

RIMS Workshop  
**Forcing Extensions and Large Cardinals**  
Dec. 4 (Tue) - 7 (Fri), 2012  
Research Institute for Mathematical Sciences  
Kyoto University, Japan  
**Program**

**Dec. 4 (Tue)**

14:00–14:10 Opening

14:10–15:10 David Aspero (Barcelona Set Theory Group, Spain)  
*Iterated forcing with side conditions, part 1*

15:20–16:20 Teruyuki Yorioka (Shizuoka Univ.)  
*The omega properness, club guessing and PFA( $S$ )*

**Dec. 5 (Wed)**

10:30–11:30 David Aspero (Barcelona Set Theory Group, Spain)  
*Iterated forcing with side conditions, part 2*

11:40–12:10 Toshimichi Usuba (Nagoya Univ.)  
*Partial stationary reflection principles*

13:30–14:10 Yasuo Yoshinobu (Nagoya Univ.)  
*Operations vs.  $\ast$ -tactics*

14:20–15:20 Diego Alejandro Mejia (Kobe Univ.)  
*Models of some cardinal invariants with large continuum*

15:30–16:30 Hiroaki Minami (Nagoya Univ.)  
*Reaping number and independence number  
for partitions of  $\omega$*

**Dec. 6** (Thu)

10:30–11:30 David Aspero (Barcelona Set Theory Group, Spain)

*Iterated forcing with side conditions, part 3*

11:40–12:40 Daisuke Ikegami (University of California, USA)

*$\Omega$ -logic and Boolean valued second order logic*

14:00–14:40 Masaru Kada (Osaka Prefecture Univ.)

*A technique for proving preservation of topological properties  
under forcing extensions*

14:50–15:50 Andrew Brooke-Taylor (Kobe Univ.)

*Weak squares and subcompact cardinals*

16:00–16:40 Tadatoshi Miyamoto (Nanzan Univ.)

*Proper forcing with side conditions*

**Dec. 7** (Fri)

10:00–11:00 Joerg Brendle (Kobe Univ.)

*Almost disjoint families built from closed sets*

11:10–11:50 Teruyuki Yorioka (Shizuoka Univ.)

*A comment on Aspero-Mota iteration*

11:50–12:00 Closing

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