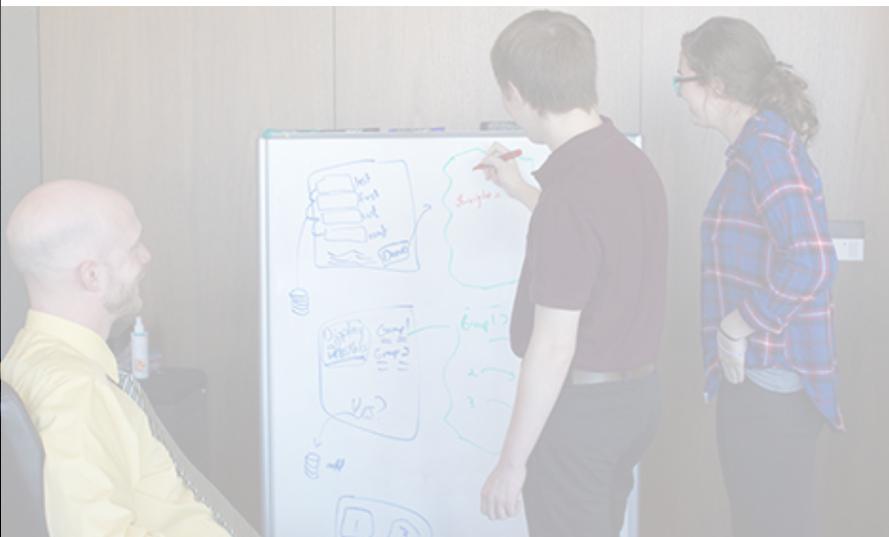




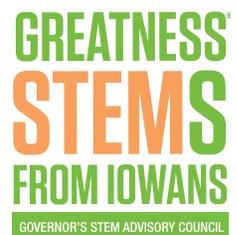
FAST-TRACK IOWA'S FUTURE



June 21, 2017

Iowa Events Center
730 3rd Street
Des Moines, IA 50309

Brought to you by:



CONFERENCE SNAPSHOT

8:30 to 9:45 a.m.
Room 106

Governor's STEM Advisory Council Meeting XVII (Public Welcome)

9:00 to 9:45 a.m.
Hy-Vee Hall C

REGISTRATION - Continental Breakfast and Networking

10:00 to 10:15 a.m.
Hy-Vee Hall C

OPENING REMARKS

Introduced by Beth Townsend, Director, Iowa Workforce Development

The Honorable Kim Reynolds

Governor of the State of Iowa
Co-Chair, Governor's STEM Advisory Council

The Honorable Adam Gregg

Lieutenant Governor of the State of Iowa

10:15 to 10:30 a.m.
Hy-Vee Hall C

CONFERENCE OVERVIEW

Beth Townsend, Director, Iowa Workforce Development

DAVID D. ETZWILER, CEO, Siemens Foundation

Introduced by Michael Bartlett, Policy Analyst, National Governors Association

10:30 to 11:15 a.m.
Hy-Vee Hall C

PANEL: MODEL PARTNERSHIPS - New, Emerging and Established workplace + education partnerships

Moderator: Beth Townsend, Director, Iowa Workforce Development

Panelists:

- Nick Glew, President, Marion Economic Development Corp (Community Promise Program)
- Jennifer Hartman, Principal, North Cedar Elementary School (Sidecar Coffee Partnership)
- Kris Byam, Principal, Boone High School (Krunk Plumbing Partnership)

11:30 a.m. to
12:30 p.m.
Breakout Rooms

SESSION I (See pages 3-4 for descriptions)

- Room 101/102: Teacher Internships and Externships in Business and Industry
- Room 103: Registered Apprenticeships and Quality Pre-Apprenticeships
- Room 104/105: Bringing Together Iowa Businesses and Youth
- Room 106: Assistive Technology and STEM - Success in the Classroom
- Room 107/108: STEM BEST® Models - Davenport West INSPIRE and Iowa BIG North Programs

12:30 to 1:30 p.m.
Hy-Vee Hall C

LUNCH - PICK N' PARK

KEYNOTE AT 1:05

PATRICIA KAMPLING, Chairman, President and CEO, Alliant Energy

Introduced by Dr. Jeff Weld, Executive Director, Governor's STEM Advisory Council

1:40 to 3:15 p.m.
Hy-Vee Hall C

SPEED SHOWCASE (See pages 7-12 for descriptions)

Facilitated by Paul Gibbins, North Central Regional Manager, Governor's STEM Advisory Council

3:30 to 4:30 p.m.
Breakout Rooms

SESSION II (See pages 5-6 for descriptions)

- Room 101/102: Convening Schools and Local Employers - Three Community Models
- Room 103: Labor Laws and Legal Issues of Work-Based Learning
- Room 104/105: Internships - Why They are Important for Businesses and Students
- Room 106: Pumping the Talent Pipeline - How Three Proactive Business Leaders Find STEM Talent
- Room 107/108: Iowa Intermediary Network - Connecting School Districts to Business

