

2014 Summit

AUGUST 21, 2014 | AUSTIN, TEXAS





Keynote Speaker

Dave Wilson

Director of Academic Programs, National Instruments

Dave is responsible for delivering effective marketing strategies and tactics to more than 40 National Instruments offices worldwide while ensuring a consistent global brand and message. He has held leadership positions in field engineering, academic and product marketing, and international sales and marketing and has delivered more than 50 keynotes about the application of next-generation technologies in 30 countries. He has also authored numerous articles and interviewed with multiple domestic and international publications including EE Times Asia, Bits & Chips, Evaluation Engineering, Desktop Engineering, and Sensors. Before joining NI, Wilson worked for the Xerox Corporation and Keithley Instruments as a research engineer and software developer, respectively.



Stacy Avery

T-STEM Program Manager, Texas Education Agency

Stacy currently serves as the Director of the Texas Initiatives team in Federal and State Education Policy at the Texas Education Agency. In her current role, she provides policy and leadership for the T-STEM Initiative, overseeing multiple STEM programs including T-STEM Academies, Centers, and Technical Assistance providers. Under her direction, the Texas Initiatives team manages a variety of federal and state education programs including Texas Certificate of High School Equivalency, Title I Part A, Title II Part B, GEAR UP, and College and Career Readiness Programs.



Tamara Hudgins

Executive Director, Girlstart

Before moving to Texas and joining Girlstart, Tamara was executive director of a nonprofit that served more than 11,000 Chicago teachers and children every week. Tamara received her PhD in Art History at Charles University in Prague. She has taught at graduate level at various colleges and universities. Tamara is passionate about creating educational programs that improve teaching and learning, as well as maintaining civic vitality.



Melanie Moore

Executive Director, KDK-Harman Foundation

Melanie brings a blended skill set and expertise from a career including both high-tech and nonprofit leadership. She was the founder and executive director of Badgerdog, a literary-focused nonprofit organization, which garnered numerous awards for innovation, growth, and impact in Austin and nationally. Melanie was named A Glimmer of Hope Foundation's Angel in the Community in 2010, and was a finalist in the Austin Under 40 Awards. Prior to her nonprofit work, Melanie led high-performing and cross-functional teams in large and small software companies in Atlanta, Georgia, and Austin, Texas.



Melissa Dodson

Director of Evaluation, SEDL

Melissa provides overall leadership for SEDL's evaluation research efforts and serves as Deputy Director of SEDL's Regional Educational Laboratory Southwest, managing analytic technical support activities targeting the needs of their research alliances. She has more than 15 years of experience designing and implementing large- and small-scale evaluation studies, primarily in the areas of STEM education, teacher education, and program replication. In particular, she has extensive experience in formative and summative evaluation in teacher preparation programs for STEM teachers.



Katie Kizziar

Associate Director of Programs, Thinkery

Katie develops and implements innovative and engaging STEAM programs for children, their families, and the community. Before joining the Thinkery, Katie worked with UTeachEngineering to develop a course implemented in schools nationwide. Katie serves on the steering committees of Central Texas Discover Engineering and Central Texas FIRST LEGO League and is a leader with the Texas Girls Collaborative Project, the Texas Alliance for Minorities in Engineering, and Dorkbot Austin.



Karen M. Siles

Staff Software Engineer - Cloud Infrastructure Services, IBM Corporation

Karen was recently elected President of the Society of Hispanic Professional Engineers (SHPE) Austin Professional Chapter. She previously served on SHPE's National Board of Directors. Karen's decision to pursue engineering rose from a summer program at the Center for the Advancement of Hispanics in Science and Engineering Education. Karen appreciates the value of civic duty and in promoting education; she is also active in the Society of Women Engineers (SWE) and IEEE.

Thursday, August 21, 2014

9:30–10:00 a.m.	Networking and Check-In
10:00–10:15 a.m.	<p>Welcome Wesley A. Hoover, President & CEO <i>SEDL</i></p> <p>Announcements and Framing Vicki Dimock, Chief Program Officer <i>SEDL</i></p>
10:15–10:30 a.m.	<p>Community Building Tricia Berry, Director, Texas Girls Collaborative Project and Women in Engineering Program <i>University of Texas at Austin</i></p>
10:30–11:45 a.m.	<p>Panel Discussion: Connecting the Dots for a Strong STEM Network Moderator: Katie Kizziar, Associate Director of Programs <i>Thinkery</i> Panelists:</p> <ul style="list-style-type: none"> • Stacy Avery, T-STEM Program Manager <i>Texas Education Agency</i> • Tamara Hudgins, Executive Director <i>Girlstart</i> • Melanie Moore, Executive Director <i>KDK-Harman Foundation</i> • Karen M. Siles, Staff Software Engineer - Cloud Infrastructure Services <i>IBM Corporation</i>
11:45 a.m.–noon	Break
12:00–1:15 p.m.	<p>Luncheon and Keynote Speaker Dave Wilson, Director of Academic Programs, National Instruments <i>National Instruments</i></p>
1:15–2:00 p.m.	<p>Defining STEM</p> <ul style="list-style-type: none"> • Vicki Dimock, Chief Program Officer <i>SEDL</i> • Haidee Williams, Program Associate <i>SEDL</i>
2:00–2:15 p.m.	Break
2:15–3:30 p.m.	Small Group Discussions
3:30–3:45 p.m.	Break
3:45–4:30 p.m.	Report Out
4:30–5:00 p.m.	<p>Next Steps Melissa Dodson, Director of Evaluation <i>SEDL</i></p>
5:00–5:30 p.m.	Transition to Thinkery
5:30–6:30 p.m.	Thinkery Tour

Schedule

Summit at SEDL

Time: 10 a.m.–5 p.m.

