# The Present Situation of Set-Theoretic and Geometric Topology and its Prospect

RIMS meeting October 16 -- 18, 2013

## Room 110, Research Institute for Mathematical Sciences, Kyoto University Access: http://www.kurims.kyoto-u.ac.jp/en/access-01.html

# Program

(\* Speaker)

Oct. 16 (Wed)	
13:05	Opening
13:10 13:45	Yasushi Hirata
	(Faculty of Engineering, Kanagawa University)
The sup=max problem for the extent of spaces having point countable bases	
13:50 14:25	Toshimichi Usuba
	(Organization of Advanced Science and Technology, Kobe University)
The cardinality of compact ccc spaces	
14:35 15:10	Teruyuki Yorioka
	(Department of Mathematics, Shizuoka University)
S-space problem, P-ideal dichotomy and cardinal invariants	
15:15 15:50	Dmitri Shakhmatov*
	(Ehime University, Graduate School of Science and Engineering),
	Masato Nagao (Ehime University D4)
The existence of oligarchies in economies with sufficient control	
Oct. 17 (Thur)	
9:15 9:50	Naotsugu Chinen
	(Department of Mathematics, National Defense Academy of Japan)
Isometries on the symmetric products of the Euclidean spaces with usual metrics	
9:55 10:30	Kotaro Mine , Atsushi Yamashita , Takamitsu Yamauchi*
	(Graduate School of Mathematical Sciences, The University of Tokyo,
	Faculty of Engineering, Chiba Institute of Technology,
	Faculty of Science and Engineering, Shimane University)
C_0 coar	rse structures on uniform spaces
10:40 11:15	Atsushi Yamashita
	(Faculty of Engineering, Chiba Institute of Technology)
A condition for existence of fixed points in Higson coronas	

11:20 -- 11:55 Kotaro Mine

(Graduate School of Mathematical Sciences, The University of Tokyo) The fixed points set of a homeomorphism on the Higson corona

13:25 -- 14:00 Katsuhisa Koshino

(University of Tsukuba D2)

On a function space with the hypograph topology

### 14:05 -- 14:40 Tomoo Yokoyama

(Faculty of Education Mathematics , Kyoto University of Education) On the relation between completeness and H-closedness of pospaces

without infinite antichains

14:45 -- 15:20 Akira Kamibeppu

(Faculty of Science and Engineering, Shimane University)

On the boxcity and the chromatic number of genelalized Mycielski graphs

15:30 -- 16:05 Tetsuya Hosaka

(Department of Mathematics, Shizuoka University)

On equivariant homeomorphisms of boundaries of CAT(0) groups and Coxeter groups

### 16:10 -- 16:45 Akio Kato

(Department of Mathematics, National Defense Academy of Japan)

Exotic Curves

### Oct. 18 (Fri)

9:15 9:	50 Chieko Komoda
	(Kurume National College of Technology)
Some theorems on invariance of property C under open mappings and closed mappir	
9:55 10:	30 Han Huhe*, Toshiji Terada
	(Yokohama National University D1,
	Graduate School of Environment and Information Sciences,
	Yokohama National University)
On t	ne set of ideal points in computable metric spaces
10:40 11:	15 Masaru Kada
	(Department of Mathematics and Information Sciences
	Graduate School of Science, Osaka Prefecture University)
By t	ne waters of Babylon: Small sets of reals determined by compactifications of $~\omega$
11:20 11:	55 Hisao Kato
	(Graduate School of Pure and Applied Sciences, University of Tsukuba)
Fun	tion spaces and Isometrical extensions of bounded isometries of separable metric
spac	es
11:55	Closing

Organizer: Kazuo Tomoyasu (Miyakonojo National College of Technology)