

### Schedule of Courses

- 01) [May 16 - May 20](#)
- 02) [May 30 - June 3](#)
- 03) [June 6 - June 10](#)
- 04) [June 20 - June 24](#)
- 05) [June 27 - July 1](#)
- 06) [July 4 - July 8](#)
- 07) [July 11 - July 15](#)

#### 01 May 16 - May 20

- Jean-Michel Coron (University Pierre and Marie Curie, Paris): *Controllability and stabilization: some cases where the nonlinearity is crucial*
- Irena Lasiecka (University of Virginia, USA): *Long time behavior and its control in nonlinear hyperbolic-like evolutions*
  - Roberto Triggiani (University of Virginia, USA): *Hyperbolic and Schroedinger Equations on Multi-Dimensional Bounded Domains: Uniform Stabilization with Nonlinear Boundary Dissipation and Nonlinear Inverse Problems through a Single Boundary Measurement*

A session of invited contributed talks will be held during the week:

- Paolo Antonelli (Cambridge, UK)
- Lorena Bociu (Lincoln, NE)
- Camille Laurent (Ecole Polytechnique, FRANCE)
- Matthieu Léautaud (Paris 6, FRANCE)
- Julien Lequeurre (Toulouse, FRANCE)
- Khai T. Nguyen (Padova, ITALY)
- Vincent Perrolaz (Paris 6, FRANCE)

In addition, seminars by Andrei AGRACHEV (SISSA-ISAS) and Helge HOLDEN (Norwegian University of Science and Technology) are scheduled for Friday May 20th.

A [program](#) of the week is now available.

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**02 May 30 - June 3**

- Alessio Figalli (University of Texas, USA): *Variational models for the incompressible Euler equations*
- Karl-Theodore Sturm (University of Bonn, Germany): *Optimal transport, Ricci curvature and gradient flows*

Nicola Gigli from the University of Nice (France) will deliver a seminar on Wednesday June 1st. Click [here](#) to get the abstract.

In addition Fabio Cavalletti (SISSA) and Giulio Giusteri (Milano-Bicocca) will give a seminar on Wednesday June 1st. Click [here](#) to get the program of June 1st.

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**03 June 6 - June 10**

- Jean-François Coulombel (University of Lille 1, France): *Stability of finite difference schemes for hyperbolic initial boundary value problems*
- Volker Elling (University of Michigan): *Existence of algebraic vortex spirals and*

*ill-posedness of inviscid flow*

Helena Lopes from the Universidade Estadual de Campinas (Brazil) will deliver a seminar on Wednesday June 8th. Click [here](#) to get the abstract.

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**04 June 20 - June 24**

- Laszlo Szekelyhidi (University of Bonn, Germany): *From isometric embeddings to turbulence*
- Aldo Pratelli (University of Pavia, Italy): *Elastic deformations on the plane and approximations*

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**05 June 27 - July 1**

- Marianna Csornyei (University College, London): *Problems in geometric measure theory*
- David H. Fremlin (University of Essex, UK): *Gauge integrals*
- Michael Westdickenberg (Georgia Institute of Technology, USA): *Finite energy solutions to the isentropic Euler equations*

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**06 July 4 - July 8**

- Zhouping Xin (Chinese University of Hong Kong): *Some topics in compressible Navier-Stokes system*
- Gigliola Staffilani (Massachusetts Institute of Technology, USA): *Dispersive equations and their importance in mathematics*

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**07 July 11 - July 15**

- Peter Constantin (University of Chicago, USA): *Hydrodynamic PDEs*
- Yann Brenier (Université de Nice, France): *Interplay between rearrangement and convection theories*

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