4:30 to 4:40 p.m.
Hy-Vee Hall C

CLOSING REFLECTIONS

Beth Townsend, Director, Iowa Workforce Development

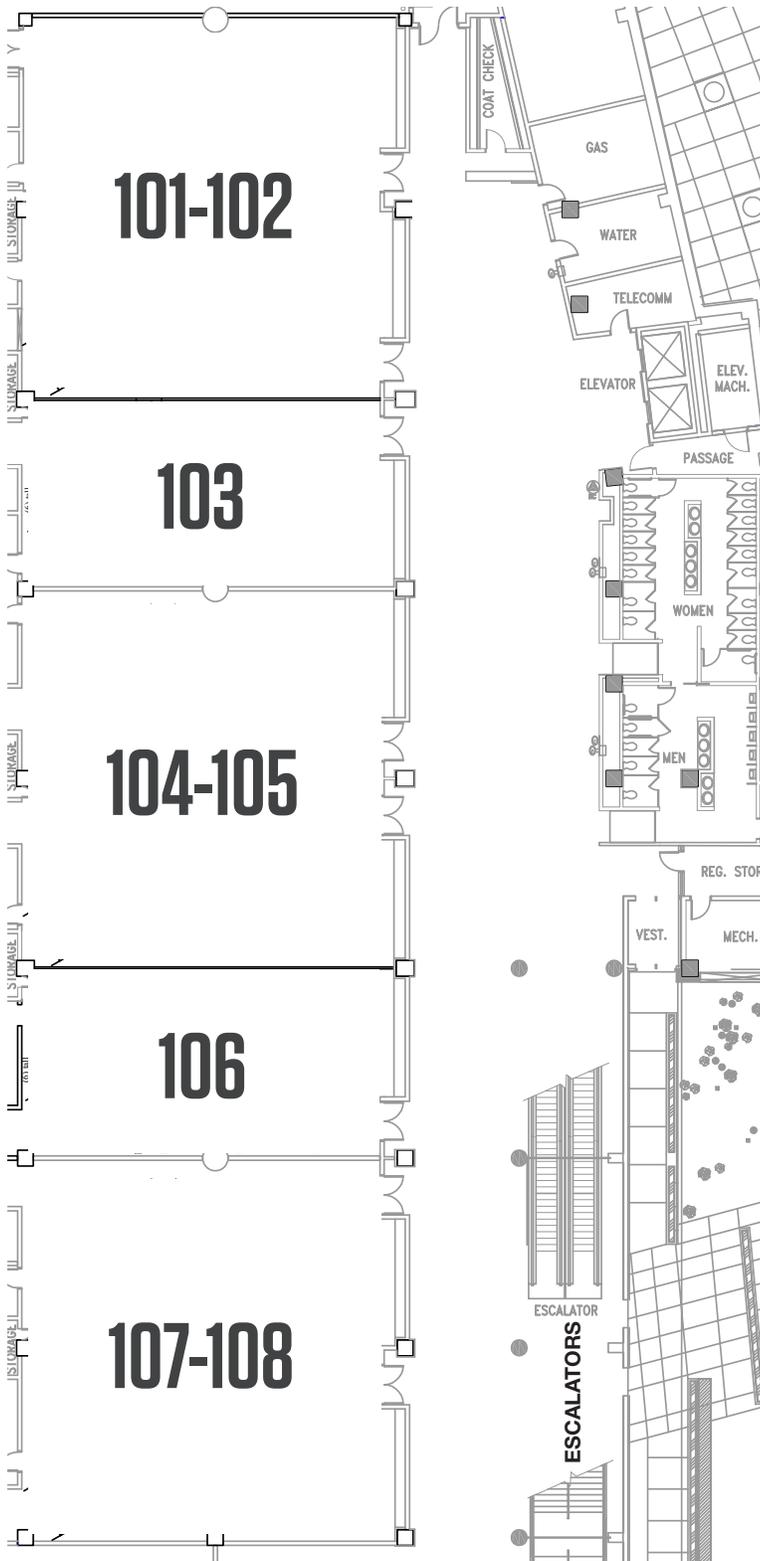
4:40 to 5:15 p.m.
Hy-Vee Hall C

REGIONAL MINGLE (See page 11 for descriptions)

Network with local employers, educators, intermediaries, resource providers and more

CONFERENCE ROOMS MAP AND INFORMATION

Hy-Vee Hall C is on Level 2, and the Breakout Rooms (below) are on Level 1 just down the escalators one floor from the registration tables.



GET CONNECTED

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FAST-TRACK IOWA'S FUTURE

WI-FI PASSWORD

STEM+WBL

GET SOCIAL



@IowaSTEM

AND USE:

#FastTrackIowaFuture

GET GOING

PAGE 1

Agenda

PAGE 2

Breakout Session Room Map

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Breakout Session I Descriptions

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Speed Showcase Descriptions

PAGE 5-6

Breakout Session II Descriptions

PAGE 13-14

Regional Mingle

PAGE 15

Speaker Biographies

SESSION I DESCRIPTIONS: 11:30 A.M. TO 12:30 P.M.

ROOM 101-102

Teacher Internships and Externships in Business and Industry

Facilitator: Jason Lang, Program Co-Coordinator, Iowa STEM Teacher Externships

Panelists:

- Amy Williams, Human Resources Manager, The Weitz Company
- Alex Liebrecht, Mathematics Teacher, Dowling Catholic High School
- Karen Swanson, Director of High School Programs, Indian Hills Community College
- Sara Rowe, Business/Talented and Gifted Teacher, School to Work Coordinator, Lynnville-Sully High School
- Teri Vos, Corporate Communications, Vermeer Corporation

Description: The necessity of connecting the workplace to schools, students and teachers has created many opportunities to do so, including workplace visits, teacher externships and teacher internships. These experiences aim to build bridges between businesses and schools across the state by allowing teachers to be engaged in the local workforce, learning about trends, skill requirements and career opportunities throughout Iowa. The goal of this session is to learn more about externships and introduce the audience to workplace visit programs, as well as externship and internship opportunities within Iowa. Information regarding program participation will also be provided.

ROOM 103

Registered Apprenticeships and Quality Pre-Apprenticeships

Facilitators:

- Greer Sisson, State Director, USDOL/Office of Apprenticeship
- Jill Lippincott, 15B Project Manager, Iowa Economic Development Authority
- Amy Beller, Registered Apprenticeship Program Coordinator, Iowa Workforce Development
- Gretchen Watznauer, Coordinator for Student Leadership, Central Campus, DMPS

Description: Employers need skilled workers. Employees want higher education and a good career without accruing a lot of debt. The solution—Registered Apprenticeship! Registered Apprenticeship is an employer-driven training model that combines on-the-job training with job-related instruction. This “earn and learn” approach helps workers start new careers, obtain national certifications, employment and helps businesses recruit, retain and build a highly-skilled competitive workforce.

