



Conference Programme

7th International Conference “Inverse Problems: Modeling & Simulation”

held on May 26-31, 2014, Ölüdeniz, Fethiye, Turkey



7th International Conference

“Inverse Problems: Modeling and Simulation”

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

Ölüdeniz – Fethiye, Turkey
May 26 – 31, 2014

CONFERENCE PROGRAMME

TABLE of CONTENTS

General Information	2
Organizing Institution/Sponsors.....	3
Main Topics.....	3
Committees.....	4
Conference Programme.....	5
Minisymposiums/ Plenary Sessions	
Monday 26 th May, 2014	7
Tuesday 27 th May, 2014	8
Wednesday 28 th May, 2014.....	11
Thursday 29 th May, 2014.....	13
Friday 30 th May, 2014	15

Welcome
to the 7th International Conference “Inverse Problems: Modeling and Simulation”
May 26- 31, 2014, Ölüdeniz-Fethiye, Turkey

The First International Conference “Inverse Problems: Modeling and Simulation”, sponsored by Fethiye Municipality, Office of Naval Research International Field Office and Naval Undersea Warfare Center (USA), and also by Danish Interdisciplinary Inversion Group (DIIG) (Denmark) was held during July 12 - 21, 2002, in Fethiye, Turkey.

The Second International Conference “Inverse Problems: Modeling and Simulation”, sponsored by Fethiye Municipality, international journals "Inverse Problems", "Journal of Inverse and Ill-Posed Problems", "Inverse Problems in Engineering", the Scientific and Technological Research Council of Turkey (TUBITAK) was held during June 07 - 12, 2004, in Fethiye, Turkey.

The Third International Conference “Inverse Problems: Modeling and Simulation”, sponsored by Mugla Governorship, the Scientific and Technological Research Council of Turkey (TUBITAK), Ölüdeniz Municipality, international journals "Inverse Problems", "Journal of Inverse and Ill-Posed Problems", "Inverse Problems in Science and Engineering" was held during May 29 - June 02, 2006, in Oludeniz - Fethiye, Mugla, Turkey.

The Fourth International Conference “Inverse Problems: Modeling and Simulation” was held in Ölüdeniz (Fethiye, Mugla) during May 26 -30, 2008 and was sponsored by Turkish International Cooperation and Development Agency (TIKA), Mugla Governorship, Ankara Branch of Turkish Mathematical Society, Korfez Municipality, Oludeniz Municipality, international journals “Inverse Problems”, “Journal of Inverse and Ill-Posed Problems”, “Inverse Problems in Science and Engineering”.

The Fifth International Conference "Inverse Problems: Modeling and Simulation" was held during May 24 - 29, 2010, in one of distinguished hotels of the Mediterranean Region, in famous Lykia World & Links Golf Antalya hotel, Antalya, Turkey. The proposed International Conference was under the auspices of the leading international journals, "Inverse Problems in Science and Engineering", "Inverse Problems", "Journal of Inverse and Ill-Posed Problems", and the International Society for Inverse Problems in Science and Engineering (ISIPSE). The organizers of the Conference, in particular the Department of Mathematics and Computer Sciences of Izmir University, worked to put together an excellent scientific program with social activities.

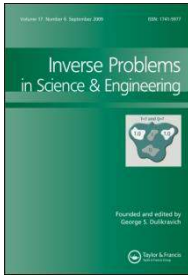
The Sixth International Conference "Inverse Problems: Modeling and Simulation" was held during May 21-26, 2012, in the distinguished hotel of the Mediterranean Region, in famous Lykia World & Links Golf Antalya hotel, Antalya, Turkey. The conference was a success with about 200 participants from more than 35 different countries. The Conference was organized by the Department of Mathematics and Computer Science, Izmir University, under the auspices of the "Inverse Problems in Science and Engineering", "Inverse Problems", "Journal of Inverse and Ill-Posed Problems", “Inverse Problems and Imaging”.

The Seventh International Conference "Inverse Problems: Modeling and Simulation" will be held during May 26-31, 2014, in the distinguished hotel Liberty Hotels Lykia, Ölüdeniz-Fethiye, Turkey. The meeting is supported by the Scientific and Technological Research Council of Turkey (TUBITAK), and also is sponsored by Izmir University and Doganata Society for Education and Culture. This meeting will bring together more than 200 internationally known speakers and exhibitors from over 35 countries world-wide.

Organizing Institution



Sponsors



Main Topics

- Inverse Problems in: Electromagnetism and Tomography; Mechanics and Material Science, Heat and Mass Transfer, Chemistry and Biology, Medicine, Economics with Financial and Actuarial Applications, Acoustics and Geophysics, Learning Theory;
- Imaging Techniques;
- Design and Shape Optimization;
- Statistical and Probabilistic Inverse Methods;
- Identification in Nonlinear Differential Equations;
- Regularization Techniques;
- Inverse Scattering and Time Reversal;
- Determination of Boundary and Initial Data;
- Identifiability Concepts
- Spectral Inversion;
- Data Assimilation

Committees

Chair of the Conference:

- ☞ Alemdar Hasanoglu (Hasanov), Izmir University, Turkey

Co-Chairs:

- ☞ H. Thomas Banks, North Carolina State University, USA
- ☞ Sergey I. Kabanikhin, ICM&MG RAS, Novosibirsk, Russia
- ☞ Daniel Lesnic, University of Leeds, UK
- ☞ Alfred K. Louis, Universität des Saarlandes, Germany

International Program Committee:

- ☞ George S. Dulikravich, Florida International University, USA
- ☞ Abdellatif El Badia, University of Technology of Compiègne, France
- ☞ Drossos Gintides, National Technical University of Athens, Greece
- ☞ Dinh Nho Hào, Hanoi Institute of Mathematics, Vietnam
- ☞ Uno Hämarik, University of Tartu, Estonia
- ☞ Bernd Hofmann, Chemnitz University of Technology, Germany
- ☞ Akhtar A. Khan, Rochester Institute of Technology, USA
- ☞ Fikri J. Küçük, Schlumberger Riboud Product Centre, France
- ☞ Peter Maass, University of Bremen, Germany
- ☞ M. Zuhair Nashed, University of Central Florida, USA
- ☞ Andreas Neubauer, University of Linz, Austria
- ☞ Börje Nilsson, Linnæus University, Sweden
- ☞ Muhtarbay Otelbaev, L.N. Gumilev Eurasian National University, Kazakhstan
- ☞ Lassi Päiväranta, University of Helsinki, Finland
- ☞ Eric Todd Quinto, Tufts University, USA
- ☞ Vladimir G. Romanov, Sobolev Institute of Mathematics, Russia
- ☞ Otmar Scherzer, University of Vienna, Austria
- ☞ Marian Slodička, Ghent University, Belgium
- ☞ Vladimir V. Vasin, Institute of Mathematics and Mechanics, Ekaterinburg, Russia
- ☞ Anatoly G. Yagola, Moscow State University, Russia
- ☞ Valery Yakhno, Dokuz Eylül University, Turkey
- ☞ Francesco Zirilli, Università di Roma La Sapienza, Italy

