

49th NAWI Annual Conference - 2014 Portland, Oregon



May 21-22, 2014
Mt. Hood Community College
Portland, Oregon

[DOWNLOAD THE
CONFERENCE PROGRAM
\(PDF\)](#)

“CTE and STEM: Engaging
Minds, Embracing
Technology, Emphasizing
Career, College and
Innovation Readiness”



Student Focus

- Preparing students for the workforce
- Implementing differentiated teaching methods that work
- Identifying innovative best practices in Career Education
- Creating and maintaining business/industry/education partnerships and internships as a part of a meaningful and applied education experience for students

Industry Focus

- Contributing to economic development: how CTE makes it happen
- Providing opportunities for organizations to share their talents, resources, expertise, and real world projects by creating and maintaining business/industry/education partnerships and internships as a part of a meaningful and applied education experience for students to develop their 21st century skills

Teacher/Administrator/Counselor Focus

- Contributing to economic development: how CTE makes it happen
- Providing opportunities for organizations to share their talents, resources, expertise, and real world projects by creating and maintaining business/industry/education partnerships and internships as a part of a meaningful and applied education experience for students to develop their 21st century skills



Tentative Conference Schedule

Wednesday May 21, 2014

8:15 am – 9:45 am Breakfast and Opening General Session

- Breakfast Keynote Speaker: Mark Lewis, Oregon Education Investment Board

10:00 am – 10:50 am Concurrent Sessions A

- UNIFIED School-based Businesses – CTE for Learners of All Levels
 - Laurie Kash and Michael Carter, Rainier School District, Rainier, OR
- Enriching the STEM Environment: Partnering with K-12 Schools to Grow Your STEM Talent Pipeline
 - Richard Murphy & Graham Elmore, Orangeburg-Calhoun Technical College
- Edugaming: Keeping the Quiz Out of Educational Games
 - Mark Rasley & Steven Weitz, Leigh Carbon Community College
- Industry Tours Supporting the Common Core
 - Marilyn Barger, Florida Advanced Technological Education Center of Excellence

11:00 am – 11:50 am Concurrent Sessions B

- Enhancing the Quality of Current Career Technical Programs of Study to Meet College and Career Readiness Goals
 - Dick Blais, Southern Regional Education Board
- Smoke is to Fire as STEAM is to . . .
 - Michael Fridley, Oregon Department of Education
- Empowering All: Perfecting Differentiation Through Observation, Conversation, and Action
 - Paul Coakley, Eric Blackford & Megan Keplinger, Rainier School District, Rainier, OR
- Merging STEM Students and Industry in the 21st Century
 - Karen Wosczyzna-Birch, Eric Flynn, John Birch & Wendy Robicheau, Regional Center for Next Generation Manufacturing, Gateway Community College & Life Support and Sustainable Living Program

12:00 pm – 1:20 pm Luncheon

- Luncheon Keynote Speaker: David Karlson, Google

1:30 pm – 2:20 pm Concurrent Sessions C

- Pathways to Careers in Seattle: It Takes a City
 - Leslie Haynes, Jason Petrait, Matthew Houghton & Chris Pierson, Pathways to Careers Chancellor's Office, Seattle Community Colleges

- Enhancing Student Learning by Making STEM Teachers More Effective
 - Laura LeMire & Andrew Mangle, The Community College of Baltimore County
- Supporting Cross-Disciplinary, Student-led Projects That Build Engagement and Realize Core Learning Outcomes
 - Denise Roy & Heidi Sickert, Portland Community College
- Unlocking the Code: A Collaborative Approach to Meeting Industry Needs
 - Josephine Pino, Naomi Allen & Cheryl Bondurant, HemCon Medical Technologies, Inc.

