



Università di Cagliari



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

II International Workshop on Global Properties of Partial Differential Equations on Manifolds September 17-19, 2014

The workshop is the framework of the international collaboration program Mathematics with the Federal University of Paraná, Brazil. 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 (preliminary version)

- T. Gramchev (Univ. Cagliari, Italy)
- A. Kirilov (Univ. Paraná, Brazil)
- S. Pilipovic (Univ. Novi Sad, Serbia)
- L. Rodino (Univ. Torino, Italy)
- M. Ruzhansky (Imperial College London, UK)
- J. Toft (Linnaeus University, Sweden)

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