International Organizing Committee:

- ☞ Kayhan Erciyeş, Rector of Izmir University, Turkey (Chair)
- ☞ Arzu Erdem, Kocaeli University, Turkey
- ☞ B.Tomas Johansson, Linkeping University, Sweden
- ☞ Olga I. Krivorotko, Novosibirsk State University, Russia
- ☞ Burhan Pektaş, Izmir University, Turkey
- ☞ Cristiana Sebu, Oxford Brookes University, UK
- ☞ Maxim A. Shishlenin, Sobolev Institute of Mathematics, Russia
- ☞ Fatih Yaman, İzmir Technology Institute, Turkey
- ☞ Onur Baysal, Izmir University, Turkey

Conference Secretary:

- ☞ Pınar Barış (Şahin), Izmir University, Turkey

PROGRAMME OUTLINE

Registration:

May 25, 2014, 10:00-20:00 (Hotel Reception Hall)

May 26, 2014, 08:30-09:30 (Congress Center)

MONDAY 26th May, 2014

09:30-10:20	Welcome / Opening Ceremony (Amphitheatre)		
10:20-11:00	Plenary Lecture: Roman Novikov (Amphitheatre)		
11:00-11:20	Coffee Break		
	Salon A	Salon B	Salon C
11:20-13:20	(M3) Recent Developments in Inverse Coefficient and Source Problems (<i>Dedicated to Dr. Alemdar Hasanoglu (Hasanov)</i>) (Organizers: A. El Badia, B. Hofmann, S.Kabanikhin, D. Lesnic, Z. Nashed)	(M12) Inverse Problems in Tomography and Related Areas (Organizers: P. Maass, E. T. Quinto)	(M7) Regularization and Parameter Choice (Organizers: U. Hämarik, B. Kaltenbacher)
13:20-15:00	Lunch	Lunch	Lunch
15:00-16:30	(M3) (Continued)	(M12) (Continued)	(M7) (Continued)
16:30-16:50	Coffee Break	Coffee Break	Coffee Break
16:50-18:50	(M3) (Continued)	(M12) (Continued)	(M7) (Continued)
19:30-20:30	Welcome Party		

TUESDAY 27th May, 2014

09:00-09:40	Plenary Lecture: Michael V. Klibanov (Amphitheatre)		
	Salon A	Salon B	Salon C
09:45-11:45	(M3) Recent Developments in Inverse Coefficient and Source Problems (Continued)	(M12) Inverse Problems in Tomography and Related Areas (Continued)	(M4) Wave Phenomena and Inverse Problems (<i>Dedicated to Dr. Vladimir G. Romanov</i>) (Organizers: V. Vasin, V. Yakhno)
11:45-12:00	Coffee Break	Coffee Break	Coffee Break
12:00-13:30	(M3) (Continued)	(M1) Recent Developments in Inverse Problems and Tomography (<i>Dedicated to Dr. Alfred K. Louis</i>) (Organizers: P. Maass, E. T. Quinto)	(M4) (Continued)
13:30-15:00	Lunch	Lunch	Lunch
15:00-16:30	(M3) (Continued)	(M1) (Continued)	(M4) (Continued)
16:30-16:50	Coffee Break	Coffee Break	Coffee Break
16:50-19:20	(M3) (Continued)	(M1) (Continued)	(M14) Non-Iterative Reconstruction Schemes for Inverse Problems (Organizer: G. Nakamura)
20:00-24:00	Banquet		

PROGRAMME OUTLINE (Continued)

WEDNESDAY 28th May, 2014			
09:00-09:40	Plenary Lecture: Jens Flemming (Amphitheatre)		
	Salon A	Salon B	Salon C
09:45-11:45	(M15) Cross-Modality Priors in Tomography (Organizers: S. Arridge, J. Ehrhardt)	(M2) Inverse Problems in Wave Phenomena, in Financial and Actuarial Applications (<i>Dedicated to Dr. Francesco Zirilli</i>) (Organizers: M. Bertocchi, B. Nilsson, S. Nordebo)	(M8) Analytical and Numerical Methods for Inverse Problems (Organizers: M. Klibanov, Y. Shestopalov)
11:45-12:00	Coffee Break	Coffee Break	Coffee Break
12:00-13:30	(M10) Inverse Problems and Imaging (<i>Dedicated to Dr. Lassi Päivärinta</i>) (Organizers: C. Sebu, S. Siltanen)	(M2) (Continued)	(M8) (Continued)
13:30-15:00	Lunch	Lunch	Lunch
15:00-16:30	(M10) (Continued)	(M2) (Continued)	(M8) (Continued)
16:30-16:50	Coffee Break	Coffee Break	Coffee Break
16:50-19:10	(M10) (Continued)	(M6) Recent Developments in Regularization Techniques: Theory and Applications (Organizers: B. Hofmann, A. Neubauer)	(M8) (Continued)
THURSDAY 29th May, 2014			
09:00-09:40	Plenary Lecture: Alexander Bukhgeym (Amphitheatre)		
	Salon A	Salon B	Salon C
09:45-11:45	(M13) Inverse Problems in Partial Differential Equations and Variational Inequalities (Organizers: A.A. Khan, M. San C. Tammer, F. Raciti)	(M6) Recent Developments in Regularization Techniques: Theory and Applications (Continued)	(M8) Analytical and Numerical Methods for Inverse Problems (Continued)
11:45-12:00	Coffee Break	Coffee Break	Coffee Break
12:00-13:30	(M13) (Continued)	(M6) (Continued)	(M5) Inverse Problems in Nonlinear PDEs (Organizer: M. Slodička)
13:30-15:00	Lunch	Lunch	Lunch
15:00-16:30	(M13) (Continued)	(M10) Inverse and Data Assimilation Problems in Geophysical Hydrodynamics: Theory and Applications (Organizers: V. Shutyaev, V. Agoshkov, V. Zalesny)	(M5) (Continued)
16:30-16:50	Coffee Break	Coffee Break	Coffee Break
16:50-19:10	(M13) (Continued)	(M10) (Continued)	(M11) Multidimensional Ill-Posed Problems (Organizer: A. Yagola)
FRIDAY 30th May, 2014			
09:00-09:45	The Constituent Assembly of the Eurasian Association for Inverse Problems		
09:45-10:15	International Program Committee Meeting (Salon A)		

