

ASCR Quantum Computing and Quantum Networking Awards FY 2019

Role	Institution	Address	Project Title	PI
Accelerated Research in Quantum Computing				
Lead	Lawrence Berkeley National Laboratory (LBNL), Berkeley, CA	1 CYCLOTRON RD BERKELEY CA	Advancing Integrated Development Environments for Quantum Computing through Fundamental Research(AIDE-QC)	de Jong, Wibe
Participant	Sandia National Laboratories, Livermore (SNL-CA)	7011 EAST AVE LIVERMORE CA	Advancing Integrated Development Environments for Quantum Computing through Fundamental Research(AIDE-QC)	Sarovar, Mohan
Participant	Argonne National Laboratory	9700 S CASS AVE LEMONT IL	Advancing Integrated Development Environments for Quantum Computing through Fundamental Research(AIDE-QC)	Wild, Stefan
Participant	Los Alamos National Laboratory	PO BOX 1663 LOS ALAMOS NM	Advancing Integrated Development Environments for Quantum Computing through Fundamental Research(AIDE-QC)	Coles, Patrick
Participant	Oak Ridge National Laboratory	1 BETHEL VALLEY RD OAK RIDGE TN	Advancing Integrated Development Environments for Quantum Computing through Fundamental Research(AIDE-QC)	Humble, Travis
Participant	The University of Chicago, Chicago, IL	5801 S ELLIS AVE CHICAGO IL	Advancing Integrated Development Environments for Quantum Computing through Fundamental Research(AIDE-QC)	Chong, Frederic

ASCR Quantum Computing and Quantum Networking Awards FY 2019

Lead	Sandia National Laboratories, New Mexico (SNL-NM), Albuquerque, NM	1515 EUBANK SE ALBUQUERQUE NM	Fundamental Algorithmic Research for Quantum Computing (FAR-QC)	Parekh, Ojas
Participant	Oak Ridge National Laboratory	1 BETHEL VALLEY RD OAK RIDGE TN	Fundamental Algorithmic Research for Quantum Computing (FAR-QC)	Lougovski, Pavel
Participant	Lawrence Berkeley National Laboratory (LBNL), Berkeley, CA	1 CYCLOTRON RD BERKELEY CA	Fundamental Algorithmic Research for Quantum Computing (FAR-QC)	de Jong, Wibe
Participant	Argonne National Laboratory	9700 S CASS AVE LEMONT IL	Fundamental Algorithmic Research for Quantum Computing (FAR-QC)	Larson, Jeff
Participant	Los Alamos National Laboratory	PO BOX 1663 LOS ALAMOS NM	Fundamental Algorithmic Research for Quantum Computing (FAR-QC)	Somma, Rolando
Participant	University of Maryland, College Park, MD	College Park, MD	Fundamental Algorithmic Research for Quantum Computing (FAR-QC)	Childs, Andrew
Participant	California Institute of Technology	1200 E CALIFORNIA BLVD PASADENA CA	Fundamental Algorithmic Research for Quantum Computing (FAR-QC)	Preskill, John
Participant	Dartmouth College	Hanover NH	Fundamental Algorithmic Research for Quantum Computing (FAR-QC)	Whitfield, James
Participant	Lawrence Livermore National Laboratory (LLNL), Livermore, CA	7000 EAST AVE LIVERMORE CA	Tough Errors Are no Match (TEAM)	Petersson, N. Anders
Participant	Board of Trustees of the Leland Stanford Junior University, Stanford, CA	450 SERRA MALL STANFORD CA	Tough Errors Are no Match (TEAM): Optimizing the quantum compiler for noise resilience	Boneh, Dan
Participant	The University of Chicago, Chicago, IL	5801 S ELLIS AVE CHICAGO IL	Tough Errors Are no Match (TEAM): Optimizing the quantum compiler for noise resilience	Chong, Frederic

ASCR Quantum Computing and Quantum Networking Awards FY 2019

Lead	The Johns Hopkins University, Baltimore, MD	11100 JOHNS HOPKINS RD LAUREL MD	Tough Errors Are no Match (TEAM): Optimizing the quantum compiler for noise resilience	Clader, Brian
Participant	University of Maryland, College Park, MD	College Park, MD	Tough Errors are no Match (TEAM): Optimizing the Quantum Compiler for Noise Resilience	Wu, Xiaodi
Participant	Unitary Fund, Berkeley, CA	2021 ESSEX ST BERKELEY CA	Tough Errors Are no Match (TEAM): Optimizing the quantum compiler for noise resilience	Zeng, William
Transparent Optical Quantum Networks for Distributed Science				
Lead	Oak Ridge National Laboratory	1 BETHEL VALLEY RD OAK RIDGE TN	Towards Hybrid Continuous/Discrete Variable All-Optical Quantum Repeaters for Quantum/Classical Coexistence in Optical Fiber Networks	Peters, Nicholas
Participant	University of Arizona	Tucson, AZ	Towards Hybrid Continuous/Discrete Variable All-Optical Quantum Repeaters for Quantum/Classical Coexistence in Optical Fiber Networks	
Lead	Fermi National Accelerator Laboratory	Batavia, IL	Illinois-Express Quantum Network	Spentzouris, Panagiotis
Participant	California Institute of Technology	1200 E CALIFORNIA BLVD PASADENA CA	Illinois-Express Quantum Network	Lauk, Nikolai
Participant	Northwestern University	Evanston, IL	Illinois-Express Quantum Network	Kanter, Greg

ASCR Quantum Computing and Quantum Networking Awards FY 2019

Participant	Argonne National Laboratory	9700 S CASS AVE LEMONT IL	Illinois-Express Quantum Network	Chung, Joaquin Miranda
Lead	SLAC	Menlo Park, CA	Integrated Platform for Quantum Photonic Networks	Nanni, Emilio
Lead	Brookhaven National Laboratory	Upton, NY	Inter-Campus Network Enabled by Atomic Quantum Repeater Nodes	Figuroa, Eden
Participant	New Jersey Institute of Technology	Newark, NJ	Inter-Campus Network Enabled by Atomic Quantum Repeater Nodes	
Lead	Sandia National Laboratories	Albuquerque, NM	Quantum Transduction and Buffering Between Microwave Quantum Information Systems and Flying Optical Photons In Fibers	Eichenfield, Matt