

The 1st Joint IMU-INdAM Conference in Analysis

May 29 – June 1, 2017

Program

Monday, May 29, TAU, Shenkar Physics Building, Melamed Hall 006

****The shuttle bus from GBH to TAU will depart at 8:30 (notice the change!)****

9:30 – 9:45 **Opening**

Morning session: chairman Lawrence Zalcman

9:50 – 10:20 Alexander Olevskii, Tel Aviv University, Israel

Spectral gaps and uniqueness sets

10:30 – 11:00 Fulvio Ricci, Scuola Normale Superiore, Pisa, Italy

Fourier restriction theorems and Lebesgue sets of Fourier transforms

11:10 – 11:40 Mikhail Sodin Tel Aviv University, Israel

Translation-invariant probability measures on entire functions

Coffee break

12:15 – 13:10 Colloquium (by Luigi Ambrosio, Scuola Normale Superiore, Italy)

New estimates on the matching problem

Lunch

Afternoon session: chairman Anatoly Golberg

14:45 – 15:15 Haim Brezis, Technion, Israel

Sobolev maps with values into the circle

15:25 – 15:55 Irene Sabadini, Politecnico di Milano, Italy

Toward an extension of Schur analysis to the slice hyperholomorphic setting

Coffee break

16:25 – 16:55 Massimo Lanza de Cristoforis, Università degli Studi di Padova, Padova, Italy

A functional analytic approach for a class of nonlinear homogenization problems

17:05 – 17:35 Leandro Arosio, SIR Grant 2015, Italy

Dynamics of transcendental Hénon maps

19:00 **Festive Dinner and Concert of Italian songs**

****The shuttle bus from TAU to GBH will depart at 17:45 (from the gate 2)****

Tuesday, May 30, Grand Beach Hotel, Conference Hall

Morning session: chairman Massimo Lanza de Cristoforis

9:30 – 10:00 Marco Abate, University of Pisa, Italy

Carleson measures in strongly pseudoconvex domains

10:10 – 10:40 Mark Agranovsky, Bar-Ilan University, Israel

On algebraically integrable domains in Euclidean spaces

Coffee break

11:10 – 11:40 Andrea Colesanti, University of Florence, Italy

Geometric and analytic inequalities

11:50 – 12:20 Nir Lev, Bar-Ilan University, Israel

Fourier frames for singular measures and pure type phenomena

Lunch

Afternoon session: chairman Graziano Gentili

14:00 – 14:30 Nicola Gigli, SISSA, Italy

New results about the link between entropic and displacement interpolations

14:40 – 15:10 Victor Palamodov, Tel Aviv University, Israel

Geometry and analysis of the Compton tomography

Wednesday, May 31, excursion

The bus will depart at 9:00 from GBH

Thursday, June 1, Grand Beach Hotel, Conference Hall

Morning session: chairman Aviv Gibali

9:30 – 10:00 Stefano Bianchini, SISSA, Italy

A uniqueness result for the decomposition of vector fields in \mathbf{R}^n

10:10 – 10:40 Daoud Bshouty, Technion, Israel

Recent boundary behavior results of univalent harmonic mappings

Coffee break

11:10 – 11:40 Susanna Terracini, University of Torino, Italy

Geometric aspects of phase separation

11:50 – 12:20 Bo'az Klartag, Tel Aviv University, Israel

Super-Gaussian directions of random vectors

Lunch

Afternoon session: chairman Filippo Bracci

14:15 – 14:45 Caterina Stoppato, FIR Grant 2012, Italy

Recent results in geometric function theory over alternative $$ -algebras*

14:55 – 15:25 Aviv Gibali, ORT Braude College, Israel

The implicit convex feasibility problem and its applications

Coffee break

15:45 – 16:15 Anatoly Golberg, Holon Institute of Technology, Israel

Extremal bounds of Teichmüller-Wittich-Belinskiĭ type for planar quasiregular mappings

16:25 – 16:55 Open discussions

17:00 **Closing**