



THE EIGHTH INTERNATIONAL CONFERENCE

INVERSE PROBLEMS: MODELING & SIMULATION

MAY 23-28, 2016 ÖLÜDENİZ - FETHİYE - TURKEY

<http://www.ipms-conference.org>



The main sponsors of the conference are Izmir University and the Eurasian Association on Inverse Problems.

This conference also will be held under the auspices of the leading international journals "Inverse Problems", "Inverse Problems and Imaging", "Journal of Inverse and Ill-Posed Problems", "Inverse Problems in Science and Engineering".



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Main Topics: Inverse Problems in: Electromagnetism, Tomography, Mechanics, Material Science, Heat and Mass Transfer, Chemistry, Biology, Medicine, Economics, Acoustics, Geophysics; Learning Theory; Imaging; Statistical and Probabilistic Methods; Numerical Inversion Methods; Identification in Differential Equations; Regularization Methods; Optimization; Inverse Scattering and Time Reversal; Determination of Boundary and Initial Conditions; Identifiability Concepts; Spectral Inversion; Data Analysis.

Plenary Speakers: Habib Ammari *Department of Applied Mathematics, Ecole Polytechnique - France*; Ronny Ramlau *Industrial Mathematics Institute, Johannes Kepler University - Austria*; William W. Symes *Department of Earth Science, Rice University - USA*; Gunther Uhlmann *Department of Mathematics, University of Washington - USA*

Announced Minisymposiums: **M1:** Interactions of Inverse Problems and Signal Processing (*dedicated to the 80th birthday of Professor Zuhair M. Nashed*); **M2:** Recent Advances in Ill-Posed Problems and Applications (*dedicated to the 70th birthday of Professor Anatoly Yagola*); **M3:** Recent Developments in Inverse Problems and Tomography (*dedicated to the 65th birthday of Professor E. Todd Quinto*); **M4:** Recent Developments in Regularization Techniques: Theory and Applications; **M5:** Geometric Inverse Problems; **M6:** Inverse Potential Problems and Applications to Electromagnetics; **M7:** Regularization and Parameter Choice; **M8:** Generalized Radon Transforms and Applications; **M9:** Inverse Problems and Applications to Medical Imaging; **M10:** Inverse Problems in Wave Propagation; **M11:** Coefficient Identification Problems; **M12:** Statistical Inverse Problems; **M13:** Computational Inverse Problems; **M14:** Hybrid Imaging; **M15:** Inverse Problems in Computer Vision; **M16:** Inverse Source Problems; **M17:** Tomographic Inverse Problems and Applications

Conference Secretary: Pinar Barış Şahin, (pinar.baris@izmir.edu.tr), *Izmir University, Turkey.*