11:00-18:00

Boat Tour

MONDAY 26th May, 2014

PLENARY SESSION (Amphitheatre)
 (Chairs: Bernd Hofmann, A. Neubauer)

10:20-11:00

Roman Novikov, *Inverse problems of quantum and acoustic scattering at fixed frequency*, Ecole Polytechnique, France

11:00-11:20

Coffee Break

MINISYMPOSIUMS

(M3) Recent Developments in Inverse Coefficient and Source Problems (*Dedicated to Dr. Alemdar Hasanoglu (Hasanov)*)
Chairs: A. El Badia, B. Hofmann, S. Kabanikhin, D. Lesnic, Z. Nashed (11:20-13:20)

(M12) Inverse Problems in Tomography and Related Areas
Chairs: P. Maass, E. T. Quinto (11:20-13:20)

(M7) Regularization and Parameter Choice
Chairs: U. Hämarik, R. Plato (11:20-13:20)

Salon A

Salon B

Salon C

V. Vasin, *Modified Newton type methods for approximation of solutions to nonlinear inverse problems and applications*, Institute of Mathematics and Mechanics, Ekaterinburg, Russia (11:20- 11:50)

T.T. Truong, *On a class of circular arc Radon transforms in the plane: geometric approach and applications to imaging tomography*, University of Cergy-Pontoise, France (11:20- 11:50)

S. Kindermann, *Understanding generalized cross validation from the deterministic point of view*, Johannes Kepler University Linz, Austria (11:20- 11:50)

V. G. Romanov, *Inverse problems for viscoelasticity equations*, Sobolev Institute of Mathematics, Russia (11:50 - 12:20)

J. A. Burns, *Parameter estimation for delay differential equations with disturbances*, Virginia Polytechnic Institute, USA (11:50 - 12:20)

U. Hämarik, U. Kangro, R. Palm, T. Raus, *On the choice of the regularization parameter in ill-posed problems with exact and approximate noise level of the data*, University of Tartu, Estonia (11:50 - 12:20)

B. Hofmann, *On the sequential discrepancy principle and the exact penalization veto in Banach space regularization*, TU Chemnitz, Germany (12:20 - 12:50)

P. Dülk, *Parameter identification in a reaction diffusion equation arising from biochemical evolution of genes in embryogenesis*, University of Bremen, Germany (12:20 - 12:50)

T. Raus, *Heuristic hybrid rule for choosing regularization parameter*, University of Tartu, Estonia (11:00 - 11:30)

G.S. Dulikravich, *Inverse determination of spatially varying diffusion coefficient in two dimensional objects*, Florida Int. University, USA (12:50 - 13:20)

J. Frikel, E.T. Quinto, *How to characterize and decrease artifacts in photoacoustic tomography*, Helmholtz Center of Munich, Germany; Tufts University, USA (12:50 - 13:20)

R. Palm, U. Hämarik, T. Raus, *A toolbox for comparing parameter choice rules in ill-posed problems*, University of Tartu, Estonia (12:50 - 13:20)

Lunch (13:20 – 15:00)

(M3) (Continued)
Chairs: A. El Badia, D. Lesnic (15:00 - 16:30)

(M12) (Continued)
Chairs: P. Maass, E. T. Quinto (15:00 - 16:30)

(M7) (Continued)
Chairs: U. Hämarik, R. Palm (15:00 - 16:30)

Salon A

Salon B

Salon C

A.D. Iskenderov, R.K. Tagiyev, *Variational method of solving the coefficient identification problems for quasilinear parabolic equation*, Lenkeran State University, Azerbaijan (15:00 - 15:30)

J. Qiu, M. Jiang, C. Liu, *A novel discretization method with geometric symmetry for image reconstruction*, Beijing Information Science & Technology University, China (15:00 - 15:30)

T. Hohage, F. Werner, *Convergence rates for inverse problems with impulsive noise*, University of Göttingen, Germany (15:00 - 15:30)

A. Yagola, *Inverse problems on compact sets for PDE*, Moscow State University, Russia (15:30 - 16:00)

H. Kohr, *Lambda tomography as feature reconstruction*, Universität des Saarlandes, Germany (15:30 - 16:00)

F. Werner, *Statistical regularization theory for inverse problems with Poisson data*, University of Göttingen, Germany (15:30 - 16:00)

D.N. Hào, B.V. Huong, D. Lesnic, Identification of nonlinear heat transfer laws from boundary observations , Hanoi Institute of Mathematics, Vietnam (16:00 - 16:30)	C. Sebu, 3D Image reconstruction algorithm for electrical impedance tomography data collected on planar electrode arrays , Oxford Brookes University, UK (16:00 - 16:30)	A. Firsova, Choice of regularization parameter for electromagnetic field extrapolation with limited amount of information , Krylov State Research Centre, Russian (16:00 - 16:30)
Coffee Break (16:30 – 16:50)		
(M3) (Continued) Chairs: G.S. Dulikravich, M. Slodička (16:50 - 19:00)	(M12) (Continued) Chairs: H. Kohr, T.T. Truong (16:50 - 18:50)	(M7) (Continued) Chairs: U. Hämarik, R. Palm (16:50 - 18:50)
Salon A	Salon B	Salon C
A. El Badia, A. El Hajj, Stability estimates for an inverse source problem of Helmholtz's equation from a single Cauchy data at fixed frequency , University of Technology of Compiègne, France (16:50 - 17:20)	J. Boman, J. Andersson, Estimates with a priori bound for inverse local Radon transforms , Stockholm University, Sweden (16:50 - 17:20)	G. Vainikko, Inversion of the Riemann-Liouville integral operator and application to Abel equation , University of Tartu, Estonia (16:50 - 17:20)
D. Lesnic, A. Hazanee, D.N. Hao, P. Thanh, Determination of additive and multiplicative sources in the heat equation , University of Leeds, UK (17:20 - 17:50)	V. Krishnan, Inversion of a class of circular and elliptical Radon transforms , Tata Inst. of Fund. Research Centre For Applicable Mathematics, India (17:20 - 17:50)	U. Kangro, B. Kaltenbacher, U. Hämarik, E. Resmerita, On self-regularization of ill-posed problems in Banach spaces by projection method , University of Tartu, Estonia (17:20 - 17:50)
M. Slodička, Recovery of a time-dependent source in a parabolic problem by means of boundary measurements , Ghent University, Belgium (17:50 - 18:20)	V. Nikitin, F. Andersson, M. Carlsson, The exponential Radon Transform by using unequally spaced fast Laplace transforms , Lund Univ., Sweden (17:50 - 18:20)	R. Plato, Volterra integral equations of the first kind with smooth kernels and their regularization by multistep methods , University of Siegen, Germany (17:50 - 18:20)
B. Mukanova, M. Kulbai, E. Tazhibayev, Inverse source problem for advection - diffusion equation: the numerical recovery via boundary measurement data , L.N. Gumilev ENU, Kazakhstan (18:20 - 18:40)	P. Elbau, Inverse problems in optical coherence tomography , RICAM, Austria (18:20 - 18:50)	P. Tkachenko, Parameter choice strategies for least-squares approximations in C-space on the sphere , RICAM, Austria (18:20 - 18:50)
E. A. Veral, W. P. Millhiser, Designing appointment system templates with operational performance targets , Baruch College, Zicklin School of Business, USA (18:40 - 19:00)		

