2017 STEM Leadership Summit

Renaissance Austin Hotel • June 27, 2017 • Austin, Texas
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<td>8:30 - 9:00 a.m.</td>
<td>Registration/Coffee</td>
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<td>9:00 - 9:15 a.m.</td>
<td>Welcome and Introductions</td>
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<td>9:15 - 10:15 a.m.</td>
<td>Leadership in STEM Schools: Principal Panel</td>
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<td>10:15 - 10:30 a.m.</td>
<td>Break</td>
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<td>10:30 - 11:45 a.m.</td>
<td>Rigorous Math Matters</td>
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<td>12:00 - 2:00 p.m.</td>
<td>Luncheon Keynoted by Dr. Penny Schwinn, TEA Deputy Commissioner *</td>
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<td>2:15 - 3:15 p.m.</td>
<td>Capacity-Building from Within Using T-TESS, T-PESS and SLOs</td>
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<td>3:15 - 3:30 p.m.</td>
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<td>3:30 - 4:00 p.m.</td>
<td>Building an Inclusive K-12 Computer Science Pipeline</td>
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<td>4:00 - 4:45 p.m.</td>
<td>Resources for STEM Leaders</td>
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<td>4:45 - 5:00 p.m.</td>
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<td>5:00 - 7:00 p.m.</td>
<td>Showcase and Reception: Celebrating STEM Superheroes *</td>
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<td>7:00 - 9:00 p.m.</td>
<td>Dinner Keynoted by Liz Murray - My Journey from Homeless to Harvard *</td>
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<td>Grand Ballroom - Main Floor</td>
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* Shared events with TRC 23rd Annual Meeting (see back page for details)

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**Leadership in STEM Schools: Principal Panel**

Leadership in STEM schools comes with a unique set of challenges and opportunities. This panel of experienced principals will share their insights and best practices related to building and sustaining a STEM-focused campus. Topics will include community and industry partnerships; effective professional development; student recruitment, enrollment, scheduling, and diversity; curriculum/instructional resources, and much more. Bring your questions!

**Moderator:**
- Carol Fletcher, Ph.D. – Deputy Director, Center for STEM Education, The University of Texas at Austin

**Panelists:**
- Jay Barrett – Principal, AACAL, Amarillo ISD
- Brandon Johnson – Principal, STEAM Middle School, Burleson ISD
- Donna Ullrich – Principal, Humble High School, Humble ISD

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STEMcenter.utexas.edu  WeTeach_CS  WeTeachCS.org  theTRC.org
Rigorous Math Matters
Research shows rigorous math matters! Presenters will discuss a statewide analysis conducted by E3 Alliance that shows high school math enrollment patterns predict post-secondary completion, when taking into account prior math achievement and poverty. The research will also show inequities in math acceleration practices in middle school, even for the most prepared students. Panelists engaged in a regional effort to address inequities in mathematics and post-secondary achievement will discuss the intersection of district policies and college readiness and provide concrete recommendations regarding mathematics teacher professional development and early course taking policies that your school or district could replicate.

Presenters/Panelists:
- Amy Wiseman, Ph.D. – Director of Research Studies, E3 Alliance
- Christine Bailie, M.P.Aff. – Deputy Director, P-16 Strategic Initiatives, E3 Alliance
- Shasta Buchanan, Ed.D. – Executive Director, College & High School Relations, Austin Community College
- Terrence Eaton, Ph.D. – Associate Superintendent for Middle Schools, Austin ISD
- Debbie Plowman Ph.D. – Coordinator for Mathematics Initiatives, Center for STEM Education, UT Austin

Capacity-Building from Within Using T-TESS, T-PESS and SLOs
Professional educators, teachers, and leaders can use the new Texas evaluation systems (T-TESS, TPESS & SLO) to develop their capacity and set meaningful goals to enhance their practice. The three systems are designed to work in concert to 1) promote continuous growth, 2) guide reflection to improve effectiveness, 3) provide professional development opportunities, and 4) improve professional quality. In this session, we will explore how to leverage these systems as a means for transforming our approach to professional development to one that is driven from within.

Presenters:
- Lori Einfalt, Ph.D., LCM Consulting
- Criss Wakefield, M.Ed., LCM Consulting
- Mary Kimmins, M.Ed., LCM Consulting

Building and Inclusive K-12 Computer Science Pipeline
Computer Science related fields are a growing part of the economy and a great source of future careers for today’s students, but Texas schools have struggled to keep up with the growing demand for CS in schools due to a shortage of CS certified teachers. Texas schools also have to deal with lingering perceptions that discourage female, Hispanic, and African American students from taking Computer Science courses, barring them from these career paths. Building a CS pipeline means taking a multi-pronged approach to address the issues of teacher shortages through certification programs and professional development, while addressing inclusion through the use of innovative curriculums and industry partnerships to reach underrepresented students. This session will help school and district leaders understand the K-12 computer science landscape in Texas and the resources they can access to build in inclusive CS program.

Presenter:
- Carol Fletcher, Ph.D., Deputy Director, Center for STEM Education, UT Austin

Resources for STEM Leaders
All STEM education programs need adequate resources to get them started and to keep them going over time. These resources include, but are not limited to, sufficient funding, access to research-based curriculum materials and specialized equipment, ample instructional support, and opportunities for teachers to participate in high quality professional development. This session will help school and district leaders understand how funding for STEM education will change under the Every Student Succeeds Act (ESSA) and some resources they can access to promote and support the teaching and learning of STEM in the state of Texas.

Presenter:
- Victor Sampson, Ph.D., Director, Center for STEM Education, UT Austin

Please give us your feedback!
https://stemcenter.utexas.edu/summit-survey
The 2017 STEM Leadership Summit is sponsored by

The University of Texas at Austin Center for STEM Education

TRC is headquartered at The University of Texas at Austin, and is supported by state, federal, and corporate funders and partners. Proceeds may be used in general support of the College of Education.

Access the online Annual Meeting Schedule and download the app for your smart device at: https://trc2017.sched.org
or scan the QR Code below.

#trc2017