ROOM 104-105

Bringing Together Iowa Businesses and Youth

Facilitator: Carly Voltz, Director of Strategic Advancement, iJAG

Panel:

- Tom Willoughby, Individual Life IT, Project Manager, Principal Financial Group
- Judith Lackore Monroe, DNP, Associate Professor of Nursing, Mercy College of Health Sciences

Description: “Why can’t we find great talent?” “What am I going to do when I graduate?” Iowa businesses and our State’s youth often struggle to answer these questions. This session will explore – with the help of some trailblazing Iowa businesses and inspiring youth – how their work together can produce long-term results for employers, students and communities alike. Participants will leave with best practices and a step-by-step model that they can use to make such collaborations possible.

SESSION I DESCRIPTIONS: 11:30 A.M. TO 12:30 P.M.

ROOM 106

Assistive Technology and STEM - Success in the Classroom

Facilitator: David Mitchell, Administrator, Iowa Vocational Rehabilitation Services

Presenters:

- Ben Burrig, Valley High School, 2017 Graduate
- Vienna Hoang, Assistive Technology Specialist, Iowa Vocational Rehabilitation Services

Description: Ben will be demonstrating various technology that has supported him in making school work more enjoyable. He has utilized software applications and an iPad to assist with cognitive processing. He also has participated in engineering classes and Robotic Competitions throughout high school. His post-secondary plans include studying engineering at Iowa State University. Vienna will discuss Assistive Technology strategies utilized with transitioning secondary school students with disabilities.

ROOM 107-108

STEM BEST® Models - Best Practices from Davenport West INSPIRE and Iowa BIG North Programs

Facilitator: Carrie Rankin, Assistant Director for Development, Governor's STEM Advisory Council

Panel:

- Madison Davis, Iowa Big North Graduate
- Brianna White, Iowa Big North Graduate
- Matt Finn, Iowa Big North Instructor
- Josh Byrnes, Osage Municipal Utilities, General Manager
- Mike Rashid, MA Ford Company
- Courtney Harris, Davenport West Student
- Savannah Strunk, Davenport West Student
- Gabby Baker, Davenport West Alumna, Past MA Ford Intern, Current MA Ford Employee
- Jennifer Boyd, Curriculum Specialist, Davenport West INSPIRE Program
- Greg Smith, Technology and PLTW Teacher, Davenport West

Description: Businesses and schools are partnering on a variety of work-based learning opportunities as discussed by two of the 18 STEM BEST Partners of the Governor's STEM Advisory Council. Davenport West INSPIRE Career Pathway Program has taken a traditional Career Academy model and developed it into a real-world setting where students apply their learning in a collaborative, integrated Capstone. Iowa BIG North is a consortium of school districts in Northeast Iowa (Charles City, New Hampton, Osage and Rudd-Rockford-Marble Rock) who share resources to offer an educational experience centered around student-passion, student-led, problem-based and authentic learning. Learn and ask questions about the evolution of each program, including obstacles and successes, with relevant takeaways to support you in building your model.

2017-18 STEM BEST Partner proposals due Sept. 15 at IowaSTEM.gov/STEMBEST/Proposal



SPECIAL NOTE:

All sessions will be recorded and archived at www.IowaSTEM.gov after the event, so that you can catch up on any session that you miss.

SESSION II DESCRIPTIONS: 3:30 TO 4:30 P.M.

ROOM 101-102

Connecting the Dots: Convening Schools and Local Employers – Three Community Models

Facilitators:

- Kristine Bullock, Southeast Regional STEM Manager, Governor’s STEM Advisory Council
- Dr. Sarah Derry, South Central Regional STEM Manager, Governor’s STEM Advisory Council

Panel:

- Dana Millard, Lee County Economic Development
- Kim Didier, Des Moines Area Community College Business Development
- David Barajas, Marshalltown Economic Development
- Dr. Chris Duree, Iowa Valley Community College District

Description: The panel will present models that bring schools and employers together for critical conversation and collaboration. Panelists will share who they convene, how and what the desired outcome is. Session attendees will have the opportunity to exchange ideas on creating local opportunities for school and employers to collaborate.

ROOM 103

Labor Laws and Legal Issues of Work-Based Learning

Facilitator: Kelli Diemer, Education Consultant, Iowa Department of Education

Panel:

- Robert E. Jester, Jester Insurance President
- David Wempen, Iowa Board of Educational Examiners Consultant
- Melissa Wright, U.S. Department of Labor, Wage and Hour Division

Description: This session will cover child labor laws, liability issues and teacher licensure in regard to work-based learning. Find out what the Fair Labor Standards Act says about work-based learning. Guidance around child labor rules will be covered. Get the answers to who is liable. Does the experience have to be paid? Teacher licensure guidance will also be covered. If you have questions, this session will give you answers.

ROOM 104-105

Internships - Why They are Important for Businesses and Students

Facilitator: Jennifer Meier, Program Manager/Internship Programs, Innovation Team, Iowa Economic Development Authority

Panel:

- Tayler Adolphson, Design Engineer and Internships Coordinator, Percival Scientific
- Kaly Etten, Leader of University Relations and K-12 Programs, Rockwell Collins
- Lauren Piper, Talent Acquisition Team, Pella Corporation
- Jodi Schafer, Senior Director of the Berry Career Institute, Cornell College
- Joely Swenson, Experiential Education Manager, College of Engineering, Iowa State University

Description: This session will highlight the most important benefits of having/hosting post-secondary internships from the student intern, career services and HR/employer perspectives through a panel discussion. The focus for this session will be based on exploring careers, building skills, the importance of interning early, having multiple internships and gaining experience as you transition into your full-time career, as well as the benefits of intern contributions to employers.

SESSION II DESCRIPTIONS: 3:30 TO 4:30 P.M.

ROOM 106

Pumping the Talent Pipeline – How Three Proactive Business Leaders Find STEM Talent

Facilitator: Dr. Jeff Weld, Executive Director, Governor’s STEM Advisory Council

Presenters:

- Marcie Stilwell-Krcil, Learning and Development, Cognizant Technology Solutions
- Randy Westman, Johnson Machine Works
- Teri Vos, Corporate Communications, Vermeer Corporation

Description: Iowa business leaders share what they look for (and are finding) in new hires and strategies they use for on-boarding, assimilating and keeping top new talent in the STEM fields of IT, steel fabrication and advanced manufacturing.

