

Set-Theoretic and Geometric Topology, and their applications

RIMS meeting
October 17–19, 2016

Research Institute for Mathematical Sciences, Kyoto University, Room 111

Access: <http://www.kurims.kyoto-u.ac.jp/en/access-01.html>

Program

(* denotes the speaker)

October 17 (Monday)

- 13:45 Opening
- 13:50 – 14:30 Jörg Brendle (Graduate School of System Informatics, Kobe University)
Squares of Q-sets
- 14:35 – 15:15 Yasushi Hirata (Faculty of Engineering, Kanagawa University)
Weak full-normality on monotonically normal spaces
- 15:25 – 16:05 Yasushi Hirata (Faculty of Engineering, Kanagawa University)
Yukinobu Yajima* (Faculty of Engineering, Kanagawa University)
The study of products of subspaces of an ordinal
- 16:10 – 16:50 Nobuyuki Kemoto (Oita University)
The structure of the linearly ordered compactifications of GO-spaces

October 18 (Tuesday), morning session

- 9:30 – 10:10 Takamitsu Yamauchi (Graduate School of Science and Engineering, Ehime University)
Hereditarily infinite-dimensional property for asymptotic dimension
- 10:15 – 10:55 Hisao Kato (Institute of Mathematics, University of Tsukuba)
On dimension of generalized inverse limits
- 11:00 – 11:40 Katsuya Eda* (Faculty of Fundamental Science and Engineering, Waseda University)
Takamichi Sato (Faculty of Fundamental Science and Engineering, Waseda University D1)
Compactifications of graphs and fundamental groups

October 18 (Tuesday), afternoon session

- 13:00 – 13:40 Akio Kato (formerly, National Defense Academy)
A new elementary geometry inspired by the squared Euclidean distance
- 13:45 – 14:25 Fucai Lin (School of Mathematics and Statistics, Minnan Normal University, China)
The k_R -property in sequential fans and the applications in the free Abelian topological groups
- 14:30 – 15:10 Alejandro Dorantes-Aldama* (Graduate School of Science and Engineering, Ehime University, Foreign Visiting Researcher)
Dmitri Shakhmatov (Graduate School of Science and Engineering, Ehime University)
Selective sequential pseudocompactness in topological groups
- 15:20 – 16:00 María Jesús Chasco (University of Navarra, Pamplona, Spain)
On duality of topological abelian groups
- 16:05 – 16:45 H.J. Bello (Departamento de Física y Matemática Aplicada, Universidad de Navarra, Pamplona, Spain)
L. Rodríguez (Departamento de Matemáticas, Universidad Autónoma Metropolitana, Ciudad de México, Mexico)
Mikhail Tkachenko* (Departamento de Matemáticas, Universidad Autónoma Metropolitana, Ciudad de México, Mexico)
Continuity properties of discontinuous homomorphisms and refinements of group topologies

October 19 (Wednesday)

- 9:40 – 10:20 Koichi Motooka (Graduate School of Science and Engineering, Ehime University D2)
Separately continuous weak selections on products
- 10:25 – 11:05 Matthew de Brecht (Graduate School of Human and Environmental Studies, Faculty of Integrated Human Studies, Kyoto University)
Borel measures on quasi-Polish spaces
- 11:10 – 11:50 Yasuyuki Tsukamoto (Hakuryo Junior and Senior High School)
Existence of strongly proper dyadic subbases
- 11:50 Closing

Organizer: Dmitri Shakhmatov (Ehime University)