

# PROGRAM OF THE CONFERENCE

## TUESDAY – JULY 8

### Morning session

#### Room C215

- 9:00–9:10 **Opening**
- 9:10–10:00 **K. Falconer** Projections of Fractals Old and New
- 10:10–10:30 **A. Máthé** Purely unrectifiable sets are uniformly purely unrectifiable
- COFFEE BREAK
- 11:00–11:20 **L. Moonens** Lebesgue averages on rectangles
- 11:30–11:50 **E. Lifyand** Amalgam type spaces and integrability of the Fourier transforms
- 12:00–12:20 **T. Natkaniec** Ideal convergence of sequences of quasi-continuous functions

### Afternoon sessions

#### Room C215

- 14:30–14:50 **A. Nawrocki** On some classes of generalized almost periodic functions
- 15:00–15:20 **D. Bugajewska** On lower bounded Lambda-variation and its applications
- 15:30–15:50 **P. Das** On  $I^K$ -Cauchy functions
- COFFEE BREAK
- 16:20–16:40 **I. Kupka** Topology can say more
- 16:50–17:10 **S. Kowalczyk** On continuity in generalized topology
- 17:20–17:40 **R. Zdunczyk** Simple systems and closure operators
- 17:50–18:10 **M. Walczyńska** Embeddability properties of metrizable scattered spaces

#### Room C217

- 14:30–14:50 **G. Horbaczewska** On microscopic sets
- 15:00–15:20 **P. Kalemba** On an ideal related to the ideal  $(v^0)$
- 15:30–15:50 **M. Filipczak** On algebraic properties of supports of probability Bernoulli-like measures
- COFFEE BREAK
- 16:20–16:40 **R. Wiertelak** Comparison of J-density topologies
- 16:50–17:10 **W. Wilczynski** Density points, non-canonical form
- 17:20–17:40 **M. Plotnikov** Q-measures and uniqueness sets for Haar series
- 17:50–18:10 **J. Plotnikova** Haar series, martingales, and uniqueness theorems

**WEDNESDAY – JULY 9**

## Morning session

## Room C215

- 9:00–9:50 **J. Schmeling** Multifractal analysis of standard and multiple ergodic averages
- 10:00–10:20 **A. Nicolau** Oscillation of Hölder continuous functions
- COFFEE BREAK
- 10:50–11:10 **E. D’Aniello** Attractors for iterated function schemes I
- 11:20–11:40 **T. H. Steele** Attractors for iterated function schemes II
- 11:50–12:10 **P. Eliaš** Families of sets and functions related to the uniform convergence of characters

## Afternoon sessions

## Room C215

- 14:30–14:50 **P. Sworowski** On path McShane integral
- 15:00–15:20 **L. Loukotová** Generalized absolute continuity
- 15:30–15:50 **M. Turowska** About the contingent
- COFFEE BREAK
- 16:20–16:40 **J. Wódka** Products of Swiatkowski and quasi-continuous functions
- 16:50–17:10 **G. Kwiecińska** On the Caratheodory superposition of multifunctions and an existence theorem
- 17:20–17:40 **E. Mainka-Niemczyk** On series expansion of sine and cosine families
- 17:50–18:10 **V. Olevskii** Localization and completeness in  $L_2(\mathbf{R})$

## Room C217

- 14:30–14:50 **G. A. Monteiro** Functions of bounded semivariation: a survey
- 15:00–15:20 **M. Bienias** Algebraic Structures in some sets of functions
- 15:30–15:50 **J. Kawabe** Bounded convergence theorem for nonlinear integral functionals
- COFFEE BREAK
- 16:20–16:40 **K. Musiał** Convergence in measure of non-measurable functions
- 16:50–17:10 **G. Oniani** On the convergence of double Fourier-Haar series by dilations of a set
- 17:20–17:40 **J. Šupina** Ideal version of QN-space can be trivial
- 17:50–18:10 **F. Strobín** Spaceability of the set of continuous injections from  $B_{\ell_p}$  into  $\ell_p$  with nowhere continuous inverses

**THURSDAY – JULY 10**

## Morning session

Room C215

- 9:00–9:20 **T. Keleti** Decomposing the real line into Borel sets closed under addition  
 9:30–9:50 **J. Spurný** Borel sets and functions in topological spaces  
 10:00–10:20 **P. Allaart** Hausdorff dimension of level sets of randomized Takagi functions

COFFEE BREAK

- 10:50–11:10 **J. Hejduk** On topologies generated by sequences of intervals tending to zero  
 11:20–11:40 **L. Zajíček** Differences of semiconvex functions on the real line  
 11:50–12:10 **J. P. Fenecios** On a new characterization of Baire-1 functions

**FRIDAY – JULY 11**

## Morning session

Room C215

- 9:00–9:50 **P. Dodos** Approximations of random variables  
 10:00–10:20 **A. Riviere** Hausdorff dimension and derivatives of nondecreasing functions  
 COFFEE BREAK

- 10:50–11:10 **A. Bartoszewicz** On the measure properties of self-similar sets  
 11:20–11:40 **D. Pokorný** Traces of separately convex functions  
 11:50–12:10 **P. Reardon** Embeddings of the Ellentuck, dual Ellentuck and Hechler spaces

## Afternoon session

Room C215

- 14:30–14:50 **J. Doležalová** Distributional chaos — recent results  
 15:00–15:20 **Z. Kočan** On some properties of dynamical systems on one-dimensional spaces  
 15:30–15:50 **L. Rucká** Waiting times in a queue with  $m$  servers  
 COFFEE BREAK  
 16:20–16:40 **M. Matejdes** Graph and pointwise upper Kuratowski limit of multifunctions  
 16:50–17:10 **B. Novotný** Cardinal invariants of the Vietoris topology on  $C(X)$   
 17:20–17:40 **J. Borsík** Strongly quasicontinuous functions  
 17:50–18:10 **M. Rmoutil** Proximinal Subspaces and Norm-Attaining functionals

**SATURDAY – JULY 12**

## Morning session

Room C215

- 9:00–9:50 **E. Matheron** Invariant measures for linear operators  
 10:00–10:20 **P. Musial** A Stieltjes type extension of the  $L^r$  Peron integral  
 COFFEE BREAK  
 10:50–11:10 **F. Tulone** Multiple Kurzweil-Henstock and Perron dyadic integrals  
 11:20–11:40 **V. Skvortsov** On  $M$ -sets and  $U$ -sets for system of characters of zero-dimensional compact groups  
 11:50–12:10 **M. Morales** Some peculiarities about Henstock-Kurzweil integrable functions space and the Fourier Transform

## Afternoon session

Room C215

- 14:30–14:50 **T. Filipczak** Algebraic differences of binary sequences  
 15:00–15:20 **R. Filipow** Ideal convergence of sequences of functions  
 15:30–15:50 **S. Głab** Large free subgroups of automorphisms groups  
 COFFEE BREAK  
 16:20–16:40 **Š. Franěk** Relationship between regulated function of two real variables and sequence of regulated functions of one real variable  
 16:50–17:10 **D. Seco** Complete systems of atomic inner functions in  $L^\infty$   
 17:20–17:40 **D. Fraňková** Regulated functions of multiple variables  
 17:50–18:10 **M. Balcerzak** On openness of bilinear mappings