



2021 Transformative Technologies Workshop
Quantum Computing: The Future of Big Data Analytics
Virtual
Friday, July 30, 2021

<u>Time EDT</u>	<u>Topic</u>	<u>Presenter(s)</u>
11:00 am	Introduction	Deniz Appelbaum , PhD, Assistant Professor of Accounting, <i>Montclair State University</i> Feiqi (Freddy) Huang , PhD, Assistant Professor of Accounting, <i>Pace University</i> Don Warren , PhD, CPA, Ben J. Rogers Chair and Professor of Accounting, <i>Lamar University</i> Workshop Co-Chairs
11:05 am	Welcome	Scott L. Summer , PhD, Andersen Foundation Professor, <i>Brigham Young University</i> 2020-2021 President, <i>AAA Strategic and Emerging Technologies Section</i>
11:10 am	Quantum Computing: Impact on cybersecurity	Itan Barmes , PhD, Cyber Risk Services Manager, Deloitte
12:00 pm	Break	
12:15 pm	Educational Session	Kelly Duan, Hanxi Gu, Maksym Lazirko , PhD Students, Rutgers Business School Moderator: Miklos Vasarhelyi , PhD, KPMG Distinguished Professor of Accounting Information Systems and Director of Rutgers Accounting Research Center and Continuous Auditing & Reporting Lab (CAR Lab), Rutgers Business School
1:15 pm	Lunch Break	
1:45 pm	Quantum Computing: Potential and Future	Faezeh Gholami , PhD Lead IO Subsystem Hardware Architect, IBM Z Senior Quantum Ambassador
2:35 pm	Break	
2:50 pm	Current State of the Art in Quantum Computing, including Research using Quantum Algorithms (Finance and Accounting)	Casimer DeCusatis , PhD Assistant Professor of Information Technology and Systems, Marist College
3:50 pm	Break	
4:00 pm	Scaling up Quantum Information Processing	Todd Andrew Brun , PhD Professor of Electrical and Computer Engineering, Computer Science, and Physics and Astronomy, University of Southern California
4:50 pm	Summary of Workshop	Workshop Co-Chairs
5:00 pm	End	