

Workshop on  
“Descriptive Set Theory”

organized by

Sy-David Friedman, Martin Goldstern, Alexander Kechris,  
Jakob Kellner and W. Hugh Woodin

September 30 - October 4, 2013

• **Monday, September 30, 2013**

09:00 **Opening & Registration**

09:30 – 10:20 **Hiroshi Ando**

*Ultraproducts, QWEP von Neumann algebras, and the Effros-Marechal topology.*

10:20 – 11:10 *coffee break*

11:10 – 12:00 **Dana Bartošová**

*Near ultrafilters, groups of automorphisms and unique amenability.*

12:00 – 14:00 *lunch break*

14:00 – 14:50 **Kostas Beros**

*TBA*

15:05 – 15:35 **Marton Elekes**

*Ranks on Baire class  $\alpha$  functions.*

15:35 – 16:15 *coffee break*

16:15 – 16:45 **Udayan Darji**

*TBA*

17:00 – 17:30 **Miodrag Sokic**

*Semilattices.*

• **Tuesday, October 1, 2013**

09:00 – 09:50 **Vassilis Gregoriades**

*Classes of Polish spaces under effective Borel isomorphism.*

09:50 – 10:20 *coffee break*

10:20 – 11:10 **Aleksandra Kwiatkowska**

*Projective Fraïssé limits and the pseudo-arc.*

11:25 – 11:55 **Samuel Ziegler**

*Weak equivalence and invariant random subgroups.*

11:55 – 13:30 *lunch break*

13:30 *Departure for Social Programme (Rust) from Sensengasse 2a*

- **Wednesday, October 2, 2013**

09:00 – 09:50 **Asger Törnquist**

*Diagonalizing almost disjoint families.*

09:50 – 10:20 *coffee break*

10:20 – 11:10 **Aaron Hill**

*TBA*

11:25 – 11:55 **Su Gao**

*TBA*

11:55 – 14:00 *lunch break*

14:00 – 14:50 **Andrew Marks**

*TBA*

15:05 – 15:35 **Steve Jackson**

*TBA*

15:35 – 16:15 *coffee break*

16:15 – 16:45 **Alberto Marcone**

*The complexity of isometric embeddability between ultrametric Polish spaces with fixed set of distances.*

17:00 – 17:30 **Pandelis Dodos**

*Some recent results in Ramsey Theory.*

- **Thursday, October 3, 2013**

09:00 – 09:50 **Robin Tucker-Drob**

*A von-Neumann algebra free proof of solid ergodicity for Bernoulli shifts.*

09:50 – 10:20 *coffee break*

10:20 – 11:10 **Jay Williams**

*Cone measures, biembeddability, and isomorphism of Kazhdan groups.*

11:25 – 11:55 **Vladimir Kanovei**

*On the countable cofinality of definable chains in Borel partial orders.*

11:55 – 14:00 *lunch break*

14:00 – 14:50 **Christian Rosendal**

*Large scale geometry of metrisable groups.*

15:05 – 15:35 **Maciej Malicki**

*Non-locally compact Polish groups and essentially countable orbit equivalence relations.*

15:35 – 16:15 *coffee break*

16:15 – 16:45 **Scott Schneider**

*Simultaneous reducibility of pairs of Borel equivalence relations.*

17:00 – 17:30 **Brandon Seward**

*Locally nilpotent groups and hyperfinite equivalence relations.*

- **Friday, October 4, 2013**

09:00 – 09:50 **Marcin Sabok**

*Completeness of the isomorphism problem for separable  $C^*$ -algebras.*

09:50 – 10:20 *coffee break*

10:20 – 11:10 **François Le Matre**

*Topological generators for full groups.*

11:25 – 11:55 **Kostyantyn Slutskyy**

*Automatic continuity for homomorphisms into free products.*

11:55 – 13:45 *lunch break*

13:45 – 14:35 **Todor Tsankov**

*Weakly almost periodic functions, model-theoretic stability, and minimality of topological groups.*

14:50 – 15:20 **Phillip Wesolek**

*Conjugacy class conditions in totally disconnected locally compact Polish groups.*

15:20 – 16:00 *coffee break*

16:00 – 16:50 **Slawomir Solecki**

*Dual Ramsey theorem for trees.*

17:05 – 17:35 **Tomek Bartoszynski**

*TBA*

**All lectures take place in the ESI Boltzmann Lecture Hall**