TUESDAY 27th May, 2014

PLENARY SESSION (Amphitheatre) (Chairs: Roman Novikov, Valery Yakhno)		
09:00-09:40	Michael V. Klibanov, Approximate global convergence for coefficient inverse problems , University of North Carolina at Charlotte, USA	
MINISYMPOSIUMS		
(M3) Recent Developments in Inverse Coefficient and Source Problems (Continued) Chairs: D.N. Hào, M. Slodička (09:45-11:45)	(M12) Inverse Problems in Tomography and Related Areas (Continued) Chairs: V. Krishnan, J. Qiu (09:45-11:45)	(M4) Wave Phenomena and Inverse Problems (Dedicated to Dr. Vladimir G. Romanov) Chairs: V. Vasin, V. Yakhno (09:45-11:45)
Salon A	Salon B	Salon C

B. Akpayev , A. Hasanov, M. Otelbaev, <i>A source identification problem related to a mathematical model of laser surface heating</i> , ENU, Kazakhstan; Izmir University, Turkey (09:45 - 10:05)	R. C. Smith , J. McMahan Jr., <i>Bayesian model calibration in the presence of model uncertainty</i> , NC State University, USA (09:45 - 10:15)	R. Mukhometov , <i>Reconstruction of tensor fields since reflected boundary in integral geometry</i> , University of Ottawa, Canada (09:45 - 10:05)
O. Baysal , A. Hasanov, <i>Identification of an unknown time dependent source in a vibrating cantilevered beam from boundary measured bending moment</i> , Izmir University, Turkey (10:05 – 10:25)	G. Rigaud , A. Lakhal, A.K. Louis, <i>Radon transform over Cormack-type curves and applications in compton scattering tomography</i> , Saarland University, Germany (10:15 – 10:45)	A.D. Iskenderov , G.Yagub, <i>Inverse problem about identification of an unknown coefficients of Schrodinger type equation</i> , Lenkaran State University, Azerbaijan (10:05 – 10:25)
B. Pektaş , <i>Determination of a spacewise source in advection-diffusion equation</i> , Izmir University, Turkey (10:25 - 10:45)	K. Prieto-Moreno , O. Dorn, <i>Sparsity and total variation regularizations in optical tomography</i> , University of Manchester, UK (10:45 - 11:15)	V.G. Yakhno , T. Yakhno, <i>The time-dependent fundamental solutions for equations of elastodynamics and electrodynamics</i> , Dokuz Eylul University, Turkey (10:25 - 10:55)
I.V. Marinin , D. Khidasheli, <i>3D visualization and integrated techniques for investigation of the tsunami phenomena</i> , ICM&MG SB RAS, Novosibirsk; WAPMERR, Moscow, Russia (10:45 - 11:05)	S. Hamilton , A. Hauptmann, J. L. Mueller, S. Siltanen, <i>A novel data-driven D-bar reconstruction algorithm for experimental 2D electrical impedance tomography data</i> , University of Helsinki, Finland (11:15 - 11:45)	S. I. Kabanikhin, O.I. Krivorotko, N. Zyatkov , <i>The numerical solution of the direct and inverse problems of isotropic elasticity</i> , Novosibirsk State University, Russia (10:55 - 11:15)
A.Ilyin, S. Kabanikhin, D. Voronov , <i>Numerical solutions of the inverse problem of pharmacokinetics</i> , NSU, Novosibirsk; ICM&MG Russia; Scientific Center for anti-infectious drugs, Kazakhstan (11:05 - 11:25)		F. Yaman , Th. Weiland, <i>A boundary integral equation approach for nondestructive testing of tendon ducts</i> , İzmir Technology Institute, Turkey (11:15 - 11:45)
B. Abdelaziz , A. El Badia, A. El Hajj, <i>Reconstruction of extended sources with small supports in some elliptic equations from a single Cauchy data</i> , University of Technology of Compiègne, France (11:25 - 11:45)		

Coffee Break (11:45 – 12: 00)

(M3) (Continued) Chairs: D.N. Hào, M. Slodička (12:00 - 13:50)	(M1) Recent Developments in Inverse Problems and Tomography (<i>Dedicated to Dr. Alfred K. Louis</i>) Chairs: P. Maass, E. T. Quinto (12:00 - 13:30)	(M4) (Continued) Chairs: A. Iskenderov, V. Yakhno (12:00 - 13:30)
Salon A	Salon B	Salon C
A. Hasanov , B. Mukanova, <i>A unified approach to identifying an unknown source/initial data in evolution equations from final overdetermination</i> , Izmir University, Turkey; ENU, Kazakhstan (12:00 - 12:30)	F. Natterer , <i>Ultrasound reflection mammography</i> , Universitaet Muenster, Germany (12:00 - 12:30)	M.V. Klibanov , <i>Globally strictly convex cost functionals for some coefficient inverse problems</i> , University of North Carolina at Charlotte, USA (12:00 – 12:20)
M.A. Shishlenin , <i>Continuation of wave fields from the part of the boundary</i> , Sobolev Institute of Mathematics, Russia (12:30 - 13:00)	H.T. Banks , <i>Model validation for a noninvasive arterial stenosis detection problem</i> , NC State University, USA (12:30 - 13:00)	S.I. Kabanikhin, O.I. Krivorotko , <i>Combined inverse problem for linear shallow water equations</i> , ICM&MG; NSU, Novosibirsk, Russia (12:20 - 12:40)

