Workshop on Harmonic Analysis in Nara 2017

~Representation Theory, Operator Algebras and Hypergroups~

Date
Date : Tuesday, March 28th ~ Thursday, March 30th, in 2017

Venue
Room : B-1406, Nara Women’s University
Address : Kitauoya-higashimachi, Nara, 630-8506, Japan
URL : access map
→ http://www.nara-wu.ac.jp/math/access.html
campus map
→ http://www.nara-wu.ac.jp/nwu/intro/access/campusmap/index.html

Program

Tuesday, March 28th

13:00〜13:20 Tetsuji Morimoto (Nara University of Education)
Dual of colored graphs and dual of hypergroups

13:25〜13:45 Yoshihiro Matsui (Nara University of Education)
Hypergroups arising from various random walks
on regular polyhedrons

13:50〜14:10 Kazuma Nishiyama (Nara University of Education)
Dual of hypergroups associated with regular polytopes
and geometric dual

14:20〜14:50 Narufumi Nakagaki (Nara University of Education)
Fusion rule algebras related to inductions and restrictions
of irreducible representations

14:55〜15:25 Shohei Oyanoki (Nara University of Education)
Duals of hypergroups and geometric duals

15:30〜16:00 Yukari Funakoshi (Nara Women’s University)
Surfaces for links
Wednesday, March 29th

9:30～10:10 Tatsuya Tsurii (Osaka Prefecture University)
Structures of hypergroups

10:20～11:00 Satoe Yamanaka (Nara Women’s University)
Conditional entropy associated with a hypergroup

11:10～11:50 Masaru Nagisa (Chiba University)
Functions related to inequalities of operators

13:20～14:00 Ken-ichiroh Kawasaki (Nara University of Education)
A variant of Hartshorne’s result on a characterization of cofinite complexes

14:10～14:50 Hiroaki Yoshida (Ochanomizu University)
Revisit the classical relative entropy

15:00～15:40 Yasuo Watatani (Kyushu University)
Universal models of Hilbert representations of quivers

15:50～16:30 Shigeru Yamagami (Nagoya University)
Around Tensor Product Measures

16:40～17:20 Marie Choda (Osaka kyoiku University)
Around strictly operator convex functions

18:00～20:00 Party (a cafeteria of Nara Women’s University)

Thursday, March 30th

9:00～9:40 Tsuyoshi Kajiwara (Okayama University)
Cores of $C^*$-algebras associated with self-similar maps

9:50～10:30 Takeshi Hirai (Kyoto University)
Spin characters of finite and infinite generalized symmetric groups $G(m, 1, n)$, $4 < n < \infty$
10:40～11:30 Herbert Heyer (Universität Tübingen)
Liouville property for harmonic functions on
groups and hypergroups

11:40～12:30 Satoshi Kawakami (Nara University of Education)
Representations of a hypergroup

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Organizers: Masaru Nagisa (Chiba University)
Satoe Yamanaka (Nara Women’s University)
Tatsuya Tsurii (Osaka Prefecture University)
Ken-ichiroh Kawasaki (Nara University of Education)
Ryo Takahashi (Nara University of Education)