2:30 pm – 3:20 pm Concurrent Sessions D

- Bridging Underrepresented Young Professionals with the Tech Sector: Lessons Showcased
 - Ingrid Hu Dahl, Next Gen Youth Programs, Bay Area Video Coalition
- Making and CTE: What are the Differences?
 - Doug Webster, Vermont Agency of Education
- Teaching Self-determination and self- discovery through the use of interest profilers and transition lessons for learners of all levels
 - Heidi Schafer & Matt Schafer, Rainier School District, Rainier, OR
- Solar Energy Training: An Introduction for Non-Technicians
 - Jim Gibson, Sue Isermann, Jamie Gahm & Rosie Lynch, Illinois Valley Community College

3:30 pm – 4:20 pm Concurrent Sessions E

- Recruiting Girls to STEM Careers
 - Karen Birch & Marilyn Barger, Florida Advanced Technological Education Center of Excellence & Hartford College of Technology
- Collaborative Manufacturing: Connecting Students, Colleges, Industry, and Workforce Investment Boards
 - Mark Vesligaj, Quinebaug Valley Community College
- Building Information Modeling: Teaching Strategies and Preparing Students for the Workforce
 - Sofia Vidalis, Penn State Harrisburg
- RealCare with Infant Simulators
 - Janelle Krause, Reality Works

4:30 pm – 5:00 pm Visit Vendors

6:00 pm – 8:15 pm Networking Dinner at Edgefield

- Dinner Keynote Speaker: Rob van Hood, Tinker/Maker, Catlin Gabel School, Portland, OR

8:15 pm onward - Fabulous Festivities at Edgefield!

Thursday May 22, 2014

8:15 am – 9:45 am Breakfast and Opening General Session

- Conference Welcoming Address: Debra Derr, Mt. Hood Community College President
- Keynote Speaker: Tavish Ledesma, Intel

10:00 am – 10:50 am Concurrent Sessions F

- Youth Transition Program and Career Technical Education: Best Practices for Empowering a New Workforce
 - Jeri Dickinson, University of Oregon & Oregon Youth Transition Program
- Engaging STEM Students in FIRST Robotics with Manufacturing Skills Training
 - Patrick Kraft & Todd Sanders, Portland Community College
- Digital Badges for Career Competencies: Findings from the DPD Project
 - Nate Otto, Indiana University
- Catalyst and Connector: The ABC's of Fab Labs
 - David Richardson, United States Fab Lab Network

11:00 am – 11:50 am Concurrent Sessions G

- Career Connections: A new plan to reach the future workforce
 - Mel Cossette, Edmonds Community College
- Using Collaboration and Technology to Coordinate Industry Outreach
 - Jarrod Hogue, Marc Goldberg & Bahkitirose Dawdy, Mt. Hood Community College
- Strategies for Teaching Online and Hybrid Courses
 - Mahmoud Al-Odeh, Shawn Strong, & Halbana Tarmizi, Bemidji State University
- Manufacturing and Education Collaboration for Positive Student Interest, Engagement and Results
 - Jo Ann Mitchell & Mark Pongranz Bartha, Sandvik Coromant

12:00 pm – 1:20 pm Luncheon

- Lunch Speakers: Workforce Improvement for All

- Lauren Lindstrom, Associate Dean of Research and Academics, University of Oregon, College of Education
- Bob Simonyi, CEO Tech Heads

1:00 pm – 2:00 pm Visit Vendors

2:00 pm – 2:50 pm Concurrent Sessions H

- Creating Career PATHS for Young Women with Disabilities
 - Lauren Lindstrom & Cindy Post, University of Oregon
- Advanced Career: A Standards Based CTE Program
 - Dick Blais, Southern Regional Education Board
- Leveraging the MOOC Model for Technology Education
 - John Anderson, Irina Demeshko & Joe Stuart, El Camino College, NV, & Oregon Institute of Technology, OR
- Changing Indiana CTE Teaching and Recruitment, Training and Retention
 - Charlie Feldhaus & David Nickolich, Purdue School of Engineering and Technology at IUPUI

3:00 pm – 3:50 pm Concurrent Sessions I

- The Importance of Workforce Development and the Mission of the Community College
 - Debra Derr, Mt. Hood Community College
- Online CTE Engagement and Reducing Textbook Costs
 - Rod Boyes, Today's Class
- Problem Based Learning (PBL) in Advanced Manufacturing: Implementing a Transformative Workforce Preparation Strategy
 - Nicholas Massa & Nicole Schepker, Springfield Technical Community College & the New England Board of Higher Education
- Bridging the Divide: Building the Pipeline through STEM Education
 - Yvonne M. Spicer, National Center for Technological Literacy, Museum of Science, Boston

4:00 pm – 4:15 pm Good Byes and Final Door Prize Drawing

4:15 pm onward – Let's Get Happy Hour!