

Program

April 11, 2019 (Thu)

[Afternoon Session] (13:00 – 16:20 ; 1F Seminar room, Science South Building)

13:00 – 13:50 Masahito Hayashi (Nagoya)

Various security in quantum information

13:50 – 14:30 Ximing Wang (SUSTech)

Classification by Boosting – A Perspective with Quantum Advantage

break (20 min)

14:50 – 15:40 Harumichi Nishimura (Nagoya)

Possibility of classical verification for quantum computation

15:40 – 16:20 Seunghoan Song (Nagoya)

Capacity of Quantum Private Information Retrieval with Multiple Servers

April 12, 2019 (Fri)

[Morning Session] (9:20 – 13:00 ; 1F Seminar room, Science South Building)

09:20 – 10:10 Jacques Garrigue (Nagoya)

Functional programming, type systems, proofs and models

10:10 – 11:00 Man-Hong Yung (SUSTech, Huawei)

Quantum Computing for the Near Future

11:00 – 11:50 Xingyao Wu (Huawei)

Quantum Reinforcement Learning and Self-testing of Quantum Devices

11:50 – 13:00 Free Discussion

Lunch (Closed Lunch Meeting, 13:00 – 14:00)

[Afternoon Session] (14:00 – 17:10 ; 1F Seminar room, Science South Building)

14:00 – 14:50 Francesco Buscemi (Nagoya)

"Semiquantum games" to verify quantum correlations (in space and time)

14:50 – 15:30 Bin Cheng (SUSTech)

Experimental Cryptographic Verification for Near-Term Quantum Cloud Computing

break (20 min)

15:50 – 16:30 Yuuya Yoshida (Nagoya)

Asymptotic Properties for Quantum Dynamics

16:30 – 17:10 Hayato Arai (Nagoya)

Perfect Discrimination of Non-Orthogonal Separable Pure States on Bipartite System in General Probabilistic Theory

April 13, 2019 (Sat)

[Morning Session] (10:00 – 12:00 ; Room A317, School of Science Building A)

Free discussion