

## Workshop on Quantum Education For Quantum Workforce Development Jan 30-31, 2023

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Bringing QISE to High School Students and Teachers: Challenges and Examples	Mark S. Hannum	<a href="#">Abstract</a>	
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Quantum Engineering Degree Programs for the Future National QIS Workforce	Thomas A. Searles	<a href="#">Abstract</a>	<a href="#">Slides</a>
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Quantum: (How) to Lead and to Leap!	Marlou Slot	<a href="#">Abstract</a>	
QuSTEAM – Breaking through the Quantum Workforce Bottleneck	Russell R. Ceballos, Bennett Brown, and Ezekiel Johnston-Halperin	<a href="#">Abstract</a>	
Using research-validated learning tools to improve quantum education	Chandralekha Singh, Department of Physics and Astronomy, University of Pittsbu	<a href="#">Abstract</a>	
National Quantum Literacy Network: Building Quantum Literacy Awareness and Education for Diversity, Equity, Inclusion, and Accessibility to Close the Hyper-Disparity Gap in Quantum Literacy Workforce Development	Timothy A. Akers, M.S., Ph.D. Kevin A. Peters, M.S., Ph.D. Suresh Nair	<a href="#">Abstract</a>	<a href="#">Slides</a>
Inspiring Youth to Learn about Quantum Technology through an Experiential Approach	Mo Hasanovic	<a href="#">Abstract</a>	<a href="#">Slides</a>
Building a Quantum Pipeline: Preparing a Diverse Workforce for the Jobs of the Future	Jessica Rosenberg Nancy Holincheck	<a href="#">Abstract</a>	<a href="#">Slides</a>
A Bridge to Quantum STEM	Adrian German	<a href="#">Abstract</a>	<a href="#">Slides</a>
Preparing undergraduate students to enter the quantum workforce through a team project experience	Heather Lewandowski	<a href="#">Abstract</a>	
At the intersection of quantum research and engineering: A practitioner's perspective	Justyna Zwolak	<a href="#">Abstract</a>	
Progress report on K-12 quantum education and learning framework	Emily Edwards	<a href="#">Abstract</a>	
Quantum Mechanics without Calculus: Making quantum more accessible for all	James Freericks	<a href="#">Abstract</a>	<a href="#">Slides</a>
Investigating students' fluency with quantum ideas in the context of interaction-free experiments	Cecilia E. Ochoa, Department of Physics, Georgetown University Justyna P. Zwolak, National Institute of Standards and Technology & Joint Center for Quantum Information and Computer Science, University of Maryland James Freericks, Department of Physics, Georgetown University Leanne Doughty, Department of Physics, Georgetown University	<a href="#">Abstract</a>	<a href="#">Slides</a>
The Physics of Quantum Error Correction	Erik Deumens	<a href="#">Abstract</a>	<a href="#">Slides</a>