RIMS conference
THE RESEARCH OF GEOMETRIC STRUCTURES
IN QUANTUM INFORMATION
BASED ON OPERATOR THEORY AND RELATED TOPICS

Organizer: Yuki Seo (Osaka Kyoiku University)

Date : November 9-11, 2016
Place : Room 111, Research Institude for Matematical Science
Kyoto University, Kyoto 606-8502, JAPAN
http://www.kurims.kyoto-u.ac.jp/en/index.html

November 9 (Wed)

13:00-13:30   Masaru Tominaga (Osaka Kyoiku University)
Buzano inequality and its extension

13:40-14:10   Masatoshi Ito (Maebashi Institute of Technology)
Estimations of power difference mean by Heron mean

14:20-14:50   Keiichi Watanabe (Niigata University)
On subspaces in the Möbius gyrovector space

15:10-15:40   Il Ju An (Hankuk University of Foreign Studies), Eungil Ko (Ewha
Womans University), Ji Eun Lee (Sejong University)
Complex symmetric operator matrices and their Weyl type theorems

15:50-16:20   Muneo Cho (Kanagawa University), Kotaro Tanahashi (Tohoku Medical
and Pharmaceutical University), Eungil Ko (Ewha Womans University),
Ji Eun Lee (Sejong University)
On a conjugation and a linear operator

16:30-17:00 Jesus M. S. Castillo (Universidad de Extremadura)
Differentials of complex Interpolation Processes

November 10 (Thu)

9:00-9:30   Yoichi Udagawa (Tokyo University of Science)
Operator monotonicity of functions related to the Stolarsky mean and $\exp\{f(x)\}$

9:40-10:20   Hiroshi Nakazato (Hirosaki University)
Riemann matrices for the hyperbolic curves

10:30-11:00   Huang, Peng-Ruei (Hirosaki University)
Product Range of 3-by-3 Normal Matrices

11:10-11:50   Manuel Gonzalez (Universidad de Cantabria)
Convolution operators on $L_1(G)$ which are tauberian

Lunch break

13:00-13:40   Kichi-Suke Saito（Niigata University）, Naoto Komuro（Hokkaido University of Education）, Ryotaro Tanaka（Kyushu University）
Geometric constants of Banach spaces and the matrix norms

13:50-14:30   Sungeun Jung（Hankuk University of Foreign Studies）, Hyoungji Kim（Ewha Womans University）, Eungil Ko（Ewha Womans University）
Remarks on λ-commuting operators

14:40-15:20   Jun Ichi Fujii（Osaka Kyoiku University）, Yuki Seo（Osaka Kyoiku University）
The adjoint for operator means and power ones

15:30-16:10   Takeaki Yamazaki（Toyo University）
Some norm inequalities for matrix means

16:20-17:00   Frank Hansen（Tohoku University）
Quantum entropy derived from first principles

November 11(Fri)

9:00-9:30   Daiki Asakura（The University of Electro-Communication）
An infinite dimensional Birhkoff's Theorem, a majorization relation for two density matrices and LOCC-convertibility

9:35-10:05 Enomoto Masatoshi, Watatani Yasuo（Kyushu University）
Unbounded strongly irreducible operators and transitive representations of quivers on infinite-dimensional Hilbert spaces

10:10-10:40   Hiroshi Isa (Maebashi Institute of Technology), Masatoshi Ito(Maebashi Institute of Technology), Eizaburo Kamei, Hiroaki Tohyama(Maebashi Institute of Technology), Masayuki Watanabe(Maebashi Institute of Technology）
Velocity and acceleration at a point of the path $A \sharp_{t,r} B$

10:50-11:20   Nagisa Masaru(Chiba University)
Orders for a class of functions by positive definite function

11:30-12:00   Tanahashi Kotaro（Tohoku Medical and Pharmaceutical University), Cho Muneo（Kanagawa University), Uchiyama Atsushi(Yamagata University）
The Furuta inequality and p-$wA(s,t)$ operator

Now, Professor Takayuki Furuta memorial ceremony will be held at the Research Institute for Mathematical Sciences No.111 rooms (13: 30-15: 30).