ROOM 107-108

Iowa Intermediary Network - Connecting School Districts to Business

Facilitator: Pradeep Kotamraju, Bureau Chief, Career and Technical Education, Iowa Department of Education

Panel:

- Laurie Worden, Workplace Learning Connection, Kirkwood Community College Intermediary
- Nick Glew, Marion Economic Development Corporation
- Sheryl Cline, Linn-Mar High School
- Karrie King, Career and Industry Recruitment Specialist, WITCC Iowa Intermediary Network
- Jo Ann Fredrikson, Career Academy Program Coordinator, Sioux City Community Schools
- Terri Hungerford, Iowa Valley Intermediary Program, Iowa Valley Community College District
- Valerie Corson, Marshalltown High School Counselor
- Samuel Ibarra, Human Resources Department, Emerson Fisher Controls

Description: Iowa’s 15 Statewide Intermediary Network Contacts (housed within each of the 15 community colleges) facilitate all types of work-based learning opportunities for all school district students, whether it is creating career exploration, providing job shadows or internships, or generally having students gain workplace experience, all with the overall goal of preparing high school students for college and career. Serving as the single point of contact, the Network Contacts connect school districts to businesses within their region. This session shows how easy it is for school districts to obtain information about work-based learning opportunities by simply contacting their regional Intermediary network.

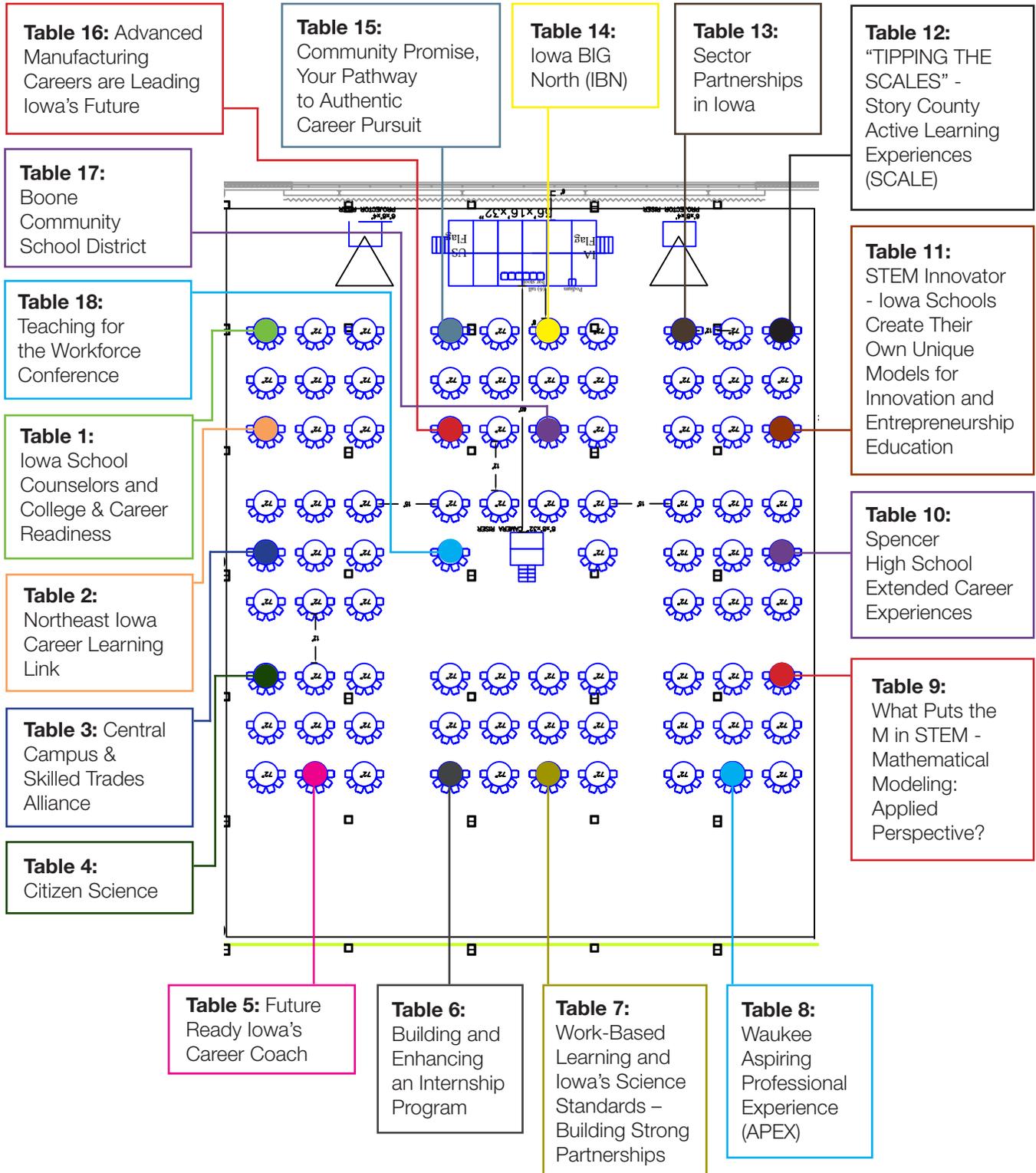


SPECIAL NOTE:

All sessions will be recorded and archived at www.IowaSTEM.gov after the event, so that you can catch up on any session that you miss.

SPEED SHOWCASE MAP: 1:40 TO 3:15 P.M.

Check out up to six topics in the Speed Showcase! Listed below are repeating sessions that occur every 14 minutes—feel free to walk in and out of the presentations as your interests change. Listen for the bell that will remind you to go on to your next session in the rotation. Session descriptions are on the next few pages.



SPEED SHOWCASE DESCRIPTIONS: 1:40 TO 3:15 P.M.

