

Workshop on
“Current Trends in Descriptive Set Theory”

December 12 – 16, 2016

organized by

Sy Friedman (KGRC, U Vienna), Alexander Kechris (Caltech),
Benjamin Miller (KGRC, U Vienna), Slawomir Solecki (U Illinois, Urbana-Champaign)

• **Monday, December 12, 2016**

09:00 – 09:30 **Opening & Registration**

09:30 – 10:30 **Benjamin Miller**

Introductory lecture

10:30 – 11:00 *coffee / tea break*

11:00 – 12:00 **Clinton Conley**

Følner tilings via matchings

12:00 – 14:00 *lunch break*

14:00 – 15:00 **Steven Jackson**

The subshift of finite type and graph homomorphism questions

15:00 – 15:30 *break*

15:30 – 16:00 **Vladimir Kanovey**

Definable countable sets of reals with and without definable elements

• **Tuesday, December 13, 2016**

09:30 – 10:30 **David Kerr**

Entropy and continuous orbit equivalence

10:30 – 11:00 *coffee / tea break*

11:00 – 12:00 **Aleksandra Kwiatkowska**

Cyclically dense conjugacy classes and topological similarity for groups of measurable functions

12:00 – 14:00 *lunch break*

14:00 – 15:00 **Francois Le Maître**

L^1 full groups

15:00 – 15:30 *break*

15:30 – 16:30 **Dominique Lecomte**

Applications of the representation theorem for Borel sets

- **Wednesday, December 14, 2016**

10:00 – 10:30 **Philipp Schlicht**

Applications of long games in generalized descriptive set theory

10:30 – 11:00 *coffee / tea break*

11:00 – 11:30 **Maciej Malicki**

There is no universal Polish metric group with a bi-invariant metric. A short proof

- **Thursday, December 15, 2016**

09:30 – 10:30 **Andrew Marks**

Descriptive set theory and geometrical paradoxes

10:30 – 11:00 *coffee / tea break*

11:00 – 12:00 **Robin Tucker-Drob**

Bounded generation and cost

12:00 – 14:00 *lunch break*

14:00 – 15:00 **Asger Törnquist**

Definability and disjointness modulo various ideals on ω

15:00 – 15:30 *break*

15:30 – 16:30 **Jindřich Zapletal**

Σ_1^ definability of sets with applications*

- **Friday, December 16, 2016**

09:30 – 10:30 **Todor Tsankov**

Metric Scott analysis

10:30 – 11:00 *coffee / tea break*

11:00 – 12:00 **Anush Tserunyan**

Edge slides and ergodic actions

12:00 – 14:00 *lunch break*

14:00 – 15:00 **Miroslav Zelený**

On Borel chromatic numbers

All talks take place at the ESI, Boltzmann Lecture Hall!