

# 45th Winter School in Abstract Analysis

## *Svatka, January 14–21, 2017*

### LIST OF CONTRIBUTED TALKS

- A. AVILÉS: Spaces that do not contain  $\ell_\infty$  but have strong properties of extension of operators (Thursday 18:40-19:10)
- C. BARGETZ: Porosity results for sets of strict contractions on geodesic metric spaces (Friday 18:30-19:00)
- M. CÚTH: Isometric representation of Lipschitz-free spaces over  $\mathbb{R}^n$  (Monday 17:45-18:05)
- M. DOUCHA: Universal actions of groups on metric and Banach (Tuesday 11:15-11:35)
- S. DRAGA: Three-space property for Szlenk power type (Sunday 16:45-17:05)
- M. FABIAN: Asplund and WCG spaces grasped by rich families and projectional skeletons (Friday 16:10-16:40)
- L.C. GARCÍA-LIROLA: Maps with the Radon-Nikodým property (Thursday 16:35-16:55)
- J.-D. HARDTKE: On certain geometric properties in Banach spaces of vector-valued functions (Tuesday 16:35-17:00)
- T. KANIA: Recovering a compact space from  $C(X)$  - the old and the new (Sunday 16:05-16:35)
- A. KHARAZISHVILI: A characterization of sets containing absolutely nonmeasurable sets (Tuesday 17:35-17:55)
- A. KIRTADZE: On some methods of extending invariant and quasi-invariant measures (Tuesday 18:00-18:20)
- J. KOLÁŘ: Differentiable extensions from a closed set (Sunday 18:40-19:00)
- V. KOVAŘÍK: Absolute  $F_{\sigma,\delta}$  spaces (Friday 17:20-17:50)
- W. KUBIŚ: Universal homogeneous Polish graphs (Tuesday 11:45-12:10)
- O. KURKA: Tsirelson-like spaces and complexity of classes of Banach spaces (Sunday 17:15-17:35)
- Z. LIPECKI: Strong Krein-Milman type theorems (Friday 18:00-18:20)
- J. MARCHWICKI: Achievement sets of conditionally convergent series (Monday 18:45-19:10)
- G. MARTINEZ CERVANTES: Banach spaces with weak\*-sequential dual ball (Thursday 17:00-17:20)
- J. MORAWIEC: Lipschitzian solutions of linear iterative equations (Sunday 18:20-18:35)
- M. NOVOTNÝ: Structure of Lipschitz-free spaces (Monday 16:00-16:20)
- C. PETITJEAN: Schur properties over some Lipschitz-free spaces (Monday 16:25-16:50)
- A. PÉREZ HERNÁNDEZ: Real functions on the Boolean cube (Thursday 18:10-18:35)
- G. PLEBANEK: Weakly Radon-Nikodým Boolean algebras (Thursday 17:35-18:05)

- D. POKORNÝ: Asymptotics of counting functions of Ahlfors regular sets (Thursday 11:15-11:35)
- M. POPLAWSKI: Ideal convergent subseries and rearrangements (Tuesday 17:05-17:20)
- A. PROCHÁZKA: The long trapezoid property (Monday 17:00-17:30)
- G. RACHER: Two exercises in invariant operators (Thursday 11:45-12:05)
- M. RAJA: Super weak compactness and applications (Thursday 16:00-16:30)
- M. RMOUTIL: Little Lipschitz constant (Sunday 17:50-18:10)
- A. SKÁLOVÁ: Gradient mapping of functions of several variables (Monday 18:15-18:35)
- J. SOMAGLIA: Weakly non-commutative Valdivia compacta (Friday 16:50-17:10)
- J. SPURNÝ: The abstract Dirichlet problem for vector-valued functions (Tuesday 16:00-16:25)
- J. SWACZYNA: An equivalent definition of Haar null sets (Tuesday 18:30-18:45)
- Z. TARCSAY: Lebesgue decomposition theorems (Monday 11:45-12:05)
- T. TITKOS: Arlinskii's iteration and its applications (Monday 11:15-11:35)
- V. VLASÁK: Haar meager sets (Tuesday 18:50-19:05)
- L. ZAJÍČEK: Semiconcavity via the second difference (Friday 11:45-12:05)
- M. ZELENÝ: On Borel chromatic numbers of closed graphs (Friday 11:15-11:35)

## LIST OF PRESENTED PAPERS

*Remark: These papers have usually more co-authors. Only the presenting author is named here.*

- P. HÁJEK: Approximation and Schur properties for Lipschitz-free spaces over compact metric spaces
- M. HAMAMDJIEV: New multidirectional mean value inequality
- M. JOHANIS: Smoothness via directional smoothness and Marchaud's theorem in Banach spaces
- O. KALENDA: Preduals of  $JBW^*$ -triples are 1-Plichko spaces
- M. KOC: Extensions of vector-valued functions with preservation of derivatives
- J. KOLÁŘ: Extensions of vector-valued Baire-one functions with preservation of points of continuity
- J. TIŠER: A criterion of  $\Gamma$ -nullness and differentials of convex and quasiconvex functions