

# Università degli Studi di Padova

## MINI-COURSES IN MATHEMATICAL ANALYSIS 2015

We announce that the “Mini-courses in Mathematical Analysis 2015” will be held at the “Dipartimento di Matematica” and at the “Dipartimento di Ingegneria Civile, Edile ed Ambientale” of the University of Padova from June 22 to June 26. The program consists of four courses and a limited number of short communications. The courses are the following:

### On the inf-sup constant of the divergence

by

**Prof. Martin Costabel**

Université de Rennes 1, France



### Geometric properties of elliptic and parabolic PDE's: time-invariant level surfaces and critical points

by

**Prof. Rolando Magnanini**

Università di Firenze, Italy



### On optimal Hardy inequalities for second-order elliptic operators

by

**Prof. Yehuda Pinchover**

Technion - Israel Institute of Technology, Haifa, Israel



### The vorticity and aggregation equations, and singular integrals

by

**Prof. Joan Verdera**

Universitat Autònoma de Barcelona, Spain



Each course will take place in room LuF1, located in Via Luzzatti n. 8, Padova, Italy, starting at 9.00 a.m. on Monday June 22.

The meeting aims at introducing the participants to important current research fields in Mathematical Analysis. The meeting is particularly indicated not only to graduate students, postdocs and young researchers but also to well-established experts in Mathematical Analysis.

Participants should register by filling the registration form.

People interested in delivering a short talk (25 min) should send an abstract to [lamberti@math.unipd.it](mailto:lamberti@math.unipd.it)

Blackboard, overhead and data projector will be available for the presentations.



### We acknowledge the support of:

- GNAMPA, Gruppo Nazionale per l'Analisi Matematica, la Probabilità e le loro Applicazioni
- Dipartimento di Matematica, Università di Padova
- Dipartimento di Ingegneria Civile, Edile ed Ambientale, Università di Padova
- Progetto di Ateneo "Singular perturbation problems for differential operators", Università di Padova

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

**Organizers:** Victor I. Burenkov, Paolo Ciatti, Pier Domenico Lamberti, Massimo Lanza de Cristoforis  
with the assistance of Matteo Dalla Riva and Paolo Musolino

**Information:** Massimo Lanza de Cristoforis, e-mail: [mldc@math.unipd.it](mailto:mldc@math.unipd.it)

**Accommodation:** for a list of hotels and B&B: <http://www.turismopadova.it>

**Web site:** <http://minicourses.dmsa.unipd.it/>