A.A. Sedipkov , <i>The inverse spectral problem for the impedance equation with piecewise continuous coefficients</i> , Sobolev Institute of Mathematics, Russia (13:00 - 13:30)	R. Ramlau , <i>Inverse problems in adaptive optics</i> , Johannes Kepler Universitaet Linz, Austria (13:00 - 13:30)	A. Bukhgeim , <i>Inversion formulas for elliptic inverse problems</i> , Wichita State University, USA (12:40 - 13:00)
B. Pektaş , P. Barış Şahin, <i>Comparative analysis of TSVD and CGA algorithms for spacewise source identification problems</i> , Izmir University, Turkey (13:30 - 13:50)		V.P. Golubyatnikov , <i>Some inverse problems of gene networks modeling in bioinformatics</i> , Sobolev Inst. of Mathematics, Russia (13:00 - 13:30)
Lunch (13:30 – 15:00)		
(M3) (Continued) Chairs: B. Mukanova, M.A. Shishlenin (15:00 - 16:30)	(M1) (Continued) Chairs: P. Maass, E. T. Quinto (15:00 - 16:30)	(M4) (Continued) Chairs: R. Mukhometov, F. Yaman (15:00 - 16:30)
Salon A	Salon B	Salon C
T. Johansson , <i>On source and parameter reconstruction from final data in the heat equation</i> , University of Linköping, Sweden (15:00 - 15:30)	A. Kirsch, A. Rieder , <i>On the Frechet differentiability of operators in seismic tomography</i> , Karlsruhe Institute of Technology, Germany (15:00 - 15:30)	K. Iskakov , A. Kussainova, <i>Finite difference time-domain method for inverse problem of electrodynamics</i> , L.N. Gumilyov ENU, Kazakhstan, (15:00 - 15:30)
A. Erdem , <i>Experimental study for characterization of time dependent source term and initial temperature</i> , Kocaeli University, Turkey (15:30 - 15:50)	A. Katsevicha, T. Schuster , <i>On an exact inversion formula for the 3D cone beam transform of vector fields</i> , University of Central Florida, USA; Saarland University, Germany (15:30 - 16:00)	E. Bidaybekov , V.S. Kornilov, G.B. Kamalova, <i>Inverse problems for differential equations in education</i> , Kazakh National Pedagogical University, Kazakhstan (15:30 - 16:00)
B. Rysbaiuly , <i>Nonlinear inverse coefficient problem for the freezing soil</i> , International Information Technology University, Kazakhstan (15:50 - 16:10)	M. Jiang , S.W. Lee, A.K. Louis, C.W. Ahn, J. Kim, Y. Zhou, T. Zhou, <i>X-Ray phase-contrast imaging with grating interferometry</i> , Peking University, China (16:00 - 16:30)	G. Georgiev , M.N. Georgieva–Grosse, <i>Theory of the circular waveguide, completely filled with azimuthally magnetized ferrite: Review of recent results</i> , Univ. of Veliko Tirnovo, Bulgaria (16:00 - 16:30)
N. Novikov , <i>Numerical methods for solving Gel'fand-Levitan-Krein equation</i> , ICM&MG; NSU, Novosibirsk, Russia (16:10 – 16:30)		
Coffee Break (16:30 – 16: 50)		
(M3) (Continued) Chairs: B. Mukanova, M.A. Shishlenin (16:50 - 19:10)	(M1) (Continued) Chairs: P. Maass, E. T. Quinto (16:50 - 19:20)	(M14) Non-iterative reconstruction schemes for inverse problems Chair: G. Nakamura (16:50 - 19:20)
Salon A	Salon B	Salon C
Z. Muradoğlu, F. Ilhan , <i>Numerical solution of inverse coefficient problem for non-linear biharmonic equation</i> , Kocaeli University, Turkey (16:50 – 17:10)	P. Deuffhard , <i>Affine covariant versus affine contravariant Gauss-Newton methods</i> , Institut fuer Mathematik, Germany (16:50 - 17:20)	M. Ikehata, H. Itou , <i>On reconstruction of cavities in a three dimensional linearized viscoelasticity</i> , Tokyo University of Science, Japan (16:50 - 17:20)
R. Tinaztepe, S. Tatar , S. Ulusoy, <i>Simultaneous inversion for the exponents of the fractional time and space derivatives in the space-time fractional diffusion equation</i> , Zirve University, Turkey (17:10 - 17:30)	S.I. Kabanikhin , O.I. Krivorotko, <i>Singular value decomposition in inverse problems</i> , ICM&MG; NSU, Novosibirsk, Russia (17:20 – 17:50)	A. Kirsch , <i>The factorization method for an inverse fluid solid interaction scattering problem</i> , Karlsruhe Institute of Technology, Germany (17:20 - 17:50)

K. Aida-zade, A. Rahimov , <i>Numerical solution to an inverse problem for a hyperbolic equation with integral overdetermination condition</i> , Cybernetics Institute NAS, Azerbaijan; Institut Fresnel, France (17:30 - 17:50)	B. Hahn , <i>Challenges in time-dependent computerized tomography</i> , Saarland University, Germany (17:50 - 18:20)	B. Kaltenbacher , P. Steinhorst, <i>Application of the reciprocity principle for the determination of planar cracks in piezoelectric material</i> , University of Klagenfurt (17:50 - 18:20)
S. Asiri , T.-M. Laleg-Kirati, <i>Modulating functions method for wave source estimation</i> , KAUST, Saudi Arabia (17:50 - 18:10)	R. Hielscher , <i>The inversion of the Radon transform on the rotation group</i> , TU Chemnitz, Germany (18:20 - 18:50)	J. Liu , H. Wang, <i>On the reconstruction of surface impedance from the far-field data in inverse scattering problems</i> , Southeast Univ. China (18:20 - 18:50)
S. Kabanikhin, M.A. Shishlenin, D. Nurseitov , A. Nurseitova, S. Kasenov, <i>Comparative analysis of regularization methods for solving ill-posed problems for the Helmholtz equation</i> , ICM&MG RAS; Sobolev Inst. of Math., Russia; NOPRLIST KazNTU, Kazakhstan (18:10 - 18:30)	S. Arridge , <i>Diffuse optical and photoacoustic tomography</i> , University College London, England (18:50 - 19:20)	H. Wang , G. Nakamura, H. Heck, <i>The linear sampling method for the heat equation</i> , Southeast University, China; Hokkaido University, Japan; Darmstadt Technical University, Germany (18:50 - 19:20)
E. Özbilge , <i>Convergence theorem of a 1D coefficient inverse problem</i> , Izmir University of Economics, Turkey (18:30 - 18:50) B. Pektaş, E. Tamcı , <i>Determination of heat flux in a nonlinear parabolic equation</i> , Izmir University, Turkey (18:50 - 19:10)		

