

Recent Developments in Inverse Problems and Tomography

Minisymposium dedicated to the 65th anniversary
of an outstanding expert in inverse problems Professor Alfred K. Louis

Organizers:

P. Maass, University of Bremen, Germany (pmaass@math.uni-bremen.de)
E. T. Quinto, Tufts University, USA (todd.quinto@tufts.edu)

Invited Speakers

S. Arridge, *Diffuse optical and PhotoAcoustic Tomography*
University College London, England, simon.arridge@cs.ucl.ac.uk

H.T. Banks, *Model validation for a noninvasive arterial stenosis detection problem*,
NC State University, USA, htbanks@ncsu.edu

P. Deuflhard, *Affine Covariant Versus Affine Contravariant Gauss-Newton Methods*,
Institut fuer Mathematik, Germany, deuflhard@zib.de

B. Hahn, *Challenges in time-dependent computerized tomography*,
Saarland University, Germany, hahn@num.uni-sb.de

R. Hielscher, *The inversion of the Radon transform on the rotation group*
Technical University of Chemnitz, Germany, Ralf.Hielscher@mathematik.tu-chemnitz.de

M. Jiang, S.W. Lee, A.K. Louis, C.W. Ahn, J. Kim, Y. Zhou, T. Zhou, *X-Ray phase-contrast imaging with grating interferometry*, School of Mathematical Sciences, Peking University, China, ming-jiang@pku.edu.cn

S.I. Kabanikhin, **O.I. Krivorotko**, *Singular value decomposition in inverse problems*, ICM&MG, NSU, Novosibirsk, Russia, krivorotko.olya@mail.ru

F. Natterer, *Ultrasound reflection mammography*, Universitaet Muenster, Germany,
nattere@math.uni-muenster.de

R. Ramlau, *Inverse problems in adaptive optics*, Johannes Kepler Universitaet Linz, Austria, ronny.ramlau@jku.at

A. Kirsch, **A. Rieder**, *On the frechet differentiability of operators in seismic tomography*
Karlsruhe Institute of Technology, Germany, rieder@kit.edu

A. Katsevich, **T. Schuster**, *On an exact inversion formula for the 3D cone beam transform of vector fields*, University of Central Florida, USA; Saarland University, Germany, thomas.schuster@num.uni-sb.de