

Program of QBIC Workshop 2016

October 12, 2016, Wednesday - Main Session (1)

- 9:55 ~ 10:00 *Opening Address*
- 10:00 ~ 10:50 L. Accardi, Roma II University, Italy
Classical Probability as a Generalization of Quantum Mechanics
- 10:50 ~ 11:40 Si Si, Emeritus Professor, Aichi Prefectural University, Myanmar
Some Aspects of Fractional Brownian Motion
- 11:40 ~ 14:30 **Lunch Break and Poster Presentation (Photo)**
- 14:30 ~ 15:20 F. Hiai, Emeritus Professor, Tohoku University, Japan,
Generalized Log-Majorization and Multivariate Trace Inequalities
- 15:20 ~ 16:10 M. Regoli, Roma II University, Italy,
*A New Class of Strongly Asymmetric PKA Algorithms SAA-4:
Some Strategies for a Correct Implementation*
- 16:10 ~ 16:40 **Coffee Break**
- 16:40 ~ 17:30 T. Matsuoka, Suwa Tokyo University of Science, Japan
Compound States and Mutual Entropy on Quantum Information
- 18:00 ~ **Welcome Party** (at Cafeteria (2F) in Canal Hall)

October 13, 2016, Thursday - Main Session (2)

- 10:00 ~ 10:50 A. Jamiolkowski, Nicolaus Copernicus University, Poland
On Effective Methods in Analysis of Structures of Bilinear Systems
- *Some applications in physics, biology and chemistry* -
- 10:50 ~ 11:40 S. Pascazio, University of Bari, Italy
Dynamical Observables in Dissipative Quantum Systems
- 11:40 ~ 13:50 **Lunch Break and Poster Presentation**
- 13:50 ~ 14:40 I. Ojima, RIMS, Kyoto University, Japan,
Gauge, Thermal and Symmetric Spaces
- *Their Common Basis* -
- 14:40 ~ 15:30 T. Toyoda and M. Fujita, Tokai University, Japan
Macro and Micro Physics of Quantum Hall Effects
- *Maxwell's theory of gas and QHE* -
- 15:30 ~ 15:50 **Coffee Break**
- 15:50 ~ 16:40 S. Miyazaki, Tokyo University of Science, Japan
A Study of Gene Expression Control Regions' Evolution by Use of
Bioinformatics Methods
- 16:40 ~ 17:30 N. Watanabe, Tokyo University of Science, Japan
Note on Entropies for Open Quantum Systems
- 18:00 ~ **Banquet** (at Cafeteria (2F) in Canal Hall)

October 14, 2016, Friday - Main Session (3)

- 10:00 ~ 10:50 A. Khrennikov, Linnaeus University, Sweden
Quantum-like Model of Psyche: from Cells and Plants to Humans
- 10:50 ~ 11:40 K. Kuchitsu, Tokyo University of Science, Japan
*Reactive Oxygen Species as Double-Edged Swords in Plant Life:
Roles in Morphogenesis and Adaptation*