

**International Conference on  
“Progress in Functional Analysis: Methods and  
Applications”**

Lecce, September 19-21, 2022

**Program**

Monday, September 19

8.30 - 9.00 **Registration**

**Conference Room**

9.00 - 9.30 **Opening**

Chairman: **Daniele Puglisi**

9.30 - 10.30 **Francesco Altomare:** *On some representation formulae for operator semigroups in terms of integrated means*

10.30 - 11.00 **José Orihuela:** *On James’s compactness theorem*

11.00-11.30 *Coffee Break*

11.30 - 12.30 **Werner Ricker:** *Convolution Operators in Translation Invariant Function Spaces*

12.30 - 13.00 **Pedro J. Miana:** *Catalan generating functions for generators of uni-parametric families of operators*

13.00 - 14.30 *Lunch Break*

Chairwoman: **Vita Leonessa**

14.30 - 15.00 **Jasson Vindas:** *Factorization theorems in Denjoy-Carleman classes associated to representations of  $(\mathbb{R}^d, +)$*

15.00 - 16.00 **Antonio Peralta:** *Characterization of multiplicative maps on complex Banach algebras in terms of the spectrum*

16.00 - 16.30 *Coffee Break*

## Program

Monday, September 19

### Section A, Conference Room

Chairwoman: **Vita Leonessa**

16.30 - 17.00 **Libor Veselý:** *Extending continuous quasiconvex functions*

17.00 - 17.30 **Elroy Zeekoei:** *Summability of sequences and extensions of operator ideals*

17.30 - 18.00 **Carlo Alberto De Bernardi:** *Unit balls of Polyhedral Banach spaces with many extreme points*

18.00 - 18.30 **Tanmoy Paul:** *Some recent development on best simultaneous approximation in Banach spaces*

### Section B, Grottesca's Room

Chairman: **David Jornet**

16.30 - 17.00 **Gerhard Schindl:** *On inclusion relations between weighted spaces of entire functions*

17.00 - 17.30 **Alessandro Oliaro:** *Wigner transform and quasicrystals*

17.30 - 18.00 **David Nicolas Nenning:** *Extension problems in ultradifferentiable classes: Recent results*

18.00 - 18.30 **Vicente Asensio:** *The Weyl wave front set in ultradifferentiable classes of Beurling type*

## Program

Tuesday, September 20

### Conference Room

Chairman: **Werner Ricker**

8.30 - 9.00 **Marko Kostić:** *Asymptotically Weyl almost periodic functions in Lebesgue spaces with variable exponents*

9.00 - 10.00 **Andreas Defant:** *Boole, Bohr, and Banach - a mutual exchange of ideas*

10.00 - 11.00 **Gilles Godefroy:** *Differentiability and descriptive set theory*

11.00 - 11.30 *Coffee Break*

11.30 - 12.30 **Alfred Peris:** *Skew-products in linear dynamics*

12.30 - 13.00 **Antonio Galbis:** *Dynamics and spectra of composition operators on the Schwartz space*

13.00 - 14.30 *Lunch Break*

Chairwoman: **Elisabetta Mangino**

14.30 - 15.00 **David Jornet:** *Nuclear weighted composition operators on weighted Banach spaces of analytic functions*

15.00 - 16.00 **José Bonet:** *Toeplitz operators on weighted Banach spaces of analytic functions*

16.00 - 16.30 *Coffee Break*

## Program

Tuesday, September 20

### Section A, Conference Room

Chairwoman: **Elisabetta Mangino**

16.30 - 17.00 **Quentin Menet**: *Typical properties of operators on  $\ell^p$ -spaces*

17.00 - 17.30 **Antoni López-Martínez**: *Unimodular Eigenvectors from Uniform Recurrence*

17.30 - 18.30 **Pavlos Motakis\***: *Separable spaces of continuous functions as Calkin algebras*

### Section B, Grottesca's Room

Chairwoman: **Angela Albanese**

16.30 - 17.00 **Saak Gabrielyan**: *The Josefson–Nissenzweig property for locally convex spaces*

17.00 - 17.30 **Jaagup Kirme**: *An improvement of a Bishop–Phelps–Bollobás type theorem for operators by R. M. Aron, B. Cascales and O. Kozhushkina*

20.30 *Social Dinner*

**Note:** The speaker with \* will give his talk via Teams.

## Program

Wednesday, September 21

### Conference Room

Chairman: **José Bonet**

09.00 - 10.00 **Matias Raja:** *Super weak compactness*

10.00 - 11.00 **Karl Grosse-Erdmann:** *Linear dynamics of shifts on trees*

11.00 - 11.30 *Coffee Break*

11.30 - 12.30 **Petr Hajek\*:** *Some recent results on Markuševič bases in Banach spaces*

12.30 - 13.00 **Tommaso Russo:** *Walks on ordinals, Asplund spaces, and norming Markuševič bases*

13.00 - 14.30 *Lunch Break*

Chairman: **Alessandro Oliaro**

14.30 - 15.00 **Jacopo Somaglia:** *Linear substructures of certain subsets of  $\ell_\infty$*

15.00 - 16.00 **Richard Aron:** *Norm attaining elements for some preduals (preliminary report)*

16.00 - 16.30 *Coffee break*

**Note:** The speaker with \* will give his talk via Teams.

## Program

Wednesday, September 21

### Section A, Conference Room

Chairman: **Alessandro Oliaro**

16.30 - 17.00 **Martina Maiuriello**: *Chaotic and hyperbolic linear dynamics on  $L^p$  spaces*

17.00 - 17.30 **Andrés Quilis**: *A complete metric space lacking non-trivial separable Lipschitz retracts*

17.30 - 18.00 **Triinu Veeorg**: *Daugavet- and Delta-points in spaces of Lipschitz functions*

18.00 - 18.30 **Davide Ravasini**: *Compactivorous sets and their role in Haar negligibility*

### Section B, Grottesca's Room

Chairwoman: **Mirella Cappelletti Montano**

16.30 - 17.00 **Stefan Ivković\***: *On various classes of hypercyclic operators on Banach spaces*

17.00 - 17.30 **Pablo José Gerlach-Mena\***: *Algebraic structures inside the disc algebra*

17.30 - 18.00 **Giuseppina Barbieri\***: *Abstract Measure Theory interacting with Functional Analysis*

18.00 - 18.30 **Jesús Llorente**: *Second order differentiability in the Takagi Class*

**Note:** The speakers with \* will give their talk via Teams.