PROGRAM OF THE MINI-COURSES 2017
12-16 June

Mini-courses are in boldface

Monday 12 June	Room LuF1
9.05 – 9.15	Welcome message
9.15 – 10.00	**Andreas Kirsch -** Karlsruhe Institute of Technology, Germany. *An Introduction to the Mathematical Theory of Inverse Problems*
10.10 – 10.55	**Jonathan Bennett -** University of Birmingham, UK. *Induction on scales in harmonic and geometric analysis*
10.55 – 11.20	Coffee Break
11.20 – 12.05	**Giles Auchmuty -** University of Houston, US. *Steklov Eigenproblems and Boundary Traces*
12.15 – 13.00	**David Natroshvili -** Georgian Technical University, Tbilisi, Georgia *Boundary-Domain Integral and Integro-Differential Equations for Elliptic BVPs with variable coefficients*

Tuesday 13 June	Room LuF1
9.15 – 10.00	**Andreas Kirsch -** Karlsruhe Institute of Technology, Germany. *An Introduction to the Mathematical Theory of Inverse Problems*.
10.10 – 10.55	**Jonathan Bennett -** University of Birmingham, UK. *Induction on scales in harmonic and geometric analysis*
10.55 – 11.20	Coffee Break
11.20 – 12.05	**Giles Auchmuty -** University of Houston, US. *Steklov Eigenproblems and Boundary Traces*
12.15 – 13.00	**David Natroshvili -** Georgian Technical University, Tbilisi, Georgia *Boundary-Domain Integral and Integro-Differential Equations for Elliptic BVPs with variable coefficients*
Lunch	
15.00 – 15.30	Vladimir Gol'dshtein - Ben Gurion University of the Negev, Israel. *The spectral estimates for the Neumann-Laplace operator in space domains*
15.30 – 16.00	Alexander Ukhlov - Ben Gurion University of the Negev, Israel. *Spectral estimates of the p-laplace Neumann operator in planar domains*
16.00 – 16.30	Emmanouil Milakis - University of Cyprus. *On the Parabolic Fractional Obstacle Problem*
16.30 – 17.00	Davide Buoso, University of Lisbon, Portugal. *A minimaxmax problem for improving the torsional stability of rectangular plates*
17.00 – 17.30	Luigi Provenzano, EPFL, Lausanne, Switzerland. *Weyl-type bounds for Steklov eigenvalues*

Wednesday 14 June	Room LuF1
9.15 – 10.00	**Andreas Kirsch -** Karlsruhe Institute of Technology, Germany. *An Introduction to the Mathematical Theory of Inverse Problems*
10.10 – 10.55	**Jonathan Bennett -** University of Birmingham, UK. *Induction on scales in harmonic and geometric analysis*
10.55 – 11.20	Coffee Break
11.20 – 12.05	**Giles Auchmuty -** University of Houston, US. *Steklov Eigenproblems and Boundary Traces*
12.15 – 13.00	**David Natroshvili -** Georgian Technical University, Tbilisi, Georgia *Boundary-Domain Integral and Integro-Differential Equations for Elliptic BVPs with variable coefficients*
Lunch	
14.30 – 16.45	**Excursion:** Visit at Palazzo Bo' (meeting in front of Room LuF1)

Thursday 15 June	Room LuF1
9.15 – 10.00	**Andreas Kirsch -** Karlsruhe Institute of Technology, Germany. *An Introduction to the Mathematical Theory of Inverse Problems*
10.10 – 10.55	**Jonathan Bennett -** University of Birmingham, UK. *Induction on scales in harmonic and geometric analysis*
10.55 – 11.20	Coffee Break
11.20 – 12.05	**Giles Auchmuty -** University of Houston, US. *Steklov Eigenproblems and Boundary Traces*
12.15 – 13.00	**David Natroshvili -** Georgian Technical University, Tbilisi, Georgia *Boundary-Domain Integral and Integro-Differential Equations for Elliptic BVPs with variable coefficients*
Lunch	
15.00 – 15.30	Hendra Gunawan - Bandung Institute of Technology, Indonesia. *Boundedness properties of Bessel-Riesz operators on Morrey spaces*
15.30 – 16.00	Evgeny Galakhov and Olga Salieva, Moscow, Russia. *Necessary Conditions for the solvability of some partial differential inequalities with transformed arguments*
16.00 - 16.30	Soumia Touhami, Faculty of Science Moulay-Ismail Meknes, Morocco. *Lions' formula for RKHSs of real harmonic functions on Lipschitz domains*
16.30 – 17.00	Francesco Ferraresso, University of Padova. *Spectral analysis of the biharmonic operator subject to Neumann boundary conditions on dumbbell domains*
20.00	**Social Dinner at the restaurant "Nane della Giulia" Via Santa Sofia 1** (meeting at the entrance of the Department of Mathematics, Via Trieste 63, ground floor)

Friday 16 June	Room LuF1
9.15 – 10.00	**Andreas Kirsch -** Karlsruhe Institute of Technology, Germany. *An Introduction to the Mathematical Theory of Inverse Problems*
10.10 – 10.55	**Jonathan Bennett -** University of Birmingham, UK. *Induction on scales in harmonic and geometric analysis*
10.55 – 11.20	Coffee break
11.20 – 12.05	**Giles Auchmuty -** University of Houston, US. *Steklov Eigenproblems and Boundary Traces*
12.15 – 13.00	**David Natroshvili -** Georgian Technical University, Tbilisi, Georgia *Boundary-Domain Integral and Integro-Differential Equations for Elliptic BVPs with variable coefficients*

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.