WEDNESDAY 28th May, 2014

PLENARY SESSION (Amphitheatre) (Chairs: B. Hofmann, A. Neubauer)

09:00-09:40

Jens Flemming, *Regularization of autoconvolution equations and other ill-posed problems of quadratic structure*, Chemnitz University of Technology, Germany

MINISYMPOSIUMS

(M15) Cross-Modality Priors in Tomography

Chair: S. Arridge
(09:45 - 11:45)

(M2) Inverse Problems in Wave Phenomena, in Financial and Actuarial Applications
(Dedicated to Dr. F. Zirilli)

Chairs: B. Nilsson, S. Nordebo
(09:45 - 11:45)

(M8) Analytical and Numerical Methods for Inverse Problems
Chairs:

M. Klibanov, Y. Shestopalov
(09:45 - 11:45)

Salon A

T. Page, M. Jiang, P. Maass, *A free discontinuity approach to feature based bi-modal image reconstruction*, University of Bremen, Germany (09:45 - 10:15)

Salon B

M. Bertocchi, R. Giacometti, M.T. Vespucciz, *Risk management in energy market*, University of Bergamo, Italy (09:45 - 10:15)

Salon C

J. Leblond, *Boundary inverse problems for elliptic PDEs: source recovery issues and approximation, with physical applications*, INRIA Sophia Antipolis, France (09:45 - 10:15)

D. Kazantsev, W. R. B. Lionheart, P. J. Withers, P.D. Lee, S. Arridge, *A novel technique to incorporate structural prior information into multi modal tomographic reconstruction*, Univ. Manchester, UK (10:15 - 10:45)

L. Fatone, *The use of statistical tests to calibrate stochastic dynamical systems*, University of Camerino, Italy (10:15 - 10:45)

M. Ikehata, *The enclosure method for inverse obstacles scattering in time domain*, Hiroshima University, Japan (10:15 - 10:45)

M. J. Ehrhardt , K. Thielemans, L. Pizarro, D. Atkinson, S. Ourselin, B. F. Hutton, S. R. Arridge, <i>Joint reconstruction of PET-MRI by parallel level sets</i> , University College London, UK (10:45 - 11:15)	B. Nilsson , S. Nordebo, A. Khrennikov, <i>Quantum tomography in optical fibres</i> , Linnaeus University, Sweden (10:45 - 11:15)	P. Sacks , <i>An inverse problem for a simple graph</i> , Iowa State University, USA (10:45 - 11:15)
	S. Nordebo , S. Gustafsson, B. Nilsson, <i>Dispersion modeling and analysis for multilayered open coaxial waveguides</i> , Linnaeus University, Sweden (11:15 - 11:45)	D. Gintides, N. Pallikarakis , <i>The inverse transmission eigenvalue problem for a discontinuous refractive index</i> , Heron Polytechniou, Greece (11:15 - 11:45)
Coffee Break (11:45 – 12: 00)		
(M9) Inverse Problems and Imaging (<i>Dedicated to Dr. Lassi Päivärinta</i>) Chairs: H. Kekkonen , C. Sebu (12:00 - 13:30)	(M2) (Continued) Chairs: M. Bertocchi, S. Nordebo (12:00 - 13:30)	(M8) (Continued) Chairs: D. Gintides, P. Sacks (12:00 - 13:30)
Salon A	Salon B	Salon C
D.D.S. Ferreira, C.E. Kenig, M. Salo , <i>L^p estimates in the Calderon problem</i> , IECN, Université de Lorraine, France; University of Chicago, USA; University of Jyväskylä, Finland (12:00 - 12:30)	F. Mariani , <i>Calibration of the Hull and White stochastic volatility model</i> , University of Verona, Italy (12:00 - 12:30)	Y. Shestopalov , Y.G. Smirnov, <i>Advanced mathematical techniques for the analysis of inverse scattering in waveguides</i> , University of Gävle, Sweden; Penza State University, Russia (12:00 - 12:30)
J. Kaipio , <i>Stochastic DtN map, electrical impedance tomography and boundary truncation</i> , University of Auckland, New Zealand (12:30 - 13:00)	M.C. Recchioni , <i>Differential geometry and the calibration of local stochastic volatility models</i> , University of Ancona, Italy (12:30 - 13:00)	A. Lakhali , <i>Stable algorithms for parameter identification in integro-differential equations and applications</i> , Saarland University, Germany (12:30 - 13:00)
L. Päivärinta , <i>Scattering and non-scattering by corners</i> , University of Helsinki, Finland (13:00 - 13:30)	M. Stumpf , <i>Evaluation of pulsed EM fields in cylindrically layered structures. First steps towards efficient power cable fault detection</i> , Brno University, Czech Republic (13:00 - 13:30)	J. Horacek , <i>On the determination of S-matrix poles by means of analytical continuation</i> , Charles University in Prague, Czech Republic (13:00 - 13:30)
Lunch (13:30 – 15:00)		
(M9) (Continued) Chairs: C. Sebu, V. Serov (15:00 - 16:30)	(M2) (Continued) Chairs: B. Nilsson, S. Nordebo (15:00 - 16:30)	(M8) (Continued) Chairs: M. Ikehata, A. Lakhali (15:00 - 16:30)
Salon A	Salon B	Salon C
H. Kekkonen , M. Lassas, S. Siltanen, <i>White noise paradox in Bayesian inverse problems</i> , University of Helsinki, Finland (15:00 - 15:30)	R. Cerqueti, P. Falbo , C. Pelizzari, <i>Relevant states and memory in Markov chain bootstrapping and simulation</i> , University of Brescia, Italy (15:00 - 15:30)	M. Lavrentiev , A. Romanenko, <i>Measured data inversion for the problem of real time tsunami wave parameters determination</i> , Novosibirsk State University, Russia (15:00 - 15:30)
H. Kettunen, M. Lassas, P. Ola , <i>On absence and existence of anomalous localized resonance</i> , University of Helsinki, Finland (15:30 - 16:00)	S. Gustafsson , S. Nordebo, B. Nilsson, <i>Wave propagation characteristics and model uncertainties for HVDC power cables</i> , Linnaeus University, Sweden (15:30 - 16:00)	L. Nazarova , <i>Application of inverse problems in rock mechanics</i> , Institute of Mining, Siberian Branch of RAS, Russia (15:30 - 16:00)
V. Serov , <i>On the Born-Levinson type theorems</i> , University of Oulu, Finland (16:00 - 16:30)	B. Djechiche, A. Hilbert , H. Nassar, <i>A functional Hodrick-Prescott filter and its applications in econometric</i> , Linnaeus University, Sweden (16:00 - 16:30)	M. Isaev , <i>New stability and instability estimates for inverse scattering problems</i> , CMAP Ecole Polytechnique, France (16:00 - 16:30)
Coffee Break (16:30 – 16: 50)		