TABLE 1

Iowa School Counselors and College & Career Readiness

Presenters:

- David Ford, Postsecondary Success Lead, Mississippi Bend Area Education Agency
- Casey McMurray, Iowa School Counselor Association Past-President

Description: A study of school counselors' roles, responsibilities and practices to prepare Iowa students for their future as reported by school counselors and administrators. School counselors and administrators are uniquely positioned to lead the implementation of comprehensive college and career readiness programming in K-12 schools. As Iowa works toward a 70% postsecondary attainment goal including high-quality, industry-recognized credentials, college and career programming in K-12 schools provides the greatest leverage to meet the state's goal. The results of this study provide recommendations to the field regarding school counselors, administrators and college and career planning activities with specific implications related to Future Ready Iowa and the Governor's STEM Advisory Council.

TABLE 2

Northeast Iowa Career Learning Link

Presenter: Gena Gesing, Associate Director of Career and Intermediary Programs, Northeast Iowa Community College

Description: Northeast Iowa Career Learning Link (CLL) connects businesses and high schools by offering relevant, work-based learning activities for students and educators. CLL is currently funded through two grants - the federal Department of Labor Youth CareerConnect (YCC) and the State of Iowa Regional Work-Based Intermediary Network. The YCC grant is administered through a partnership between Northeast Iowa Community College, Upper Explorerland Regional Planning Commission and East Central Intergovernmental Association with the purpose of encouraging interest in high-demand career pathways. Participating students work individually with a career coach and have access to a variety of work-based learning opportunities.

TABLE 3

Central Campus & Skilled Trades Alliance

Presenters:

- Aiddy Phomvisay, Director of Central Campus, Des Moines Public Schools
- Gary Scrutchfield, President & CEO Lumberman's Supply Company, Skilled Trades Alliance Steering Committee, Co-Chair
- Rachel Flint, Vice President, Hubbell Homes, Skilled Trades Alliance Steering Committee, Co-Chair

Description: Des Moines Public Schools Central Campus, Iowa's Premier Regional Academy for Advance Career Programs, in partnership with the Skilled Trades Alliance is proud to launch a comprehensive Skilled Trades Academy starting in 2017. Learn how the Alliance quickly collaborated to garner much needed funding and alignment to provide pre-apprenticeship and registered apprenticeships. National reports forecast a 25% increase, or 8 million, new job openings in the construction trades by 2018. Industry leaders have committed financial support, access to training, equipment and expertise for mentoring. Members will actively recruit students to explore the world of work in their industry.

SPEED SHOWCASE DESCRIPTIONS: 1:40 TO 3:15 P.M.

TABLE 4

Citizen Science

Presenters:

- Dr. John Bedward, Department Chair, STEM, Buena Vista University
- Laura Wood, 21st Century Learning Specialist, Great Prairie AEA

Description: Citizen science is an opportunity for K-12 STEM students to participate in rural community resilience. It exposes them to authentic research, a network of STEM educators, scientists and community partners who are passionate about environmental monitoring and remediation, as well as technical community service projects. Citizen scientists leverage crowd-sourcing technologies, do-it-yourself (DIY) science and engineering applications and software tools to collect, organize and disseminate data to the public. It is a public good with far-reaching implications for STEM students interested in integrating their science and engineering design knowledge with real-world community-based problems.

TABLE 5

Future Ready Iowa Website and Iowa's Career Coach

Presenters:

- Paula Nissen, Education Program Consultant, Iowa Department of Education
- Ryan Murphy, Bureau Chief, Iowa Workforce Development

Description: "Future Ready Iowa" is the state's initiative to build Iowa's talent pipeline for the careers of today and tomorrow. The "Future Ready Iowa" initiative was created to develop strategies to improve the educational and training attainment of its citizens and the alignment of those degrees and credentials with employer demand. This session will demonstrate the Future Ready Iowa website and Iowa's Career Coach, which are mobile-friendly sites that connect job-seekers and students to local and statewide training options, geographically customized labor market information and job opportunities for in-demand occupations.

TABLE 6

Building and Enhancing an Internship Program

Presenters:

- Kaly Etten, Leader of University Relations and K-12 Programs, Rockwell Collins
- Marley Shelton, Student Programs Recruiter, Rockwell Collins

Description: This session will highlight operational strategies and business value in building a robust internship program. The focus for this session is to identify operational strategies that best fit your company's initiatives, qualities to identify college and university partnerships and metrics to measure success.

TABLE 7

Work-Based Learning and Iowa's Science Standards – Building Strong Partnerships

Presenter: Dr. Kris Kilibarda, State Science Consultant, Iowa Department of Education

Description: In support of career awareness, exploration and preparation, Change the Equation's Employer's Guide to Work-Based Learning describes several categories of work-based learning. This session will highlight those categories and provide some ways districts can support both career awareness/exploration and standards-based science instruction. This session will also discuss tips for developing equitable partnerships to ensure there is high-quality learning in all work-based learning experiences.

SPEED SHOWCASE DESCRIPTIONS: 1:40 TO 3:15 P.M.

TABLE 8

Waukee Aspiring Professional Experience (APEX)

Presenter: Michelle Hill, Director, Waukee APEX

Description: Through a collaboration between education, business and the community, Waukee Aspiring Professional Experience (APEX) develops highly-skilled, adaptable, global innovators and leaders. Waukee APEX draws on the expertise of business partners to bring real-world experience to high schoolers. Through passion-based learning, authentic projects and experiences, students add value to business partners while exploring career possibilities identified by economic trends within our metro area and state.

TABLE 9

What puts the M in STEM – Mathematical Modeling: Applied Perspective?

Presenter: Dr. Rick Spellerberg, formerly at Simpson College

Description: Mathematical Modeling is an area that tends to come after pure mathematics once we enter the applied mathematics realm. Mathematical Modeling is a process and not just a practice. In navigating our world, there is not a “right” answer but a multitude of solutions. K-12 instruction can include mathematical modeling process in addition to the practice to enhance learning experiences for students. This session will illustrate how to embed mathematical modeling throughout the K-12 curricula. There will be several resources for professional development and instruction shared.

