

# Future of Work at the Human-Technology Frontier: Fostering Reskilling, Upskilling, and Lifelong Learning

August 20, 2020 | 1:30 pm EDT

## Speaker Bios



### **J. Kyle Dalpe, PhD**

Vice President, Instruction and Institutional Effectiveness  
Western Nevada College

Dr. Dalpe has worked in higher education for more than 23 years supporting student access and success. In his current role as Provost and Vice President of Finance at Western Nevada College in Carson City, NV, and previous position at Truckee Meadows Community College in Reno, NV, he has gained insight into Nevada's emerging workforce needs brought about by a revised and diversified state economic development plan and many new-to-the-region companies.

Working with state and local employers, Dr. Dalpe has successfully built programs to meet workforce needs and has secured federal, state, and private funding sources to support students, facility development, and programs at the community college level. Over the course of the past six Nevada state legislative sessions, he helped author the Nevada Promise Scholarship Program and supported an increase in state appropriations for career and technical education and funding for workforce training.



### **Chris Dede, EdD**

*Timothy E. Wirth Professor in Learning Technologies*  
Harvard Graduate School of Education (HGSE)

Dr. Dede's fields of scholarship include emerging technologies, policy, and leadership. From 2001-2004, he was Chair of the HGSE Department of Teaching and Learning. In 2007, he was honored by Harvard University as an outstanding teacher, and in 2011 he was named a Fellow of the American Educational Research Association. From 2014-2015, he was a Visiting Expert with NSF's Directorate of Education and Human Resources.

Dr. Dede has served as a member of the National Academy of Sciences Committee on Foundations of Educational and Psychological Assessment, a member of the U.S. Department of Education's Expert Panel on Technology, and a member of the 2010 National Educational Technology Plan Technical Working Group. In 2013, he co-convoked an NSF workshop on new technology-based models of postsecondary learning;

and in 2015, he led two NSF workshops on data-intensive research in the sciences, engineering, and education.

Dr. Dede also was an International Steering Committee member for the Second International Technology in Education Study, and he has participated in technology-based learning initiatives for various Global South countries. He leads the adult capacity building strand of the *Reaching Every Reader* initiative at Harvard and MIT.



**Jeff Grann, PhD**

Executive Director  
Credential Engine

Dr. Grann is the Credential Solutions Lead for Credential Engine where he advances systems of trust that incent adult development and empower learners to reach their potential. He currently works with the higher education industry to advance the goal of publishing to the registry, setting standards, improving data integration and interoperability, and realizing use cases that improve credential decision making.

Previously, Dr. Grann worked at Capella University on a synergistic mix of academic and technical projects related to competency-based education. From 2005 to 2018, he defined and led the implementation of Capella University's fully-embedded assessment system and its competency map and most recently served as Academic Director of Assessment and Learning Analytics. He also has several years of teaching experience with traditional college students, adult learners, and higher education professionals.



**Evan Keith Heit, PhD**

Director, Division of Research on Learning (DRL) in Formal and Informal Settings  
Directorate of Education and Human Resources  
National Science Foundation (NSF)

In his current position with NSF, Dr. Heit supports research and development on learning in relation to all STEM disciplines, for any age group, and across settings (formal, informal, and online). DRL also works closely with other divisions and directorates within NSF. At NSF, Dr. Heit has held leadership roles in advancing convergence research as well as research on the Future of Work at the Human-

Technology Frontier. His academic background is in cognitive science. Dr. Heit was a founding faculty

member at the University of California, Merced, where he was also a Graduate Group Chair, Chair of the Campus Budget Committee, and Faculty Senate Chair. He has also been on the faculty of the University of Warwick in the UK.



**Karen A. Marrongelle, PhD**

Assistant Director

Directorate of Education and Human Resources (EHR)

National Science Foundation (NSF)

In her current position with NSF, Dr. Marrongelle leads the EHR directorate in supporting research that enhances learning and teaching to achieve excellence in U.S. science, technology, engineering and mathematics (STEM) education. Prior to joining NSF, Dr. Marrongelle was Dean of the College of Liberal Arts and Sciences at Portland State University and Professor of Mathematics and Statistics, where she oversaw 24 departments and programs across the humanities, social sciences and natural sciences. In addition to her

work as Dean, Dr. Marrongelle has served as a faculty member in the Department of Mathematics and Statistics at Portland State University since 2001. Prior to her appointment as Dean, she held positions as the Vice Chancellor for Academic Strategies and Assistant Vice Chancellor for Academic Standards and Collaboration with the Oregon University System.



**Stefano Scarpetta, PhD**

Director, Employment, Labour, and Social Affairs

Organisation for Economic Co-operation and Development (OECD)

Dr. Scarpetta joined the OECD in 1991 and held several positions in the Economics Department and in his current directorate. He led several large-scale research projects, including "Implementing the OECD Jobs Strategy" and the "Sources of Economic Growth in OECD Countries." He contributed to others including "The Policy Challenges of Population Ageing" and "The Effects of Product Market Competition on Productivity and Labour Market

Outcomes."

From 2002 to 2006 he worked at the World Bank as the labour market advisor and lead economist. In this capacity, he coordinated a Bank-wide research program of Employment and Development and contributed extensively to the Bank's investment climate assessments. He returned to the Economics Department of the OECD in November 2006 where he became the head of the Country Studies Division in charge of Japan, Korea, China, India, Mexico, Portugal, Denmark, and Sweden. From March 2008 to June 2010, he was the editor of the OECD Employment Outlook and the Head of the Employment Analysis and Policy Division of the Directorate of Employment, Labour and Social Affairs (DELSA). He became the Deputy Director of DELSA in June 2010 and became Director in May 2013.



**Nicole Smith, PhD**

Research Professor and Chief Economist  
Center on Education and the Workforce  
Georgetown University

Dr. Smith leads the econometric and methodological work at the Georgetown University Center on Education and the Workforce. One of her primary functions at the Center is developing a framework for restructuring long-term occupational and educational projections. This framework forms the underlying methodology for Help Wanted, Recovery, and The Future of Work, three reports in an ongoing series that project education demand for

occupations in the U.S. economy.

She is also part of a team of economists working on a project to map, forecast and monitor human capital development and career pathways. Her current research investigates the role of education and socioeconomic factors in intergenerational education mobility.