



## CONFERENCE ANNOUNCEMENT

# Inverse Problems: Modelling and Simulation

24 May–29 May 2010, Antalya, Turkey

The fifth international conference ‘Inverse Problems: Modelling and Simulation’ will be held on 24–29 May 2010 in one of distinguished hotels of the Mediterranean Region, the famous Lykia World & Links Golf Antalya hotel ([www.lykiaworldantalya.com/](http://www.lykiaworldantalya.com/)), Antalya, Turkey.

The proposed International Conference will be under the auspices of the International Society for Inverse Problems in Science and Engineering, and the leading international journals, *Inverse Problems in Science and Engineering*, *Inverse Problems* and *Inverse and Ill-Posed Problems*. The main aim of the Conference is to bring together all classical and new areas of inverse problems from various international scientific schools, and to discuss new challenges of inverse problems in current interdisciplinary sciences. The organizers of the Conference, in particular Izmir University, Antalya Governorship and Antalya Metropolis Municipality, will work to put together an excellent scientific program and social programs consisting of tours to historic places and boat trips.

### Chair

- A Hasanoglu (Hasanov) (Izmir University, Turkey)

### Co-Chairs

- G S Dulikravich (Florida International University, USA)
- B Hofmann (Chemnitz University of Technology, Germany)
- S Kabanikhin (Sobolev Institute of Mathematics, Russia)

### International Programme Committee

- V Agoshkov (Institute of Numerical Mathematics, RAS, Russia)
- J A Burns (Virginia Tech, USA)
- D Cioranescu (University Pierre et Marie Curie, France)
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- H R B Orlande (Federal University of Rio de Janeiro, Brazil)
- S V Pereverzyev (Johann-Radon-Institute – RICAM, Austria)
- O Scherzer (University of Innsbruck, Austria)
- M Slodicka (Ghent University, Belgium)
- G Uhlman (University of Washington, USA)
- VV Vasin (Inst. Math. Mechanics, Ekaterinburg, Russia)
- Y-F Wang (Chinese Academy of Sciences, China)
- F Zirilli (Universita di Roma La Sapienza, Italy)

#### Main topics

- Inverse problems in:
  - \* Biology and bio-medical sciences
  - \* Electromagnetics
  - \* Mechanics
  - \* Chemistry
  - \* Economics
  - \* Acoustics
  - \* Geophysical hydrodynamics (theory, algorithms, applications)
- Imaging techniques
- Statistical and probabilistic methods
- Identification in nonlinear differential Equations
- Design and shape optimization
- Inverse scattering and time reversal
- Inverse determination of boundary and initial conditions
- Computational methods
- Identifiability concepts
- Regularization techniques
- Data analysis

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Conference web page: [www.ipms-conference.org](http://www.ipms-conference.org)