TABLE 10

Spencer High School Extended Career Experiences

Presenters:

- Liz Kluver, Career Coordinator, Spencer High School
- Elli Wiemers, Principal, Spencer High School

Description: Spencer High School will be presenting on their Extended Career Experiences (ECEs). The ECEs provide on-the-job training for students in the areas of manufacturing, construction, automotive, entrepreneurship, hospitality and health sciences. Soon to be starting will be agriculture and teaching. They will share their story of how they were able to recruit very active business partners, create training agreements and wade through Child Labor Laws.

TABLE 11

STEM Innovator – Iowa Schools Create Their Own Unique Models for Innovation and Entrepreneurship Education

Presenters:

- Dawn Bowlus, Director, Jacobson Institute, University of Iowa
- Dr. Leslie Flynn, Clinical Professor, Tippie College of Business, University of Iowa

Description: The University of Iowa’s STEM Innovator is professional development for teachers and administrators who want to infuse innovation, invention and entrepreneurship into their schools. Using an entrepreneurial startup framework, schools create a unique model that works for their community. With 58 existing Iowa models, come learn how Iowa schools are leveraging STEM Innovator professional development to create opportunities for students to apply an entrepreneurial mindset and innovative thinking, work in teams and tackle real-world problems alongside business and industry partners. Whether you are a single teacher, team of teachers or school district wanting innovation and entrepreneurship education, STEM Innovator can assist you to develop YOUR model!

SPEED SHOWCASE DESCRIPTIONS: 1:40 TO 3:15 P.M.

TABLE 12

“TIPPING THE SCALES” – Story County Active Learning Experiences (SCALE)

Presenter: Brenda S. Dryer, Director of Workforce Solutions, Ames Chamber of Commerce and Economic Development

Description: Through a collaboration of education and our business community, the SCALE program seeks to develop highly-skilled and adaptable innovators and leaders. With inquiry-based learning and authentic projects and experiences, students add value to business partners while exploring passions and career possibilities identified by economic trends in Story County. This STEM initiative is a partnership of the Ames Chamber of Commerce and Economic Development, Des Moines Area Community College and the following eight school districts: Ames, Ballard, Boone, Collins-Maxwell, Colo-NESCO, Gilbert, Nevada and Roland-Story. SCALE is an elective course offered to juniors and seniors (no GPA requirement) by the partner high schools in which they earn both high school and college credit.

TABLE 13

Sector Partnerships in Iowa

Presenter: Joe Collins, Education Consultant, Sector Partnerships, Iowa Department of Education

Description: Although sector partnerships and industry boards are not new strategies in Iowa, a lot has changed recently in how they are being empowered and assisted by the Iowa Department of Education. With an expanding list of over 40 sector partnerships in a wide range of industries and at different stages of development, this is an exciting time for sector partnerships in Iowa! Join for this session to learn more about newly developed statewide materials, strategies and initiatives to continue to support and promote the development and growth of effective, collaborative sector partnerships across Iowa.

TABLE 14

Iowa BIG North (IBN)

Presenters:

- Madison Davis, IBN Graduate
- Brianna White, IBN Graduate
- Matt Finn, IBN Instructor
- Josh Byrnes, Osage Municipal Utilities General Manager
- Mike Kuennen, IBN Instructor
- Donna Forsyth, IBN Instructor

Description: Iowa BIG North is a consortium of school districts in Northeast Iowa (Charles City, New Hampton, Osage and RRMR) who share resources to offer an educational experience centered around student-passion, student-led, problem-based and authentic learning. The model is one of 18 STEM BEST awardees of the Governor’s STEM Advisory Council. The initiatives are comprised of outbound and inbound ideas for solving problems in our schools, communities and organizations. All initiative work, unless based at a business partner location, is completed off-campus at a shared workspace in the local communities. We believe more educational options are necessary for every student to be successful. Iowa BIG North exists to provide students with as many contextually-rich experiences as possible, so they not only develop basic skills, yet, more importantly, they can competently use those skills to solve real problems.

SPEED SHOWCASE DESCRIPTIONS: 1:40 TO 3:15 P.M.

TABLE 15

Community Promise – Your Pathway to Authentic Career Pursuit

Presenter: Nick Glew, President, Marion Economic Development Corporation

Description: Community Promise is a collaborative plan to connect students with high demand jobs. It streamlines and accelerates student engagement opportunities that support authentic career pursuit. Through MEDCO's Job Profile database, high-demand careers are promoted beyond just a job title and paycheck. We're talking about real life-long opportunities right in our own backyard. Our network of high school counselors are also ready to design custom academic pathways for students ready to pursue specific careers. We know how to build a plan for every student who pursues high demand jobs in our community. This is our Community Promise.

TABLE 16

Advanced Manufacturing Careers are Leading Iowa's Future

Presenter: Alexandra Monaghan, Elevate Advanced Manufacturing Program Coordinator

Description: Did you know in 2014, manufacturing supplied 216,887 jobs to Iowans with an average annual wage of \$54,401? The manufacturing industry is rapidly growing with new technology, a safe and clean environment and offers outstanding benefits. Elevate Iowa's mission is to improve the perception of Advanced Manufacturing careers and fill the skills gap across Iowa by educating parents, students and educators about the industry opportunities. Attend this session to learn about Elevate resources through scholarship dollars, online curriculum and company tours and presentations.

TABLE 17

Boone Community School District

Presenters:

- Kris Byam, Principal, Boone High School
- Jill Janes, Director of Innovative Learning, Boone Community School District
- Chad Houston, President/Owner, Kruck Plumbing & Heating

Description: Boone Community School District will share their work-based learning continuum that supports all students. Their comprehensive approach is unique to work-based learning experiences that provide on-the-job training, pre-apprenticeship, project-based and internship experiences. Come join BCSD and business partners to see how the pieces fit together.

