

PROGRAM OF THE MINI-COURSES 2016

27 June- 1 July

Mini-courses are in boldface

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| Monday 27 June | Room LuF1 |
| 9.15 – 9.30 | Welcome message |
| 9.30 – 10.15 | Bruno Colbois – Université de Neuchâtel, Switzerland. <i>Eigenvalue problems for elliptic operators on Riemannian manifolds.</i> |
| 10.25 – 11.10 | Javier Duoandikoetxea - University of the Basque Country, Bilbao, Spain. <i>Weighted inequalities for maximal operators.</i> |
| 11.10 – 11.40 | Coffee Break |
| 11.40 – 12.25 | Peter Sjögren - Chalmers University of Technology, Gothenburg, Sweden. <i>Harmonic analysis in the Ornstein-Uhlenbeck setting.</i> |

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| Tuesday 28 June | Room LuF1 |
| 9.30 – 10.15 | Bruno Colbois - Université de Neuchâtel, Switzerland. <i>Eigenvalue problems for elliptic operators on Riemannian manifolds.</i> |
| 10.25 – 11.10 | Javier Duoandikoetxea - University of the Basque Country, Bilbao, Spain. <i>Weighted inequalities for maximal operators.</i> |
| 11.10 – 11.40 | Coffee Break |
| 11.40 – 12.25 | Peter Sjögren - Chalmers University of Technology, Gothenburg, Sweden. <i>Harmonic analysis in the Ornstein-Uhlenbeck setting.</i> |
| Lunch | |
| 14.30 – 15.00 | Leili Kussainova - L.N. Gumilyov Eurasian National University, Kazakhstan. <i>On approximation numbers of one weighted Sobolev class. Applications.</i> |
| 15.30 – 16.00 | Omar Lazar – ICMAT Madrid, Spain. <i>Global or local solutions for some nonlocal transport equations.</i> |
| 16.00 – 16.30 | Aigul Myrzagaliyeva - L.N. Gumilyov Eurasian National University, Kazakhstan. <i>On the boundedness of the Schrödinger operator in weighted Sobolev spaces.</i> |
| 16.30 – 17.00 | Jotsaroop Kaur - University of Bergamo, Italy, <i>Localisation of Bochner Riesz means revisited.</i> |

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| Wednesday 29 June | Room LuF1 |
| 9.30 – 10.15 | Bruno Colbois - Université de Neuchâtel, Switzerland. <i>Eigenvalue problems for elliptic operators on Riemannian manifolds.</i> |
| 10.25 – 11.10 | Javier Duoandikoetxea - University of the Basque Country, Bilbao, Spain. <i>Weighted inequalities for maximal operators.</i> |
| 11.10 – 11.40 | Coffee Break |
| 11.40 – 12.25 | Peter Sjögren - Chalmers University of Technology, Gothenburg, Sweden. <i>Harmonic analysis in the Ornstein-Uhlenbeck setting.</i> |
| Lunch | |
| 15.40 – 16.25 | Bruno Colbois - Université de Neuchâtel, Switzerland. <i>Eigenvalue problems for elliptic operators on Riemannian manifolds.</i> |
| 16.30 – 18.30 | Excursion: Visit at Palazzo Bo' (meeting at Room LuF1 located in Via Luzzatti n. 8) |

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| Thursday 30 June | Room LuF1 |
| 9.30 – 10.15 | Bruno Colbois - Université de Neuchâtel, Switzerland. <i>Eigenvalue problems for elliptic operators on Riemannian manifolds.</i> |
| 10.25 – 11.10 | Javier Duoandikoetxea - University of the Basque Country, Bilbao, Spain. <i>Weighted inequalities for maximal operators.</i> |
| 11.10 – 11.40 | Coffee Break |
| 11.40 – 12.25 | Peter Sjögren - Chalmers University of Technology, Gothenburg, Sweden. <i>Harmonic analysis in the Ornstein-Uhlenbeck setting.</i> |
| Lunch | |
| 14.30 – 15.00 | Ivan Tsylin - Lomonosov Moscow State University, Russia. <i>Boundary value problems for elliptic operators: moduli of continuity of resolvent convergence under domain deformations.</i> |
| 15.00 – 15.30 | Gian Maria Dall'Ara – University of Vienna, Austria. <i>A few questions on spectral theory of Schrödinger operators with matrix-valued potentials.</i> |
| 15.30 - 16.00 | Luigi Provenzano - Université de Neuchâtel, Switzerland <i>Eigenvalues of the biharmonic operator with density.</i> |
| 16.00 – 16.30 | Federico Piazzon – University of Padova, Italy. <i>Monge Ampere capacities on algebraic varieties: comparability and convergence results.</i> |
| 20.00 | Social Dinner (meeting at the entrance of the Department of Mathematics, Via Trieste 63, ground floor) |

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| Friday 1 July | Room LuF1 |
| 9.30 – 10.15 | Bruno Colbois - Université de Neuchâtel, Switzerland. <i>Eigenvalue problems for elliptic operators on Riemannian manifolds.</i> |
| 10.25 – 11.10 | Javier Duoandikoetxea - University of the Basque Country, Bilbao, Spain. <i>Weighted inequalities for maximal operators.</i> |
| 11.10 – 11.40 | Coffee break |
| 11.40 – 12.25 | Peter Sjögren - Chalmers University of Technology, Gothenburg, Sweden. <i>Harmonic analysis in the Ornstein-Uhlenbeck setting.</i> |

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.

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- Dipartimento di Ingegneria Civile, Edile ed Ambientale, Univ. Padova.
- University of Padova.

In association with ISAAC - International Society for Analysis, its Applications and Computation