



RIMS WORKSHOP

# *Infinite Combinatorics and Forcing Theory*

Date : Nov. 28 (Mon) – Dec. 1 (Thu), 2016

Place: Room 111 at the Research Institute for Mathematical Sciences (RIMS)

November 28 (Mon)

- 10:00 – 10:15 Opening announcement
- 10:20 – 11:00 David Chodounsky (Institute of Mathematics of the Czech Academy of Science)  
*Mathias-Prikry forcing and generic ultrafilters*
- 11:10 – 11:50 Jörg Brendle (Kobe University)  
*Maximal trees*
- 13:20 – 14:10 Natasha Dobrinen (University of Denver)  
*Ramsey theory in forcing, I*
- 14:20 – 15:00 Jiachen Yuan (Chinese Academy of Science)  
*A Geometric condition of extender-based Prikry forcing*
- 15:20 – 16:00 Liuzhen Wu (Chinese Academy of Science)  
*Hamel basis without well-ordering on  $\mathbb{R}$*
- 16:10 – 16:50 Tadatoshi Miyamoto (Nanzan University)  
*Forcing a Morass by Finite Side Conditions*

November 29 (Tue)

- 9:30 – 10:10 Diego A. Mejía (Shizuoka University)  
*The left side of Cichoń's diagram*
- 10:20 – 11:00 André Ottenbreit Maschio Rodrigues (Kobe University)  
*On some downwards transfer properties on Foreman-Laver model*
- 11:10 – 12:00 Natasha Dobrinen (University of Denver)  
*Ramsey theory in forcing, II*
- 13:30 – 14:20 Yinhe Peng (University of Toronto)  
*Negative partition relations on  $\omega_1$ , I*
- 14:30 – 15:10 Sakaé Fuchino (Kobe University)  
*Reflection theorems on non-existence of orthonormal bases of pre-Hilbert spaces*
- 15:30 – 16:10 Hiroshi Sakai (Kobe University)  
*On strong negation of FRP*

November 30 (Wed)

9:30 – 10:10 David Schritterser (University of Copenhagen)  
*Infinite combinatorics, definability and forcing*

10:20 – 11:00 Jonathan Verner (Charles University)  
*Ultrafilters and Towers*

11:10 – 12:00 Yinhe Peng (University of Toronto)  
*Negative partition relations on  $\omega_1$ , II*

December 1 (Thu)

9:30 – 10:10 Fabiana Castiblanco (Universität Münster)  
*Preserving sharps by tree forcings*

10:20 – 11:00 Daisuke Ikegami (Tokyo Denki University)  
*Boolean valued second order logic*

11:10 – 12:00 Natasha Dobrinen (University of Denver)  
*Ramsey theory in forcing, III*

13:30 – 14:20 Yinhe Peng (University of Toronto)  
*Negative partition relations on  $\omega_1$ , III*

14:30 – 15:10 Diana Carolina Montoya (Kurt Gödel Research Center)  
*Coherent systems of finite support iterations*

15:30 – 16:10 Toshimichi Usuba (Waseda University)  
*Definability of grounds in ZF*

**Organizer:** Teruyuki Yorioka

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**Scientific Committee:** Jörg Brendle, Kobe University

Diego A. Mejía, Shizuoka University