Venue: Conference Center, SEDL Headquarters

Private Tour and Exploration at the Thinkery

Time: 5:30 p.m.–6:30 p.m.

Venue: The Thinkery

Participants are invited to enjoy exclusive access to the Thinkery immediately following the STEM XXI Summit. Join us for a facility tour and hands-on fun with neat demonstrations, free play in the galleries, and a chance to tackle the Climber (the space/pirate ship outdoor climbing structure). Family members are welcome to join.

Parking and Shuttle Information

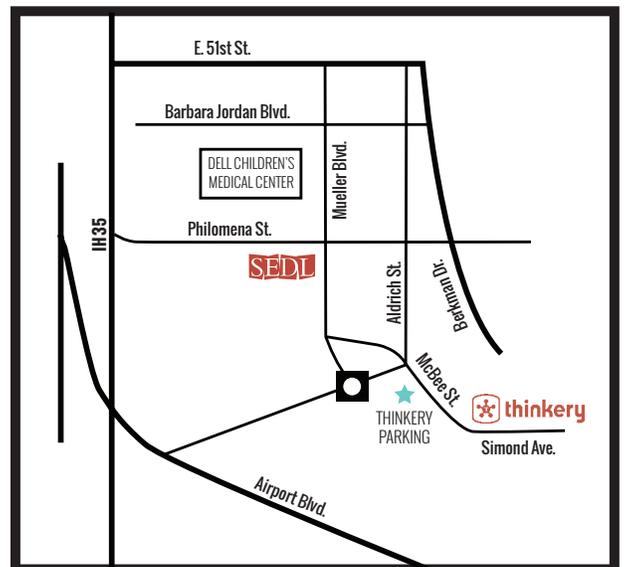
SEDL Headquarters
4700 Mueller Blvd.
Austin, TX 78723

Thinkery
1830 Simond Ave.
Austin, TX 78723

The summit will take place at SEDL. Due to limited parking in the area, participants are strongly encouraged to park at the free Mueller Town Center garage located north of the Thinkery on McBee Street.

The Thinkery is located approximately 0.5 miles from SEDL and we are offering free shuttles for your convenience. Shuttles will run in the morning between the Thinkery and SEDL from 9:00 to 10:00 a.m. At the end of the Summit, shuttles will take participants from SEDL to the Thinkery for our tour. Shuttles will run between SEDL and the Thinkery from 5:00 to 5:30 p.m.

Please do not use the parking lot across the street at Mueller Lake Park. That parking lot is intended for park visitors only and is not regulated by the Thinkery.



About the STEM XXI Network

The STEM XXI Network was founded by SEDL, IBM, Central Texas Discover Engineering, and the Thinkery. We are committed to enhancing the landscape of STEM (science, technology, engineering, and mathematics) teaching and learning in Texas.

SEDL

SEDL is a nonprofit education research, development, and dissemination organization based in Austin, Texas. SEDL partners with educators, administrators, parents, and policymakers to conduct research and development projects that result in strategies and resources to improve teaching and learning. SEDL also helps partners and clients bridge the gap between research and practice with professional development, technical assistance, and information services tailored to meet their needs.

IBM

IBM's continuing growth and innovation that has reinvented the company frequently in its 103-year history depends on a skilled globally-proficient workforce. Therefore, we are pleased to co-sponsor this Summit. IBM Austin is the company's second largest site in the U.S. and generates more patents than most other IBM facilities. A well-skilled and astute STEM workforce is vital for IBM and our entire community. From breakthrough technology in chip and server design to the Watson super computer, advanced research and design teams, IBM is driving the world forward.

The Thinkery

The Thinkery, the new Austin Children's Museum, creates innovative learning experiences that equip and inspire the next generation of creative problem solvers. The Thinkery opened in December 2013 at its new location in the Mueller development, and is Austin's new home for "why" and "how". It's a place where science and families play side by side. Founded in 1983 as a nonprofit organization, the Thinkery delivers its mission through a variety of exhibits, programs and outreach activities that focus on science, technology, engineering, art and math (STEAM), as well as healthy living.

Central Texas Discover Engineering

Central Texas Discover Engineering's mission is to excite Central Texas K–12 students to pursue careers in math, science and engineering through in-class, hands-on engineering activities and collaborative, volunteer-driven initiatives of the engineering and education communities. The program reaches more than 10,000 students each academic year. The organization consists of a year round steering committee supported by donations of cash, services, and volunteer time from local businesses and the community.