## Workshop on Quantum Education for Quantum Workforce Development Sunday, January 29

Suluay, January 25				
6:00-8:00 PM	3:00 PM Registration and Reception Judiciary Hall			
Monday, January 30				
7:45 AM	Registration and Breakfast Buffet Salor	B&C		
8:45 AM	Beverly Sanders & Jim Freericks	University of Florida/Georgetown	Welcome	
9:00 AM	Karen Jo Matsler	UT Arlington	High School Quantum: Challenges and Successes	
9:30 AM	Kiera Peltz	Qubit by Qubit	What we've learned from training 20,000 students globally in QIS	
10:00 AM	Mark S. Hannum	American Association of Physics Teachers	Bringing QISE to High School Students and Teachers: Challenges and Examples	
10:30 AM	Break			
11:00 AM	Eric Brewe	Drexel University	Models for teaching for the quantum workforce	
11:30 AM	Megan Wawro	Virginia Tech	Student Reasoning about Linear Algebra in Quantum Mechanics	
12:00 PM	Marianna Bonanome	SandboxAQ	SandboxAQ Approach Toward QIST Education	
12:30 PM	Lunch Buffet			
1:30 PM	Lincoln D. Carr	Colorado School of Mines	Building a Quantum Engineering Undergraduate Program	
2:00 PM	Thomas A. Searles	University of Illinois Chicago	Quantum Engineering Degree Programs for the Future National QIS Workforce	
2:30 PM	Ben Zwickl	Rochester Institute of Technology	Developing and expanding an interdisciplinary QIST minor at RIT	
3:00 PM	Tom Wong	National Quantum Coordination Office, Office of Science and Technology Policy,Executive Office of the President	Workforce Development in the National Quantum Initiative	
3:30 PM	Break			
4:00 PM	Chandralekha Singh	University of Pittsburgh	Using research-validated learning tools to improve quantum education	
4:30 PM	Liz Gire	Oregon State University	Responsiveness and Multiple Representations in Teaching Quantum Mechanics	
5:00 PM	Russell R. Ceballos	University of Chicago	QuSTEAM – Breaking through the Quantum Workforce Bottleneck	
5:30 PM	T.R.Robinson	University of Leicester, U.K.	Counting quanta: A radical new approach to the quantum world	
6:00 PM	Dinner on your own			
Tuesday, January 31				
8:00 AM	Breakfast Buffet Salon B & C			
9:00 AM	Timothy A. Akers	National Quantum Literacy Network	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	
9:30 AM	Mo Hasanovic	Indian River State College	Inspiring Youth to Learn about Quantum Technology through an Experiential Approach	
10:00 AM	Jessica Rosenberg	George Mason University	Building a Quantum Pipeline: Preparing a Diverse Workforce for the Jobs of the Future	
10:30 AM	Break			
11:00 AM	Adrian German	Indiana University Bloomington	A Bridge to Quantum STEM	
11:30 AM	Heather Lewandowski	University of Colorado	Preparing undergraduate students to enter the quantum workforce through a team project experience	
12:00 PM	Justyna Zwolak	NIST	At the intersection of quantum research and engineering: A practitioner's perspective	
12:30 PM	Lunch Buffet			
1:30 PM	James Freericks	Georgetown University	Quantum Mechanics without Calculus: Making quantum more accessible for all	
2:00 PM	Leanne Doughty	Georgetown University	Investigating students' fluency with quantum ideas in the context of interaction-free experiments	
2:30 PM	Erik Deumens	University of Florida	The Physics of Quantum Error Correction	
3:00 PM	Emily Edwards	University of Illinois Urbana-Champaign	Progress report on K-12 quantum education and learning framework	
3:30 PM	End of workshop			