(M9) (Continued) Chairs: H. Kekkonen, C. Sebu (16:50 - 18:50)	(M6) Recent Developments in Regularization Techniques Chairs: B. Hofmann, A. Neubauer (16:50 - 18:50)	(M8) (Continued) Chairs: M. Isaev, M. Lavrentiev (16:50 - 18:50)
Salon A	Salon B	Salon C
M. Zubeldia , <i>The inverse Robin boundary value problem in a half-space</i> , University of Helsinki, Finland (16:50 - 17:20)	S. Anzengruber , <i>Sensitivities of tomographic data with respect to the design parameters of nurbs curves</i> , Chemnitz University of Technology, Germany (16:50 - 17:20)	A. Fraćkowiak, M. Ciałkowski , <i>Influence of the Tikhonov–Phillips regularization on the stability of solving inverse problems</i> , TU Poznan, Poland (16:50 - 17:10)
E. Saksman , <i>On adaptive Markov Chain Monte Carlo Methods</i> , University of Helsinki, Finland (17:20 - 17:50)	R. Boiger , B. Kaltenbacher, <i>A method for parameter identification in time-dependent systems</i> , University of Klagenfurt, Austria, (17:20 - 17:50)	A. Fraćkowiak , M. Ciałkowski, <i>Analysis of a stability of the inverse problem solving with the modified Tikhonov regularization</i> , TU Poznan, Poland (17:10 - 17:30)
N. Khoram , R. Djellouli, T. M. Laleg-Kirati, C. Zayane, <i>A novel approach to calibrate the Balloon Model using functional Magnetic Resonance Imaging (fMRI) measurements</i> , California State University, USA (17:50 - 18:20)	K. Bredies , M. Holler, <i>Regularization of linear inverse problems with total generalized variation</i> , University of Graz, Austria (17:50 - 18:20)	S. Sautbekov, Y. Sirenko , A. Vertiy, P. Melezhik, A. Poyedinchuk, N. Yashina, <i>Periodic boundary between two media: synthesis and reconstruction</i> , ENU, Kazakhstan; Inst. Radioph. Electr. NAS, Ukraine (17:30 - 17:50)
T. Rymarczyk , P. Tchórzewski, J. Sikora, <i>Coupling of level set method with FEM and BEM for electrical impedance tomography</i> , Net-Art, Poland (18:20 - 18:50)	D. Gerth , R. Ramlau, <i>A stochastic convergence analysis for Tikhonov-Regularization with sparsity constraints</i> , Johannes Kepler University, Linz, Austria (18:20 - 18:50)	S. Sautbekov , Y. Sirenko, A. Vertiy, P. Melezhik, A. Poyedinchuk, N. Yashina, <i>Regularization of direct and inverse problems in electromagnetic theory of waveguides</i> , ENU, Kazakhstan; Inst. Radioph. Electr. NAS, Ukraine (17:50 - 18:10)
		A. Aldoghaither , T.M. Laleg-Kirati and Da-Yan Liu, <i>A novel approach for parameter and differentiation estimation for a spatial fractional advection dispersion</i> , KAUST, Saudi Arabia (18:10 - 18:30)
		N.Yaparova , <i>Numerical methods for solving an inverse heat conduction problem</i> , South Ural State University, Russia (18:30 - 18:50)

THURSDAY 29th May, 2014

PLENARY SESSION (Amphitheatre)
(Chairs: Michał Ciałkowski, Abdellatif El Badia)

09:00-09:45	Alexander Bukhgeym , <i>Inverse problems and integral geometry</i> , Wichita State University, USA
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MINISYMPOSIUMS

(M13) Inverse Problems in PPDEs and Variational Inequalities. Chairs: A.A. Khan M. Sama (09:45 - 11:45)	(M6) Recent Developments in Regularization Techniques: Theory and Applications. Chairs: R. Ramlau, O. Scherzer (09:45 - 11:45)	(M8) Analytical and Numerical Methods for Inverse Problems Chairs: M. Klibanov, Y. Shestopalov (09:45 - 11:45)
Salon A	Salon B	Salon C

