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Conference on Quantum Annealing/Adiabatic Quantum Computation | (smr 3474)

Tuesday 06 October 2020

Session 3 (Asia-America) - Online (02:00-05:00)

Co-host, Moderator: Hidetoshi NISHIMORI (Tokyo Institute of Technology, Japan)

time	title	presenter
02:00	Achievements of the IARPA-QEO and DARPA-QAFS programs, and the prospects for quantum enhancement with quantum annealing	DANIEL LIDAR
02:45	The power of adiabatic quantum computation with no sign problem	MATTHEW HASTINGS
03:15	Combined continuous error suppression and error correction for quantum annealing	JUAN ATALAYA
03:20	Open-system Kibble-Zurek Mechanism in a Quantum Annealer	YUKI BANDO
03:25	Anneal paths in capacitively shunted flux qubits	MOSTAFA KHEZRI
03:30	Adiabatic theorem for unbounded Hamiltonians, with applications to superconducting circuits	JENIA MOZGUNOV
03:35	Q&A session	
03:45	The sign problem and its relation to the spectral gap of quantum many-body systems	ELIZABETH CROSSON
04:15	Quantum Annealing and Information Encoding in the Transverse Ising Model	THOMAS ROSENBAUM