 2018 highlights include:

- New Engineering byDesign™ courses: Engineering for All – Water: The World in Crisis and Vertical Farms: Fresh Food for Cities and EbD TEEMS NxtGen PreK
- Research on the T&E of STEM – Council on Technology and Engineering Teacher Education (CTETE)
- Leadership in Technology and Engineering Education – Council for Supervision and Leadership (CSL)
- I-STEM Standards-Based Models – Articulating Content with Post-Secondary Engineering Programs
- Engineering byDesign™ Hands-on Workshops
- Integrative STEM Education Resources and Opportunities
- Finding STEM Resources for Your School or District
- LinkEngineering – National Academy of Engineering

This conference is a unique opportunity for administrators to build understanding and support for programs—as well as to see first-hand how ITEEA's member-educators Bring STEM to Life!



STEM SHOWCASE 2018 AND CTETE POSTER SESSIONS

THURSDAY, APRIL 12, 2018

4:00pm–5:30pm

Exhibit Hall, America's Mart
(connected to the Westin)

in-

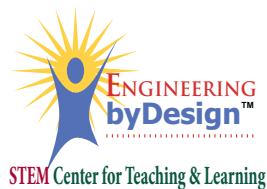
Bringing Teachers and Ideas Together

The ITEEA STEM Showcase is an exhibition of best practices in the teaching of technology and engineering education. The Showcase provides a forum for teachers, TSA Advisors, and others to feature an idea, technique, or best practice related to learning activities, marketing materials, career guidance, facility design, program design, assessment methods, equity, or classroom and laboratory management techniques. Don't miss out on this unique learning and networking opportunity!

It is sure to be an exciting event! For more information, contact Katie de la Paz at kdelapaz@iteea.org.

The STEM Showcase is an exhibition of best practices in the teaching of technology and engineering education.

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



ITEEA's 80th Annual Conference
Westin Peachtree Plaza
Atlanta, Georgia **April 11-14, 2018**



STRAND THEME: Integrative STEM Education: Leadership Through Implementation

Wednesday, April 11, 2018

11:00am–3:45pm

**Preconference Field Trip:
 Georgia's College and Career
 Academy/Newton County College
 and Career Academy**

Visit one of Georgia's premier College and Career Academies where business, industry, and community sponsors have partnered to form a charter school in which students prepare for careers within local and regional industries. During the tour, participants will be provided lunch during which a panel of career academy experts will share their experiences. After lunch and presentations, students from the Career Academy will provide a tour of the programs and facility.

6:00pm–7:00pm

Peachtree Room 1
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.
Presenter: Don Fischer, CSL President and ND EbD State Director
(Sponsored by Redmond and Sons Machinery)

Thursday, April 12, 2018

7:30am

Chastain 1
CSL Awards Breakfast and Business Meeting
 CSL Members and Administrator Strand Registrants are invited to attend.

9:00am

Peachtree Ballroom CD
Program Excellence General Session

11:00am

Exhibit Hall, Atlanta AmericasMart (Connected to the Westin)
Exhibits Open

12:00pm

Lunch on your own

1:00pm

Chastain 1
 Welcome!
Introductions, Goals, Anticipated Outcomes
Presenter: Anita Deck, Director of Innovation, Assessment and Research, ITEEA's STEM Center for Teaching and Learning™

1:10pm

Chastain 1
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 education 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 technol-

ogy 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™, Don Fischer, CSL President and ND EbD State Director

2:00pm

Chastain 1
Teacher Recruitment in Engineering and Technology
 You have probably experienced the teacher shortage in recent years when trying to hire educators. In this session, administrators will learn how to recruit your next cohort of teachers by connecting to community and state resources, professional associations, and universities. An emphasis will be placed on creating a local effort to grow future teachers through a teacher recruitment campaign.

Presenters: Mary Rinehart, Engineering and Technology Specialist, Indiana Department of Education; Greg Kane, Central Connecticut State University; Mark Crenshaw, Assistant Director Lake Technical College; Dr. Richard Seymour, Associate Professor, Ball State University

2:50pm

Chastain 1
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, April 13 at 1:00pm.

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

3:00pm

Chastain 1

Meeting the Needs of Nontraditional Technology Education Teachers

Many teachers are entering the field without a traditional degree in Technology Education. These educators have needs ranging from safety in the classroom to managing instructional activities. Join panel members as they share their insights and expertise and discuss solutions.

Presenters: Paul Camick, Ed.D., DTE, CTAE, Instructional Coordinator, Student Advancement, DeKalb County School District, Georgia; Don Fischer, CSL President and ND EbD State; Mark Crenshaw, Assistant Director, Lake Technical College; Lynn Basham, Technology Education Specialist, Virginia Department of Education; Doug Livingston, Specialist, Technology and Engineering Education, Utah State Board of Education; Tyler Love, Ph.D., Associate Professor, University of Maryland Eastern Shore

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

Exhibit Hall, Atlanta AmericasMart (Connected to the Westin)

Opening Celebration Reception!

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

Friday, April 13, 2018

8:00am

Chastain 1

Breakfast

CSL Members and Administrator Strand Registrants are invited to attend.

9:00am

Peachtree Ballroom CD

Teacher Excellence General Session

11:00am

Exhibit Hall, Atlanta AmericasMart
Exhibits Open

11:30am–1:00pm

Lunch in the Exhibit Hall

1:00pm

Chastain 1

I-STEM Ed Share

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

Facilitators: Don Fischer, CSL President and ND EbD State Director; Anita Deck, Director of Innovation, Assessment and Research, ITEEA's STEM Center for Teaching and Learning™

1:30pm

Chastain 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.

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

2:00pm

Chastain 1

Barriers to Technology/Education Implementation: Questions Asked and Answered

Learn how one school district is solving the multidimensional problems facing technology/engineering education instruction. Hear how a very diverse school system deals with teacher recruitment, reaching students of diverse backgrounds, teacher professional development, and finding time to provide STEM instruction to our youngest learners. Engage with others to share

your best practices and together we can design solutions to reach more students with engaging, relevant, integrated education through technology and engineering education.

Presenter: Amy Sabarre, Director of STEM Education, Harrisonburg City Public Schools, Harrisonburg, VA

3:05pm

Chastain 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 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; Don Fischer, CSL President and ND EbD State Director

3:45pm

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.

Augusta Room 1

Middle School

Engineering for All (Grade 8)

Presenters: Matt Plummer and Chris DeHaan

Augusta Room 2

High School

Engineering Design (Grade 12, capstone course)

Presenter: Kenyatta Lewis-White

Augusta Room 3

EbD-TEEMS (Elementary) NxtGen - Grades 3-6

Presenter: Bob Claymier