Quantum Information Theory and Related Topics 2016 : program

<u>September 8, 2016</u>

0. 10:00 – 11:30: Registration

1. 13:30 – 14:20: Marcin Marciniak (University of Gdansk): Merging of positive maps: exposed and optimal maps, and their applications

    Break

2. 14:30-15:20: Jun Ichi Fujii (Osaka Kyoiku Univ.): Introduction to TQC theory and spin networks

    Break

3. 15:40 – 16:30: Miklos Palfia (Sungkyunkwan Univ. and Hungarian Academy of Sciences): Loewner's theorem in several variables

    Break

4. 16:40- 17:30;Yongdo Lim (Sungkyunkwan Univ.): Ando-Hiai inequality for probability measures

18:00~ Welcoming party

<u>September 9, 2016</u>

5.   9:30-10:20: Rajarama Bhat (ISI, Bangalore): Bures distance for completely positive maps

    Break

6. 10:30-11:20: Wai Shing Tang (National Univ. of Singapore): All 2-positive linear maps from M_3 to M_3 are decomposable.

    Break

7. 11:30-12:20: Hoang Phi Dung (Posts and Telecommunications Institute of Technology, Hanoi, Vietnam): Some Lojasiewicz inequalities and beyond

    Lunch

8. 13:30 – 14:20: Seung-Hyeok Kye (Seoul National Univ.): Detecting various kinds of entanglement in multi-qubit systems

    Break

9. 14:30-15:20:Benoit Collins (Kyoto Univ.): Positive maps from free probability theory.

    Break

10. 15:30 – 16:00: Shigeru Furuichi (Nihon Univ.):On some inequalities for symmetric divergence measures

    Break

11. 16:00- 16:30: Yoichi Udagawa (Tokyo University of Science): Parameterized operator means and operator monotonicity of exp{f(x)}

12. 16:40-17:30: Gen Kimura (Shibaura Institute of Technology): Information gain and storage in General Probabilistic Theories.

18:00~:Dinner party

September 10, 2016

13. 9:30-10:20: Fumio Hiai (Tohoku Univ.): A concise survey of log-majorizations for matrices with applications to quantum information

Break

14. 10:30-11:20: Le Cong Trinh (Quy Nhon Univ.): On the location of eigenvalues of matrix polynomials

Closed ceremony

Group Photo