

PROGRAM OF THE MINI-COURSES 2023

19-23 June

Mini-courses are in boldface

Monday 19 June	Room P4
9.05 – 9.15	Welcome message
9.15 – 10.15	Nir Lev - Bar-Ilan University, Israel, <i>Around Fuglede's tiling-spectrality conjecture</i>
10.30 – 11.15	David Krejcirik - Czech Technical University in Prague, Czech Republic, <i>Spectral geometry of tubes</i>
11.15 – 11.45	Coffee Break
11.45 – 12.30	Veronica Felli - Università degli Studi di Milano-Bicocca, Italy, <i>Eigenvalue problems on singularly perturbed domains</i>
12.45 – 13.15	Joachim Kerner - FernUniversität in Hagen, Germany, <i>On flat bands in perturbed Archimedean tilings</i>
Lunch	
15.00 – 15.40	Victor Nistor – Institut Élie Cartan De Lorraine, Metz, France, <i>Layer potentials on manifolds with cylindrical ends: the Laplace operator</i>
15.50 – 16.30	Mirela Kohr – Babeş-Bolyai University, Cluj-Napoca, Romania, <i>The Stokes operator on manifolds with cylindrical ends</i>
16.40 – 17.10	Lukas Liehr, University of Vienna, Austria, <i>Phaseless sampling of the short-time Fourier transform</i>
17.20 – 17.50	Michele Zaccaron - Czech Technical University in Prague, Czech Republic, <i>Permittivity perturbations for time-harmonic Maxwell's equations</i>
17.55 – 18.25	Online - Piotr Kasprzak, Adam Mickiewicz University in Poznań, Poland, <i>Compactness In Lipschitz Spaces And Around</i>

Tuesday 20 June	Room P4
9.15 – 10.15	Nir Lev – Bar-Ilan University, Israel, <i>Around Fuglede's tiling-spectrality conjecture</i>
10.30 – 11.15	David Krejcirik – Czech Technical University in Prague, Czech Republic, <i>Spectral geometry of tubes</i>
11.15 – 11.45	Coffee Break
11.45 – 12.30	Veronica Felli , Università degli Studi di Milano-Bicocca, Italy, <i>Eigenvalue problems on singularly perturbed domains</i>
12.45 – 13.15	Olaf Post, Universität Trier, Germany, <i>Resolvent convergence in varying spaces</i>
Lunch	
15.00 – 15.40	Monique Dauge, Université de Rennes, France, <i>Resonances and bound states in the scattering by dielectric or negative devices</i>
15.50 – 16.20	Valentina Ciccone, Universität Bonn, Germany, <i>Fourier restriction estimates on the torus and certain $\Lambda(p)$-sets</i>

16.30 – 17.00	Ujjal Das, Technion – Israel Institute of Technology, Haifa, Israel, <i>On the existence of minimizers for a class of Hardy-type inequalities</i>
17.10 – 17.40	Alberto Ferrero, Università del Piemonte Orientale, Italy, <i>Qualitative properties of a class of nonlinear elliptic equations on Riemannian manifolds</i>
17.50 – 18.20	Marco Fraccaroli, Universität Bonn, Germany, <i>Uniform Fourier Restriction For Convex Curves</i>

Wednesday 21 June	Room P4
9.15 – 10.15	Nir Lev - Bar-Ilan University, Israel, <i>Around Fuglede's tiling-spectrality conjecture</i>
10.30 – 11.15	David Krejcirik - Czech Technical University in Prague, Czech Republic, <i>Spectral geometry of tubes</i>
11.15 – 11.45	Coffee Break
11.45 – 12.30	Veronica Felli , Università degli Studi di Milano-Bicocca, Italy, <i>Eigenvalue problems on singularly perturbed domains</i>
12.45 – 13.25	Martin Costabel, Université de Rennes, France, <i>Stability of the Discrete Dipole Approximation</i>
Lunch	
15.00 – 15.30	Online – Laura Baldelli, Institute of Mathematics, Polish Academy of Sciences, Poland, <i>Existence of normalized solutions to a class of $(2,q)$-Laplacian equations in R^N</i>
15.30 – 17.30	Excursion: Visit Palazzo Bo'. Meeting in room P4 at 15.30 .
20.00 –	Social Dinner at “Ristorante agli Eremitani”

Thursday 22 June	Room P4
9.15 – 10.15	Nir Lev – Bar-Ilan University, Israel, <i>Around Fuglede's tiling-spectrality conjecture</i>
10.30 – 11.15	David Krejcirik – Czech Technical University in Prague, Czech Republic, <i>Spectral geometry of tubes</i>
11.15 – 11.45	Coffee Break
11.45 – 12.30	Veronica Felli , Università degli Studi di Milano-Bicocca, Italy, <i>Eigenvalue problems on singularly perturbed domains</i>
12.45 – 13.15	Giuseppina Di Blasio, Università della Campania, Caserta, Italy, <i>Comparison and regularity results for some anisotropic problems</i>
Lunch	
15.00 – 15.30	John Villavert, University of Texas, Rio Grande Valley, US, <i>Existence results for elliptic systems on bounded and unbounded domains</i>
15.40 – 16.10	Luigi Provenzano, Sapienza - University of Rome, Italy, <i>Bounds for the magnetic Neumann eigenvalues in the plane</i>
16.20 – 16.50	Francesco Ferraresso, University of Sassari, Italy, <i>Neumann biharmonic eigenvalue problem on thin curved domains</i>
17.00 – 17.30	Roméo Lylekian, Aix-Marseille Université, France, <i>Towards the optimality of the ball for the Rayleigh conjecture concerning the clamped plate</i>

17.40 – 18.10	Damiano Greco – Swansea University, UK, <i>Extension and embedding theorems for Campanato spaces on $C^{0,\gamma}$ domains</i>
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Friday 23 June	Room P4
9.15 – 10.15	David Krejcirik - Czech Technical University in Prague, Czech Republic, <i>Spectral geometry of tubes</i>
10.30 – 11.30	Veronica Felli , Università degli Studi di Milano-Bicocca, Italy, <i>Eigenvalue problems on singularly perturbed domains</i>
11.30 – 12.00	Coffee break
12.00 – 12.40	Sergiy Plaksa, Institute of Mathematics of the National Academy of Sciences of Ukraine, <i>Hypercomplex monogenic functions in boundary value problems for biharmonic functions</i>
12.50 – 13.20	Online - Rakesh Kumar, Indian Institute of Technology Jodhpur, India, <i>Eigenvalue Problem Involving Non-self Adjoint Differential Operators for the Optical Bent Waveguides</i>

VENUE: Mini-courses will be held in **Room P4, located on the 2nd floor of Edificio Paolotti, Via Paolotti 2/a**. How to reach room P4 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 junction 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 the end of the street where you find on the left a big building with a green gate and a long front porch: that is Edificio Paolotti. Enter the door located at the very end of the front porch and proceed to the second floor where you find Room P4.