

PROGRAM OF THE ONLINE MINI-COURSES 2021

21-25 June

The timetable is written according to Italian time. Mini-courses are in boldface.

Monday 21 June	
09.20 – 09.30	Welcome message
09.30 – 10.15	Shuichi Jimbo - Hokkaido University, Japan. <i>Singular deformation of domains and several spectral problems</i>
10.25 – 11.10	Gustavo Garrigos - Universidad de Murcia, Spain. <i>Bergman projections and decoupling inequalities</i>
11.20 – 11.40	Francesca Anceschi - University of Naples, Italy. <i>On the well-posedness theory for a spatially inhomogeneous nonlinear Fokker-Planck equation</i>
11.45 – 12.05	Annalaura Rebusci - Università degli Studi di Modena e Reggio Emilia, Italy. <i>Schauder type estimates for degenerate Kolmogorov equations with Dini continuous coefficients</i>
15.30 – 15.50	Jari Taskinen - University of Helsinki, Finland. <i>Spectra of the Steklov- and Robin-Laplace-problems in bounded, cuspidal domains</i>
16.00 – 16.45	Richard S. Laugesen - University of Illinois, Urbana-Champaign, US. <i>Spectral theory for selfadjoint partial differential operators</i>
16.55 – 17.15	Rossano Sannipoli - University of Naples, Italy. <i>An isoperimetric inequality for the first Steklov-Dirichlet Laplacian eigenvalue of convex sets with a spherical hole</i>

Tuesday 22 June	
09.30 – 10.15	Shuichi Jimbo - Hokkaido University, Japan. <i>Singular deformation of domains and several spectral problems.</i>
10.25 – 11.10	Gustavo Garrigos - Universidad de Murcia, Spain. <i>Bergman projections and decoupling inequalities</i>
11.20 – 11.40	Marco Michetti - Institut Elie Cartan de Lorraine and Université de Lorraine, France. <i>Asymptotic behaviour of the Steklov spectrum on dumbbell domains</i>
11.45 – 12.05	Roberto Ognibene - University of Genova, Italy. <i>Sharp asymptotics of eigenvalues of the Laplacian in a domain with a shrinking tube</i>
15.30 – 15.50	Antonio Greco - University of Cagliari, Italy. <i>Symmetry and monotonicity results for solutions of semilinear PDEs in sector-like domains</i>
16.00 – 16.45	Richard S. Laugesen - University of Illinois, Urbana-Champaign, US. <i>Spectral theory for selfadjoint partial differential operators</i>
16.55– 17.15	Filippo Boni - Politecnico di Torino, University of Torino, Italy. <i>Ground states of the NLSE with standard and delta nonlinearities on star graphs</i>

Wednesday 23 June	
09.30 – 10.15	Shuichi Jimbo - Hokkaido University, Japan. <i>Singular deformation of domains and several spectral problems.</i>
10.25 – 11.10	Gustavo Garrigos - Universidad de Murcia, Spain. <i>Bergman projections and decoupling inequalities</i>
11.20 – 11.40	Alessandra De Luca - University of Milano-Bicocca - <i>Boundary strong unique continuation for fractional elliptic equations</i>
11.45 – 12.05	Gianpaolo Piscitelli - University of Cassino and Lazio Meridionale. <i>The pseudo-orthogonality for graph 1-Laplacian eigenvalues and applications to higher Cheeger constants and data clustering</i>
15.30 – 15.50	Alba Lia Masiello - University of Naples, Italy. <i>Comparison results for solutions to p-Laplace equations with Robin boundary conditions</i>
16.00 – 16.45	Richard S. Laugesen - University of Illinois, Urbana-Champaign, US. <i>Spectral theory for selfadjoint partial differential operators</i>
17.00 – 17.45	<u>Electro-math-seminar</u> : Serge Nicaise - LAMAV, Université Polytechnique Hauts-de-France, Valenciennes, France - <i>Stability and asymptotic properties of a linearized hydrodynamic medium model for dispersive media in nanophotonics</i>

Thursday 24 June	
09.30 – 10.15	Shuichi Jimbo - Hokkaido University, Japan. <i>Singular deformation of domains and several spectral problems.</i>
10.25 – 11.10	Gustavo Garrigos - Universidad de Murcia, Spain. <i>Bergman projections and decoupling inequalities</i>
11.20 – 12.00	Sergei Rogosin - Belarusian State University Minsk, Belarus. <i>Solution to R-linear conjugation problem with rational coefficients</i>
15.30 – 15.50	Vincenzo Amato - University of Naples, Italy. <i>Limit, as $p \rightarrow \infty$, of solutions to p-Laplace equation with Robin boundary conditions</i>
16.00 – 16.45	Richard S. Laugesen - University of Illinois, Urbana-Champaign, US. <i>Spectral theory for selfadjoint partial differential operators</i>
16.55 – 17.15	Gloria Paoli - University of Naples, Italy. <i>A reverse quantitative isoperimetric type inequality for the Dirichlet Laplacian</i>

Friday 25 June	
09.30 – 10.10	Elena Afanaseva - National Academy of Sciences of Ukraine. <i>Boundary behavior of finitely bi-Lipschitz homeomorphisms between Finsler manifolds</i>
10.15 – 10.55	Kirill Cherednichenko - University of Bath, UK. <i>Periodic PDEs with micro-resonators: a unified approach to homogenisation and links to time-dispersive media.</i>
11.00 – 11.20	Emilia Anna Alfano - University of Salerno, Italy. <i>Dirichlet problem for noncoercive nonlinear elliptic equations in unbounded domains</i>
11.25 – 11.45	Ritva Hurri-Syrjänen - University of Helsinki, Finland. <i>On fractional Sobolev-Poincaré inequalities in unbounded domains</i>
11.50 – 12.10 11.25 – 11.45 (new)	Riccardo Molinarolo - University of Naples, Italy. <i>Weak solutions for the wave equation on a time-dependent domain</i>