PROGRAM OF THE MINI-COURSES 2013
10-14 June

Mini-courses are in boldface

Monday 10 June	Room LuF1
9.00 – 9.10	Welcome message
9.15 – 10.00	**Vladimir Goldshtein –** Ben-Gurion University of the Negev, Be'er Sheva, Israel – *Composition operators on Sobolev spaces (part 1)*
10.10 – 10.55	**José Maria Arrieta** – Complutense University, Madrid, Spain - *Spectral behavior and dynamics of evolutionary equations under perturbations of the domain (part 1)*
10.55 – 11.20	Coffee Break
11.20 – 12.05	**Jacques Faraut** - Université Pierre et Marie Curie, Paris, France - *Asymptotic distribution of the zeros of orthogonal polynomials and logarithmic potential theory (part 1)*
12.15 – 13.00	**Andrea Cianchi -** University of Firenze, Italy - *Sharp Sobolev embeddings and rearrangements (part 1)*
Lunch	
16.00 – 16.30	Miriam Bombieri - University of Tübingen, Germany - *Wellposedness of Linear Control Systems*
16.30 – 17.00	Bakhytty Koshkarova - Eurasian National University, Astana, Kazakhstan - *On oscillation of general two terms differential equations with alternating potential on (0,∞)*
17.00 – 17.30	Leili Kussainova - Eurasian National University, Astana, Kazakhstan - *Otelbayev function and its applications in problems of functional analysis*
17.30 – 18.00	Ademi Ospanova - Eurasian National University, Astana, Kazakhstan - *Difference analogues of embeddings of weighted Sobolev spaces*

Tuesday 11 June	Room LuF1
9.15 – 10.00	**Vladimir Goldshtein –** Ben-Gurion University of the Negev, Be'er Sheva, Israel – *Composition operators on Sobolev spaces (part 2)*
10.10 – 10.55	**José Maria Arrieta** – Complutense University, Madrid, Spain - *Spectral behavior and dynamics of evolutionary equations under perturbations of the domain (part 2)*
10.55 – 11.20	Coffee Break
11.20 – 12.05	**Jacques Faraut** - Université Pierre et Marie Curie, Paris, France - *Asymptotic distribution of the zeros of orthogonal polynomials and logarithmic potential theory (part 2)*
12.15 – 13.00	**Andrea Cianchi -** University of Firenze, Italy - *Sharp Sobolev embeddings and rearrangements (part 2)*
Lunch	

15.30 – 16.00	Ryskul Oinarov - Eurasian National University, Astana, Kazakhstan - *Boundedness and compactness of the integral operators in weighted Sobolev space*
16.00 – 16.30	Dian Palagachev - Technical University of Bari , Italy - *Essential boundedness of weak solutions to quasilinear elliptic equations with Morrey data*
16.30 – 17.00	Lubomira G. Softova - Second University of Naples, Italy - *Generalized Morrey regularity for parabolic equations with discontinuous data*
17.00 – 17.30	Vagif Gulyev - Ahi Evran University, Kırşehir, Turkey - *Some Sobolev-Morrey embeddings*
17.30 – 18.00	Ainur Temirkhanova - Eurasian National University, Astana, Kazakhstan - *Boundedness of n-multiple discrete Hardy type operators*

Wednesday 12 June	Room LuF1
9.15 – 10.00	**Vladimir Goldshtein –** Ben-Gurion University of the Negev, Be'er Sheva, Israel – *Composition operators on Sobolev spaces (part 3)*
10.10 – 10.55	**José Maria Arrieta –** Complutense University, Madrid, Spain **-** *Spectral behavior and dynamics of evolutionary equations under perturbations of the domain (part 3)*
10.55 – 11.20	Coffee Break
11.20 – 12.05	**Jacques Faraut** - Université Pierre et Marie Curie, Paris, France - *Asymptotic distribution of the zeros of orthogonal polynomials and logarithmic potential theory (part 3)*
12.15 – 13.00	**Andrea Cianchi -** University of Firenze, Italy - *Sharp Sobolev embeddings and rearrangements (part 3)*
Lunch	
14.45 – 16.30	**Excursion:** Visit at Palazzo Bo' (meeting at the entrance of the Department of Mathematics, Via Trieste 63, ground floor)
19.50	**Social Dinner** (meeting at the entrance of the Department of Mathematics, Via Trieste 63, ground floor)

Thursday 13 June	Room LuF1
9.15 – 10.00	**Vladimir Goldshtein –** Ben-Gurion University of the Negev, Be'er Sheva, Israel – *Composition operators on Sobolev spaces (part 4)*
10.10 – 10.55	**José Maria Arrieta –** Complutense University, Madrid, Spain **-** *Spectral behavior and dynamics of evolutionary equations under perturbations of the domain (part 4)*
10.55 – 11.20	Coffee Break
11.20 – 12.05	**Jacques Faraut** - Université Pierre et Marie Curie, Paris, France - *Asymptotic distribution of the zeros of orthogonal polynomials and logarithmic potential theory (part 4)*
12.15 – 13.00	**Andrea Cianchi -** University of Firenze, Italy - *Sharp Sobolev embeddings and rearrangements (part 4)*
Lunch	

15.00 – 15.30	Gerassimos Barbatis – University of Athens, Greece - *On the Hardy constant of non-convex planar domains: the case of the quadrilateral*
15.30 – 16.00	Grey Ercole - Universidade Federal de Minas Gerais, Belo Horizonte, Brazil - *A representation formula for the best constant in the Sobolev immersion*
16.00 - 16.30	Francesco Della Pietra – University of Molise, Italy - *Symmetry breaking in constrained Cheeger type isoperimetric inequality*
16.30 – 17.00	Matteo Dalla Riva – CIDMA, University of Aveiro, Portugal - *Dirichlet problem in a planar domain with a small hole*
17.00 – 17.30	Ermal Feleqi – University of Padova - *Stability estimates for solutions and eigenfunctions of second-order elliptic Dirichlet BVPs under domain perturbation*
17.30 – 18.00	Ali Akbulut - Ahi Evran University, Kırşehir, Turkey - *Some Morrey embeddings in Heisenberg groups*

Friday 14 June	Room LuF1
9.15 – 10.00	**Vladimir Goldshtein –** Ben-Gurion University of the Negev, Be'er Sheva, Israel – *Composition operators on Sobolev spaces (part 5)*
10.10 – 10.55	**José Maria Arrieta –** Complutense University, Madrid, Spain - *Spectral behavior and dynamics of evolutionary equations under perturbations of the domain" (parti 5)*
10.55 – 11.20	Coffee break
11.20 – 12.05	**Jacques Faraut** - Université Pierre et Marie Curie, Paris, France - *Asymptotic distribution of the zeros of orthogonal polynomials and logarithmic potential theory (part 5)*
12.15 – 13.00	**Andrea Cianchi** - University of Firenze, Italy - *Sharp Sobolev embeddings and rearrangements (part 5)*

VENUE: Mini-course will be held in **Room LuF1 located in Via Luzzatti n. 8**. How to reach room LuF1 from the entrance of the Department of Mathematics (Via Trieste 63): exit tower A (which carries the street no. 63), reach the cross road which you see just before the curve of Via Trieste with Via Bassi, cross the road and go up on the channel argin, cross the pedestrian bridge, cross the road, walk through the gate, continue walking straight to the next gate, cross the gate, cross the road and continue straight into Via Paolotti, walk in Via Paolotti till you meet via Luzzatti on your left. Turn left into via Luzzatti, walk for 50 m., turn right: you see a small yellow building, enter the building, where you can find the room LuF1.