



OregonCSTA.org

Computer Science Education in Oregon Symposium

Saturday, June 25, 2016

Mentor Graphics, 8005 Boeckman Rd, Wilsonville, Commons Building Cafeteria

Presented by Portland State University, the Oregon Computer Science Teachers Association, and the Willamette Education Service District

Goals for this symposium

- Make the case that the need for CS goes beyond more software engineers
- Overview of the moving pieces at play in CS education in Oregon and nationally, to better enable collaboration
- See new opportunities for collaboration and resource leveraging, especially across the industry-education boundary

Master of Ceremonies: Terrel Smith, President, Oregon Computer Science Teachers Association

8:00 Registration and breakfast buffet opens

8:30 Welcome & Intro: CS Everywhere - Who we are and why we are here?

Terrel Smith, President Oregon Computer Science Teachers Association

Mark Lewis, Policy Director, STEM and CTE, Chief Education Office, State of Oregon

Self Introductions to your tablemates

9:00 What Oregon has to offer:

Industry Perspective - *Jim Wasko, IBM Vice President Open Systems Development*

Post-secondary perspective - *Ivan Sutherland, Godfather Virtual Reality*

K-12 Lens perspective - *Terrel Smith, President Oregon CSTA*

10:00 Discussion and Reflection

What do you or your organization hope to gain from this vision

How do you or your organization hope to contribute to this vision

10:30 Break

10:45 Systems and Investments: State Perspective

Mark Lewis, Policy Director, STEM and CTE, Chief Education Office, State of Oregon

11:00 Non Profit Partners - Introduction by Beth Unverzagt - Executive Director, OregonASK

Julia Soto - Director, ASE Program, Saturday Academy

Darrin Marks - STEM Connect, Community Development Director, Business Education Compact

Arian Kulp - Director, Oregon Game Project Challenge

11:35 National Perspective: CS4ALL - Call to Action

Ruthe Farmer - Senior Policy Advisor for Tech Inclusion, Office of Science & Technology, USA

~ Adjournment at Noon ~



Ruthe Farmer

Senior Policy Advisor for Tech Inclusion at the White House Office of Science & Technology Policy, she focuses on President Obama's call to action for Computer Science for All and other tech related initiatives. Over the course of her career, Ms. Farmer has successfully launched and scaled up multiple national programs including Intel Design & Discovery, LEGO Robotics for Girl Scouts (both started in Oregon), the NCWIT Award for Aspirations in Computing, TECHNOLOchicas campaign for Latinas, AspireIT outreach program, and more. She served as the 2012 Chair of Computer Science Education Week, was named a White House Champion of Change for Technology Inclusion in 2013, received the Anita Borg Institute Award for Social Impact in 2014, and the Education UK Alumni Award for Social Impact in 2015. She is a guest contributor for Techcrunch and the Shriver Report, and has been featured in Forbes and TechRepublic for her work. Ruthe holds a BA from Lewis & Clark College and an MBA in Social Entrepreneurship from the University of Oxford Said Business School. Ruthe is passionate about integrating innovative business strategies into social change efforts.

Thanks to our event host:

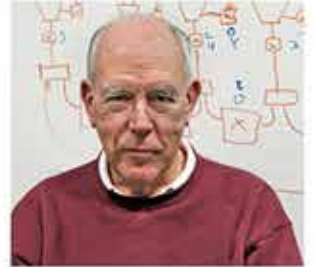




Jim Wasko

Jim Wasko is IBM's Senior Site Executive for Oregon and IBM's Vice President of Open Systems Development. He has led a broad set of software development teams at IBM, including the IBM Linux Technology Center, specializing in open source, Linux, collaborative development, virtualization, cloud, zVSE, zVM, and next generation workload solutions. Jim provides leadership for IBM in the community and with employees, linking corporate citizenship and community activities with IBM initiatives and leveraging IBM resources to achieve strategic business goals. He is a member of IBM's Native American Executive Council. Jim is a graduate of Jesuit High School and the Oregon Institute of Technology.

Ivan Sutherland's 1963 PhD thesis developed a precursor to the graphical user interface called Sketchpad, and started us down the path to Computer Aided Design (CAD), the personal computer, drop down menus, icons, touch devices ... and Sutherland's induction into the Inventor's Hall of Fame this year. He is also the recipient of the US National Academy of Engineering Zworykin Award (1972), the Association for Computing Machinery's (ACM) Turing Award (1988), the Smithsonian Computer World Award (1996), the Kyoto Prize (2012) for global achievement, and a Special Founder's Award, Virtual Reality Foundation (2015). He is a member of both the National Academy of Engineering and the National Academy of Sciences since the 70s. Sutherland and his wife, Marley Roncken, jointly perform research at the Asynchronous Research Center at Portland State University.



Ivan Sutherland



Terrel "T" Smith

Terrel "T" Smith is in his 37th year of teaching in Sherwood, where he has coached track and other sports. In 2007, he was named Oregon Technology Teacher of the Year by the Software Association of Oregon (now the Technology Association of Oregon). T champions technology education at school and through service in various organizations:

- State of Oregon STEM (Science, Technology, Engineering and Math) Task Force Advisory
- ODE ESSA Teacher Effectiveness committee
- Oregon Education Association Teaching and Learning Cabinet
- Oregon Computer Science Teachers Association (Current President)
- George Fox University Education Consortium
- National Education Association CTE delegate

Beth Unverzagt is the Executive Director of OregonASK, a White House Champion of Change for Summer Learning. She has been an effective advocate for STEM and CS in the afterschool space.

Julia Soto is the Director of the Apprenticeships in Science and Engineering (ASE) Program for Saturday Academy. Julia Soto joined Saturday Academy in 2013 after almost a decade of work as an engineer.

Darrin Marks, Business Education Compact - Director for Community Development. He is responsible for Internships and BEC STEM Connect programs and has extensive experience with early childhood and youth development.

Arian Kulp is a software developer with a passion for bringing STEAM to schools through game design. Arian is the director of the Oregon Game Project Challenge and has brought technology clubs to several schools. He is excited to help teachers bring more computer science and STEAM activities to the classroom.

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