



Transforming Education for the Workforce – An event of the Governor’s STEM Advisory Council

Monday, April 13, 2020 - 5:00 to 7:00 p.m.

Evening pre-event reception open to all attendees (registration requested)
 Science Center of Iowa | 401 W Martin Luther King Jr Pkwy | Des Moines, IA

5:00 p.m. Pre-event Reception

6:00 p.m. Program

- Welcome – Curt Simmons, Science Center of Iowa Executive Director
- Remarks – Council Co-chairs Governor Kim Reynolds (TBD), Accumold President and CEO Roger Hargens, Executive Director Jeff Weld
- Like-groups assemble (optional):
 - STEM BEST awardees
 - Externs
 - Iowa STEM Teacher awardees
 - Youth Advisory Group
 - Possibly others

Tuesday, April 14, 2020 – 8:00 a.m. to 2:00 p.m.

Transforming Education for the Workforce Summit

Iowa Events Center - Community Choice Credit Union Convention Center – Level 4 Ballrooms Area
 730 Third Street | Des Moines, Iowa

MC: Jeff Weld, Executive Director of the Governor’s STEM Advisory Council

8:00 to 9:00 a.m. Registration – Continental Breakfast and Networking

9:00 to 9:10 a.m. “Transforming Education for the Workforce” – The Honorable Kim Reynolds, Governor of Iowa, Introduced by Jeff Weld, Iowa Governor’s STEM Advisory Council Executive Director

9:10 to 9:15 a.m. **Special presentation: “I’m depending on you – prepare me for the future!”** - Mr. Langston Saint, West Middle School (Sioux City) Seventh-grader

9:15 to 9:35 a.m. **Three Iowa Employers Tell It Like It Is**

- Kerry Gumm, Principal Head of Workforce and Culture
- Roger Hargens, Accumold President and CEO
- Andrew Roelfs, Interstates Electrical Training and Development Manager

1. *The hiring outlook for my company in the STEM areas versus other areas;*
2. *Qualifications and skills in highest demand;*
3. *Salary/benefits package typically;*
4. *Opportunities for advancement;*
5. *My company’s engagement in work-based learning to cultivate future employees;*
6. *My degree of confidence that Iowa’s talent pipeline can meet our future needs.*

9:35 to 10:05 a.m. **Reaction Panel – Iowa’s Talent Pipeline**

Moderated by Cindy Dietz, United Technologies Corporation Associate Director of State Government Relations

- Chris Cournoyer, Iowa Senate
- Lowell Ernst, Pella Community Schools Director of K-12 Instruction
- Susie Meade, Winterset Community Schools Superintendent
- Nancy Mwiroti, PI 515 Founder and Executive Director
- Val Newhouse, Iowa Lakes Community College President
- Mark Nook, University of Northern Iowa President

10:05 to 10:20 a.m. **Break – Transition to break-outs**

10:20 to 11:05 a.m. **Breakout Session I: *Work-based Learning Theme***

1. Skill training, mentoring, and 4-week internships for young adults, Four Oaks Family and Children’s Services
2. Iowa Clearinghouse for Work-based Learning: Projects + Partners = Potential, Jake Welchans, Iowa Department of Education Project Manager, Laura Williams, AEA Learning Online 21st Century Learning Specialist
3. Promoting work-based learning opportunities in rural Iowa schools through STEM and community college partnerships, Holly O’Brien, NICC Success Coordinator, Gena Gesing, NICC Director of Career Services, Mike Kuennen, Iowa BIG North Facilitator, Sarah Updegraff, New Hampton High School Principal, Iowa BIG North students.
4. NIACC’s multi-pronged approach to connect STEM education with workforce readiness for youth from PreK to our community college graduates.
5. Building Iowa’s future ready workforce: A role for private colleges and universities too? Joel Sikkema, Ph.D. Dordt University Director of Professional-Technical Education and Associate Professor of Engineering.
6. Okoboji, Graettinger-Terril, Spencer, Ruthven-Ayrshire STEM BEST No Boundaries Program, Students and Facilitators Carry Miller, Ayn Thoreson and Becky Reints.
7. Kossuth/Palo Alto Intern Program, Maureen Elbert, Kossuth/Palo Alto County Economic Development Corporation Executive Director.
8. High School Registered Apprenticeships, Kathy Leggett, Future Ready Iowa Policy Adviser, Amy Bellar, Iowa Workforce Development Registered Apprenticeship Program Coordinator, and employers, teachers, students, administrators

11:05 to 11:15 a.m. **Break**

11:15 a.m. to Noon **Breakout Session II: Computer Science Education**

1. Computer Science is Education, A Story of a Rural School’s Successful Partnerships, Kingsley Pierson educators Jenn Conrad and Jenni Spooner, with Wren Hoffman, Iowa Department of Education Computer Science is Elementary Project Manager, Mary Trent, Governor’s STEM Advisory Council Northwest Regional STEM Manager.
2. TAI (invited)

3. Osage Schools + NewBoCo Computer Science integration Professional Development, Barb Schwamman and Kelley Molitor, Osage Community Schools
4. Iowa Cyber Hub: Creating a cyber workforce across Iowa, Doug Jacobson, Iowa State University Professor, MD Isley, DMACC Vice President of Academic Affairs, Dave Nelson, Pratum CEO, Michelle Hill, Waukee High School APEX Director.
5. Bridging Students and Technology Professionals, Tim Sieber, Tech Journey Executive Director.
6. Using Computer Science Education Week & Hour of Code to drive School & Business Partnerships, Corey Rogers, Grant Wood AEA Digital Learning Consultant, Samantha Dahlby, NewBoCo K-12 Education Coordinator, Gary Vogt, Kirkwood Community College Outreach Coordinator, and Steve Davis, Bio::Neos Owner and President
7. Using IT Apprenticeships To Handle The Tech Talent Crunch, Aaron Horn, NewBoCo Chief Operating Officer, Britton Langdon, Katherine Pine (tentative), and Igor Dobrosavljević
8. Computer Science Education Partnership of Greene County Schools and The Forge (invited)

Noon to 1:00 p.m.

Lunch + Polling

Midway through lunch (12:35), attendees respond using cell-phone app to questions about what works well and where we need to work harder – results appear in real time on big screen.

Associate Director Carrie Rankin

1:00 to 1:20 p.m.

Telling Iowa's STEM Story – New PSAs airing near you! STEM Council Communications

Manager Lindy Ibeling

1:20 to 1:45 p.m.

State Agencies Actions to *Transform Education for the Workforce*

- Debi Durham, Iowa Economic Development Authority Director
- Ann Lebo, Iowa Board of Educational Examiners Director
- Beth Townsend, Iowa Workforce Development Director
- Iowa Department of Education Director

1:45 to 2:00 p.m.

Closing Remarks – The Honorable Kim Reynolds, Governor of Iowa (re-introduced by STEM

Council executive director Jeff Weld)

2:15 to 2:45 p.m. Special Session for Educators

Central Rivers AEA Credit Course Introduction Meeting

Ashley Flatebo, Central Rivers AEA with enrolled educators earning credits for attending