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
  o 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
  o Richard Murphy & Graham Elmore, Orangeburg-Calhoun Technical College
• Edugaming: Keeping the Quiz Out of Educational Games
  o Mark Rasley & Steven Weitz, Leigh Carbon Community College
• Industry Tours Supporting the Common Core
  o 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
  o Dick Blais, Southern Regional Education Board
• Smoke is to Fire as STEAM is to . . .
  o Michael Fridley, Oregon Department of Education
• Empowering All: Perfecting Differentiation Through Observation, Conversation, and Action
  o Paul Coakley, Eric Blackford & Megan Keplinger, Rainier School District, Rainier, OR
• Merging STEM Students and Industry in the 21st Century
  o Karen Wosczyyna-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
  o 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  
  o Laura LeMire & Andrew Mangle, The Community College of Baltimore County  
• Supporting Cross-Disciplinary, Student-led Projects That Build Engagement and Realize Core Learning Outcomes  
  o Denise Roy & Heidi Sickert, Portland Community College  
• Unlocking the Code: A Collaborative Approach to Meeting Industry Needs  
  o 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  
  o Ingrid Hu Dahl, Next Gen Youth Programs, Bay Area Video Coalition  
• Making and CTE: What are the Differences?  
  o Doug Webster, Vermont Agency of Education  
• Teaching Self-determination and self-discovery though the use of interest profilers and transition lessons for learners of all levels  
  o Heidi Schafer & Matt Schafer, Rainier School District, Rainier, OR  
• Solar Energy Training: An Introduction for Non-Technicians  
  o 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  
  o 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  
  o Mark Vesligaj, Quinebaug Valley Community College  
• Building Information Modeling: Teaching Strategies and Preparing Students for the Workforce  
  o Sofia Vidalis, Penn State Harrisburg  
• RealCare with Infant Simulators  
  o 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
  o Jeri Dickinson, University of Oregon & Oregon Youth Transition Program
• Engaging STEM Students in FIRST Robotics with Manufacturing Skills Training
  o Patrick Kraft & Todd Sanders, Portland Community College
• Digital Badges for Career Competencies: Findings from the DPD Project
  o Nate Otto, Indiana University
• Catalyst and Connector: The ABC’s of Fab Labs
  o 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
  o Mel Cossette, Edmonds Community College
• Using Collaboration and Technology to Coordinate Industry Outreach
  o Jarrod Hogue, Marc Goldberg & Bahkitirose Dawdy, Mt. Hood Community College
• Strategies for Teaching Online and Hybrid Courses
  o Mahmoud Al-Odeh, Shawn Strong, & Halbana Tarmizi, Bemidji State University
• Manufacturing and Education Collaboration for Positive Student Interest, Engagement and Results
  o 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!