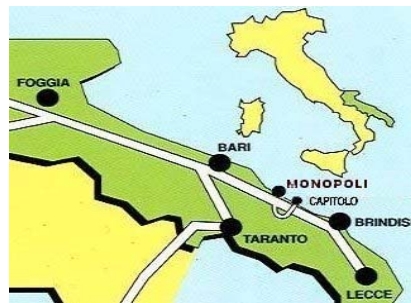


STRUCTURAL DYNAMICAL SYSTEMS: Computational Aspects WORKSHOP SDS2006

Hotel Porto Giardino, Capitolo, Monopoli, Italy, June 13-16, 2006



The Workshop will take place at Hotel Villaggio Porto Giardino Capitolo-Monopoli, Bari, Italy. The aim of the workshop is to discuss recent developments in computational methods for: **oscillatory dynamical systems**; **dynamical systems on manifolds**; **non-smooth dynamical systems**; **dynamical systems in neural networks**; **smooth decomposition of matrices**; Krylov methods for matrix functions in ODEs. The workshop will focus both on numerical and theoretical aspects.

Invited Speakers:

- [Elena Celledoni](#) (University of Trondheim, Norway)
- [Christian Lubich](#) (University of Tübingen, Germany)
- [Tassilo Küpper](#) (Universität zu Köln, Germany)
- [Toshihisa Tanaka](#) (Tokyo University of Agriculture and Technology, Japan)
- [Uwe Helmke](#) (Universität Würzburg, Germany)
- [Arieh Iserles](#) (University of Cambridge, England)
- [Valeria Simoncini](#) (Università di Bologna, Italy)
- [Marlis Hochbruck](#) (Heinrich Heine Universität Düsseldorf, Germany)
- [Luca Dieci](#) (Georgia Institute of Technology, Atlanta, U.S.A.)

Plenary talks will be arranged in order to provide two lectures on each workshop topic. Contributed talks are welcome. A poster session will be organized for PhD students who would like to showcase their work.

More information may be found at: <http://www.dm.uniba.it/~delbuono/sds2006.htm>

Organizing Committee: **Luciano Lopez**, **Nicoletta Del Buono**, **Cinzia Elia** (Università di Bari), **Tiziano Politi** (Politecnico di Bari), **Maria Grazia Gasparo** (Università di Firenze)

The workshop is sponsored by:

				
International Association for Mathematics and Computers in Simulation	Dipartimento di Matematica Università di Bari	Politecnico di BARI	I.N.d.A.M. and G.N.C.S.	Dip. di Energetica "Sergio Stecco" Università di Firenze