TABLE 18

Teaching for the Workforce Conference

Presenters:

- Kim Didier, Executive Director of DMACC Business Resources
- Amy Steenhoek, Work-Based Learning Coordinator, Career Discovery Network

Description: DMACC Business Resources and the regional economic group, Opportunity Squared, has partnered for the past three years to provide a unique continuing education learning experience for K-12 Educators in and around the Marion County region. Learn about how the conference connects business, industry and education during the four-day experience. Participants take part in industry tours, presentations and hands-on experiences that focus on the skill needs of the changing regional workforce. Educators experience today's real STEM workplaces and build an understanding of essential concepts for workplace success.

REGIONAL MINGLE: 4:40 TO 5:15 P.M.

Stay after the conference's closing remarks to network regionally with employers, intermediaries, educators, resource providers and more. Your Regional STEM Manager of the Iowa Governor's STEM Advisory Council will guide you to a specific area in the ballroom to mingle and establish partnerships with people in or near your communities. Go to www.iowaSTEM.gov/Regions or check out the next page to find your region.



NORTHWEST REGION
Facilitated by Mary Trent,
Northwest Regional Manager,
Governor's STEM Advisory Council



SOUTHWEST REGION
Facilitated by Deb Frazee,
Southwest Regional Manager,
Governor's STEM Advisory Council



NORTH CENTRAL REGION
Facilitated by Paul Gibbins,
North Central Regional Manager,
Governor's STEM Advisory Council



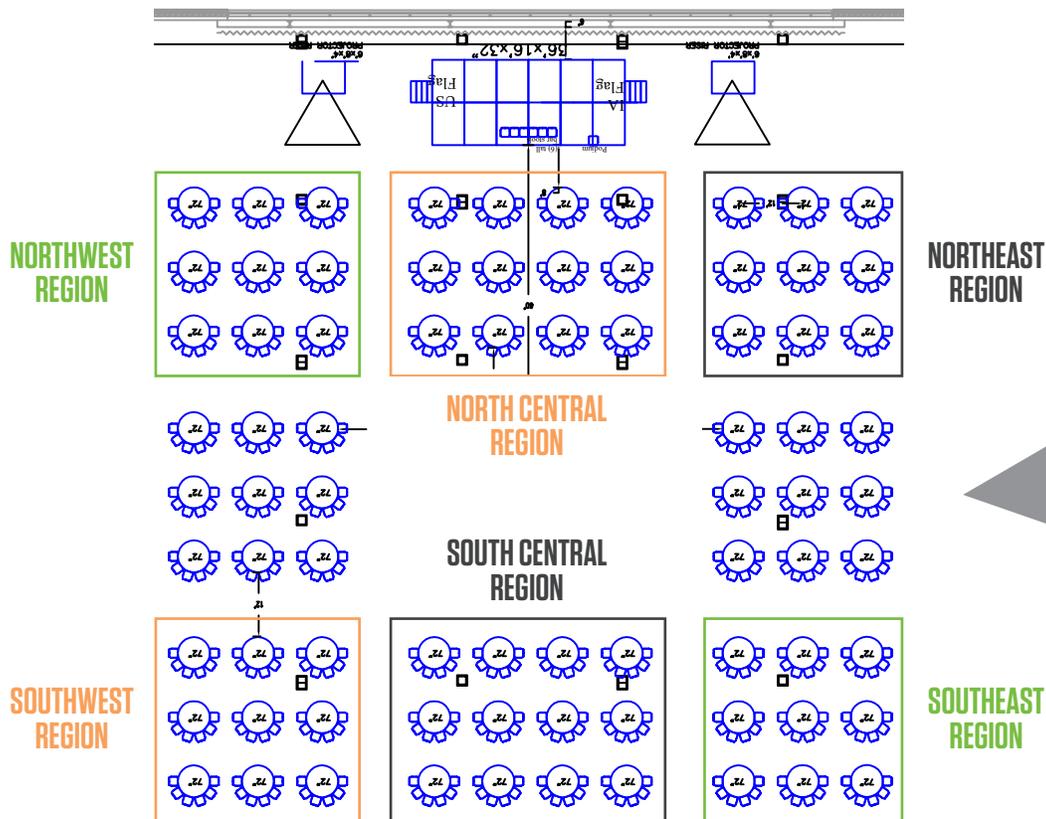
SOUTH CENTRAL REGION
Facilitated by Dr. Sarah Derry,
South Central Regional Manager,
Governor's STEM Advisory Council



NORTHEAST REGION
Facilitated by Jeff Beneke,
Northeast Regional Manager,
Governor's STEM Advisory Council

