

October 2017

Workshop
Iterated Forcing Theory and Cardinal Invariants

Organizer: Jörg Brendle
(Kōbe University)

Date: November 6, 2017 (Mon), 10:00, to
November 9, 2017 (Thu), 17:00

Place: Room 110, Research Institute for Mathematical
Sciences (RIMS), Kyōto University
Kitashirakawa-Oiwake-chō, Sakyō-ku, Kyōto
To get to RIMS, take the City Bus to *Kitashira-*
kawa or *Nōgakubumae*

Program

November 6 (Mon)

10 : 00 ~ 10 : 10 *opening*

MORNING SESSION Chair: Jörg Brendle

10 : 10 ~ 11 : 10 **Diego Mejía** (Shizuoka University)
minicourse, part one: *Recent (and not that recent) forcing techniques
on finite support iterations*

11 : 20 ~ 12 : 00 **Teruyuki Yorioka** (Shizuoka University)
Aspero-Mota's finitely proper forcing axiom and k -entangled sets of reals

12 : 00 ~ 13 : 40 *lunch & discussion break*

AFTERNOON SESSION Chair: Hiroshi Sakai

13 : 40 ~ 14 : 20 **Tadatoshi Miyamoto** (Nanzan University)
*No Suslin trees but a non-special Aronszajn tree exists by a side condition
method*

14 : 30 ~ 15 : 10 **David Asperó** (University of East Anglia)
Few new reals

15 : 30 ~ 16 : 10 **David Chodounský** (Czech Academy of Sciences)
TBA

16 : 20 ~ 17 : 00 **Yō Matsubara** (Nagoya University)
On the existence of skinny stationary subsets

November 7 (Tue)

MORNING SESSION

Chair: Teruyuki Yorioka

9 : 30 ~ 10 : 30

Diego Mejía (Shizuoka University)
minicourse, part two: *Recent (and not that recent) forcing techniques on finite support iterations*

11 : 00 ~ 11 : 40

Hiroshi Sakai (Kōbe University)
On models generated by uncountable indiscernible sequences

11 : 40 ~ 14 : 30

lunch & discussion break

AFTERNOON SESSION

Chair: David Chodounský

14 : 30 ~ 15 : 10

Daisuke Ikegami (Tōkyō Denki University)
On supercompactness of ω_1

15 : 20 ~ 16 : 00

JiaLiang He (Sichuan University)
An elementary proof of $\mathfrak{p} = \mathfrak{t}$

16 : 20 ~ 17 : 00

Hiromi Ishii (Tsukuba University)
Reflection Principle and construction of saturated ideals on $\mathcal{P}_{\omega_1}\lambda$

November 8 (Wed)

MORNING SESSION

Chair: Daisuke Ikegami

9 : 30 ~ 10 : 30

Diego Mejía (Shizuoka University)
minicourse, part three: *Recent (and not that recent) forcing techniques on finite support iterations*

11 : 00 ~ 11 : 40

Dmitri Shakhmatov (Ehime University)
Compactness-like properties defined by open-point games and maximal almost disjoint families

11 : 40 ~

lunch and excursion to Fushimi-Inari Taisha and / or Tōfuku Temple

November 9 (Thu)

MORNING SESSION

Chair: Dmitri Shakhmatov

9 : 30 ~ 10 : 10

Monroe Eskew (University of Vienna)
Local saturation at every successor cardinal

10 : 20 ~ 11 : 00

André Ottenbreit Maschio Rodrigues (Kōbe University)
On a generalization of the Fodor-Type Reflection Principle

11 : 20 ~ 12 : 00

Toshimichi Usuba (Waseda University)
 G_δ -modification and large cardinals

12 : 00 ~ 14 : 20

lunch & discussion break

AFTERNOON SESSION

Chair: Toshimichi Usuba

14 : 20 ~ 15 : 00

Yasuo Yoshinobu (Nagoya University)
A further variation of the Banach-Mazur game and forcing axioms

15 : 10 ~ 15 : 50

Francesco Parente (University of East Anglia)
Keisler's order via Boolean ultrapowers

16 : 10 ~ 16 : 50

Fabiana Castiblanco (Münster University)
Lifting embeddings and genericity of reals over L

16 : 50 ~ 17 : 00

closing