



Università di Cagliari



Universidade de  
São Paulo



Universidade Federal  
do Paraná

The Department of Mathematics and Informatics of the University of Cagliari, Italy, organizes the

## International Workshop on Global Properties of Partial Differential Equations on Manifolds September 22-24, 2010

Moreover, in the period of September 20-21 there will be mini-courses and seminars for Ph.D. students and Postdocs.

The workshop is the framework of the international collaboration programmes with the Universities of São Paulo and Paraná, Brazil, and the activities of a PRIN project of MIUR (Italy), involving research groups from the Universities of Bologna, Cagliari, Ferrara, Padova and Torino. The meetings will take place on the premises of the Department of Mathematics and Informatics of the University of Cagliari.

The main purpose of the workshop is to expose the recent developments in the study of global properties of PDEs on (non)compact manifolds, vector fields on spheres, the global hypoellipticity, the global solvability, Sobolev type spaces, spaces of uniformly analytic-Gevrey functions and the type of decay on infinity for solutions to differential equations and dynamical systems, global properties for pseudodifferential operators and Fourier integral operators on compact manifolds and on  $\mathbb{R}^n$ , global well-posedness of the Cauchy problem for evolution equations, convergence issues and Gevrey regularity estimates for singular PDEs and normal form transformations in the presence of degeneracies and/or diophantine phenomena, decay-regularity issues for differential operators on noncompact manifolds.

### Program/Scientific committee

- A. Bergamasco (Univ. São Paulo, Brazil)
- T. Gramchev (Univ. Cagliari, Italy)
- S. Pilipovic (Univ. Novi Sad, Serbia)
- G. Porru (Univ. Cagliari, Italy)
- L. Rodino (Univ. Torino, Italy)
- M. Ruzhansky (Imperial College London, UK)

## Organizing committee

- Alexandre Kirilov - chair (Univ. Cagliari and Univ. Paraná, Brazil)
- Lucio Cadeddu (Univ. Cagliari),
- Todor Gramchev (Univ. Cagliari)

## Preliminary list of speakers

- A. Bergamasco (Univ. São Paulo, Brazil)
- M. Cappiello (Univ. Torino, Italy)
- S. Coriasco (Univ. Torino, Italy)
- P. Dattori da Silva (Univ. São Paulo, Brazil)
- C. Garetto (Imperial College London, UK)
- L. Rodino (Univ. Torino, Italy)
- M. Ruzhansky (Imperial College London, UK)
- M. Sugimoto (Nagoya Univ., Japan)
- V. Turunen (Univ. Helsinki, Finland), Italy)
- I. Witt (Univ. Göttingen, Germany)
- S. Zani (Univ. São Paulo, Brazil)

## Accommodation

The following hotels have discount rates for the participants of the workshop.

Hotel Italia \*\*\*  
approx. 63 EUR

Hotel la Terrazza \*\*  
approx. 50 EUR

Hotel 4 Mori \*\*\*  
approx. 55 EUR

## For contacts

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