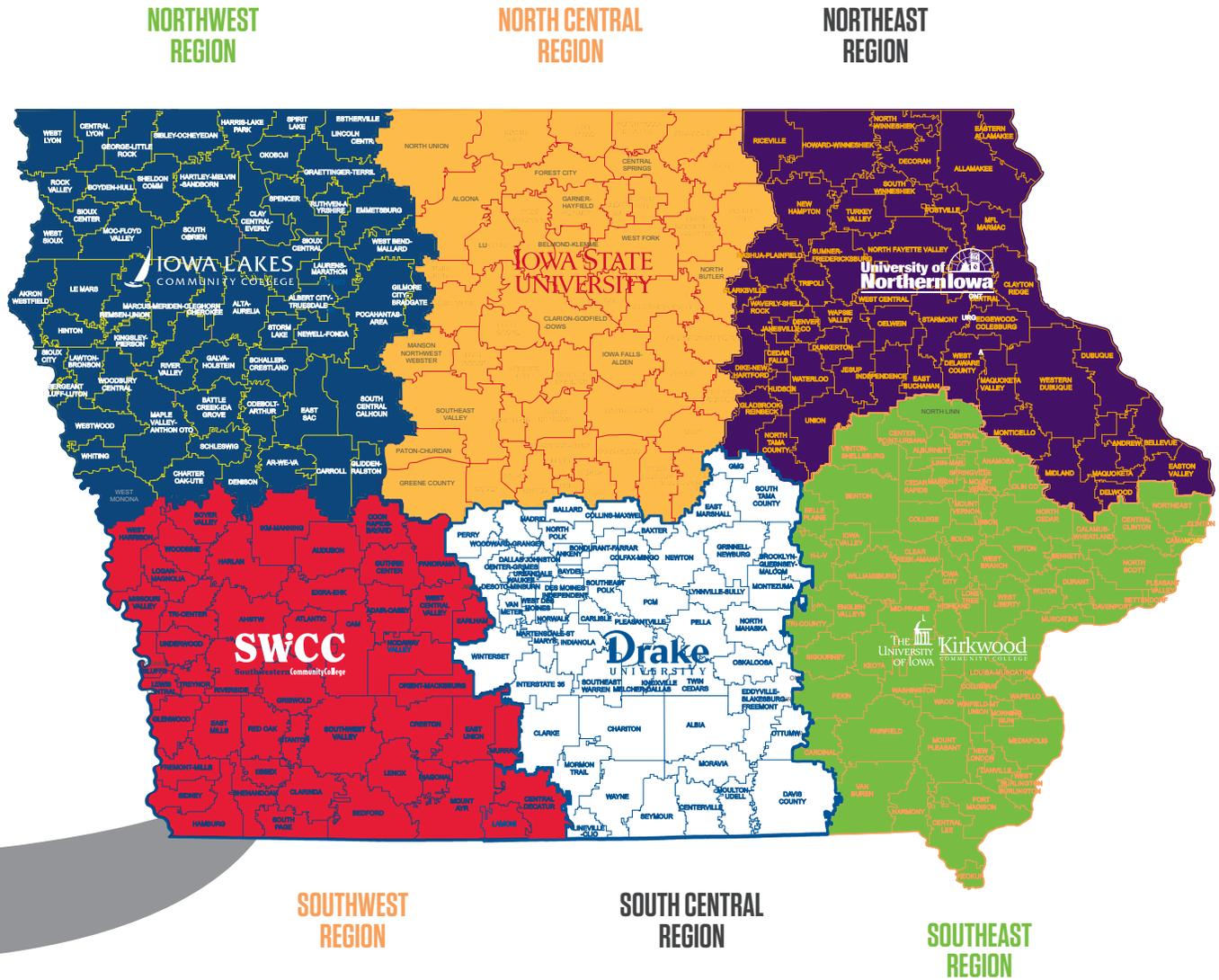


SOUTHEAST REGION
Facilitated by Kristine Bullock,
Southeast Regional Manager,
Governor's STEM Advisory Council



REGIONAL STEM NETWORK MAP

In each region, a regional STEM manager housed at either a university or community college serves as a local connector to help facilitate and build school-business partnerships in STEM. The six Iowa STEM regions are distributed based on school district boundaries. To find your STEM region, locate the school district area you are from, then use the map on the previous page to see where you can meet others in your region.



KEYNOTE SPEAKER BIOGRAPHIES



Kim Reynolds became the 43rd governor of Iowa on May 23, 2017. She has served as the Clarke County Treasurer and state senator. For more than six years, she served as our lieutenant governor. Her responsibilities included chairing the Governor's Science Technology Engineering and Mathematics (STEM) Advisory Council, leading trade missions and chairing the Iowa Energy Plan while assisting the governor in balancing the budget and job creation initiatives. As governor, she is committed to connecting Iowans to better jobs through the Future Ready Iowa Initiative, which she chaired as lieutenant governor, and has the goal for 70 percent of Iowans to have some form of postsecondary education or certificate by 2025.



Adam Gregg was designated by Governor Kim Reynolds to serve as Lieutenant Governor of the State of Iowa on May 24, 2017. He previously served as the Iowa State Public Defender where he drew praise for streamlining the process granting the Constitutional right to counsel for Iowans. He was the Republican nominee for Attorney General in 2014. In 2013 and 2014, Adam served in the Governor's Office as legislative liaison and policy advisor. Prior to joining the Governor's Office, Adam practiced at the BrownWinick law firm in Des Moines. He is a graduate of Drake University Law School and Central College in Pella. He is married with two children.



David Etzwiler is CEO of the Siemens Foundation. Under his leadership, the Foundation has increasingly focused its STEM education efforts on middle skill workforce development in the U.S. Before joining Siemens, he led the Decade of Discovery in Diabetes, a partnership of the Mayo Clinic, the University of MN and the State of MN and spent 13 years with Medtronic, Inc., most recently as VP of Community Affairs and Executive Director, Medtronic Foundation. David earned his JD, cum laude, from the University of MN, and prior to taking on leadership roles in the field of philanthropy, practiced law with an emphasis on charitable giving, estate planning and non-profit management. David is Vice-Chair of the Conference Board's CSR Committee and serves on the Boards of the Siemens Foundation and the World Affairs Council in Washington, D.C.



Patricia (Pat) Kampling is Alliant Energy's Chairman, President and CEO. Pat joined the company in 2005 as VP-Finance and became CFO in 2009. In 2011 she became President and COO, assuming her current position in April 2012. Pat has a 30-year tenure in the utility industry, spending more than 20 years serving in various positions at ComEd and other subsidiaries of Exelon Corporation. She received a BS-Engineering and a BA-Economics from Swarthmore College. She received an MBA from the University of Chicago Booth School of Business. Pat serves on the Boards of Directors of American Transmission Company, Briggs & Stratton Corporation and several industry institutes. She also serves locally on the Boards of the Wisconsin Manufacturers and Commerce and the United Way of Dane County.



Beth Townsend is the Director of the Iowa Workforce Development. She is a graduate of Kearney State College, Kearney Nebraska and the University of Nebraska Law School. She is a member of the Nebraska and Iowa state bar. Prior to her current role, she was the Director of the Iowa Civil Rights Commission, appointed by Iowa Governor Terry Branstad. Previously, Director Townsend was in private practice in West Des Moines, IA, in the area of civil rights and employment law. Director Townsend also served as a member of the Judge Advocate General, United States Air Force, where she prosecuted and defended airmen, and served as a military judge in her last reserve tour. She retired from the Air Force Reserve in August 2010 as a Lieutenant Colonel after 21 years of active and reserve duty. Director Townsend is the mother of one adult son and is a proud member of the Choctaw Nation.

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