Workshop
Iterated Forcing Theory and Cardinal Invariants

Organizer: Jörg Brendle
(Köbe 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, Sakyo-ku, Kyōto
To get to RIMS, take the City Bus to Kitashirakawa or Nōgakubūmae

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 \( \omega_1 \)

15:20 ~ 16:00  JiaLiang He (Sichuan University)
An elementary proof of \( p = t \)

16:20 ~ 17:00  Hiromi Ishii (Tsukuba University)
Reflection Principle and construction of saturated ideals on \( P_{\omega_1 \lambda} \)

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