B. Jadamba , <i>An equation error approach for the elasticity imaging inverse problem</i> , RIT, USA (09:45 - 10:15)	E. Klann , R.Ramlau, <i>Regularization properties of Mumford-Shah type functionals with perimeter and norm constraints for linear ill-posed problems</i> , JKU, Linz, Austria (09:45 - 10:15)	A. Mostafazadeh , <i>Dynamical scattering theory, inverse scattering, and unidirectional invisibility</i> , Koç University, Turkey (09:45 - 10:15)
Chr. Tammer , <i>Inverse problems and multicriteria approximation</i> , Martin-Luther-University Halle-Wittenberg, Germany (10:15 - 10:45)	A. Neubauer , R. Ramlau, <i>On convergence rates for quasi-solutions of ill-posed problems</i> , Johannes Kepler University, Linz, Austria (10:15 - 10:45)	G. Alekseev , V. Sosnov, A. Lobanov, <i>Control approach in cloaking problems for 3-D Helmholtz equation</i> , FEF University, Russia; Inst. Appl. Math. RAS, Russia (10:15 - 10:45)
A. Garcia , <i>Reconstruction from boundary measurements for less regular conductivities</i> , University of Jyväskylä, Finland (10:45 - 11:15)	P. Elbau, O. Scherzer , R. Schulze, <i>Inverse formulas for focusing detectors</i> , University of Vienna, Austria (10:45 - 11:15)	J.-C. Jolly , A. Jolly, <i>A verification criterion with three significant applications</i> , University of Angers, France; CEA, France (10:45 - 11:15)
K. Kalimeris , <i>Large amplitude rotational water waves</i> , RICAM, Austria (11:15 - 11:45)	U. Schröder , T. Schuster, <i>An iterative method to reconstruct the refractive index from TOF measurements</i> , Univ. Saarbrücken, Germany (11:15 - 11:45)	K. Grysa , A. Maciąg, <i>Trefftz method and homotopy perturbation method in solving direct and inverse nonlinear problems</i> , Kielce Univ. Technology, Poland (11:15 - 11:45)
Coffee Break (11:45 – 12: 00)		
(M13) (Continued) Chairs: C. Tammer, F. Raciti (12:00 - 13:30)	(M6) (Continued) Chairs: D. Gerth, B. Hofmann (12:00 - 13:30)	(M5) Inverse Problems for Nonlinear PDEs. Chair: M. Slodička (12:00 - 13:30)
Salon A	Salon B	Salon C
A.A. Khan , <i>A first-order adjoint and a second-order hybrid method for an energy output least squares for elastography inverse problem</i> , RIT, USA (12:00 - 12:30)	M. Grasmair , <i>Multiresolution in statistical inverse problems</i> , University of Vienna, Wien, Austria (12:00 - 12:30)	J. Kačur , J. Minár, <i>Determination of parameters in capillary-pressure law in the two phase flow</i> , SF STU; FMFI UK, Bratislava, Slovakia (12:00 - 12:30)
P. Caro , <i>On global uniqueness for an IBVP for the time-harmonic Maxwell equations</i> , University of Helsinki, Finland (12:15 - 12:35)	P. Heins , M. Möller, M. Burger, <i>Locally sparse reconstruction using L_∞-norms</i> , University of Münster, Germany (12:30 - 13:00)	M. Slodička, M. Grimmonprez , <i>Inverse source problem in a semilinear parabolic equation</i> , Ghent University, Belgium (12:30 - 13:00)
M. Sama , B. Jadamba, A. A. Khan, <i>Conical regularization of abstract optimization problems. Some new results and applications</i> , UNED, Spain; RIT, USA (13:00 - 13:30)	B. Kaltenbacher , <i>A second order iterative regularization method for nonlinear problems</i> , University of Klagenfurt, Austria (13:00 - 13:30)	K. Van Bockstal , M. Slodička, <i>Recovery of a space-dependent vector source in a thermoelastic system with memory effects</i> , Ghent University, Belgium (13:00 - 13:30)
Lunch (13:30 – 15:00)		
(M13) (Continued) Chairs: A.A. Khan, M. Sama (15:00 - 16:30)	(M10) Inverse and Data Assimilation Problems in Geophysical Hydrodynamics: Theory and Applications Chairs: V. Shutyaev, N. Zhakharova (15:00 - 16:30)	(M5) (Continued) Chair: J. Kačur (15:00 - 16:30)
Salon A	Salon B	Salon C
E. Chung , <i>Adaptive phase space method for travelttime tomography</i> , The Chinese University of Hong Kong, Hong Kong (15:00 – 15:30)	F.-X. Le Dimet , <i>Assimilation of images for geophysical flows</i> , University of Grenoble, France (15:00 – 15:30)	M. Slodička , <i>Determination of a time-dependent source in a parabolic problem with an evolutionary boundary condition</i> , Ghent University, Belgium (15:00 – 15:30)
F. Raciti , <i>Identification of a parameter in fourth-order partial differential equations by an equation error approach</i> , University of Catania, Italy (15:30 - 16:00)	V. Agoshkov , <i>Study and solution of a class of inverse hydrodynamics problems using variational “image” assimilation</i> , Institute of Numerical Mathematics, Russia (15:30 - 16:00)	J. Minár, J. Babušíková , <i>Determination of sorption isotherms in convection-diffusion-adsorption problems</i> , FMFI UK, Bratislava, Slovakia (15:30 - 16:00)

V.A. Kovtunenکو , K. Kunisch, <i>Non-iterative identification of an object based on optimality conditions Helmholtz problem</i> , Lavrent'ev Inst. of Hydrodynamics, Russia, KF-University of Graz, Austria (16:00 - 16:30)	V. Zalesny , <i>Numerical simulation of sea hydrodynamics and environment monitoring systems</i> , Institute of Numerical Mathematics, Russia (16:00 - 16:30)	A.S. Demidov , <i>The inverse problem for the plasma equilibrium in a tokamak</i> , Moscow State University, Russia (16:00 - 16:30)
Coffee Break (16:30 – 16: 50)		
(M13) (Continued) Chairs: C. Tammer, F. Raciti (16:50 - 19:10)	(M10) (Continued) Chairs: V. Agoshkov, V. Zalesny (16:50 - 18:20)	(M11) Multidimensional Ill-Posed Problems Chairs: A. Yagola, V.D. Ustinov (16:50 - 19:20)
Salon A	Salon B	Salon C
J. Gwinner , <i>Optimization regularization approach to parameter identification in elliptic boundary value problems</i> , University of Muenchen, Germany (16:50 - 17:20)	V. Shutyaev , F.-X. Le Dimet, I. Gejadze, <i>Optimal solution error covariance and posterior covariance in variational data assimilation</i> , Institute of Numerical Mathematics, Russia (16:50 - 17:20)	T. Reginska , <i>On reconstruction of radiation field and beam characteristic parameters in mathematical model of laser beams</i> , Institute of Mathematics, Warsaw, Poland (16:50 - 17:20)
P. Kügler , <i>Inverse bifurcation analysis for drug safety testing</i> , RICAM, Austria (17:20 - 17:50)	E. Parmuzin , <i>Variational data assimilation problem in the Black Sea hydrothermodynamics model using SST data from satellite</i> , Institute of Numerical Mathematics, Russia (17:20 - 17:50)	A. Yagola , <i>Regularizing algorithms for image reconstruction in applications</i> , Moscow State University, Russia (17:20 - 17:40)
B. Jadamba, A. Khan, E. Köbis , Chr. Tammer, <i>A robust approach to uncertainty in optimization as an application of inverse problems</i> , Rochester Institute of Technology, USA; Univ. of Erlangen-Nuremberg, Germany; Martin-Luther-University, Germany (17:50 - 18:20)	N. Zhakharova , N.A. Aseev, <i>Special data base of informational–computational system “INM RAS – Black Sea” for solving inverse and data assimilation problems</i> , Institute of Numerical Mathematics, Russia (17:50 - 18:20)	M. Kojdecki , <i>Iterative methods for a priori parameter choice in Tikhonov’s regularization</i> , Military University of Technology, Warsaw, Poland (17:40 - 18:10)
L. Marin , A. Karageorghis, D. Lesnic, <i>Regularized MPS solutions of inverse BVPs in 3-D thermoelasticity</i> , Institute of Solid Mechanics, Romanian Academy, Univ. Bucharest, Romania; Univ. Cyprus, Cyprus; University of Leeds, UK (18:20 - 18:50)		V.D. Ustinov , S.Yu. Nikitin, A.E. Lugovtsov, A.V. Priezzhev, A.V. Razgulin, <i>Retrieval of erythrocytes distribution in shear-induced elongations by means of laser diffractometry</i> , Moscow State University, Russia (18:10 - 18:30)
M. Haltmeier, S. Pereverzyev Jr. , <i>Recovering a function from circular means or wave data on the boundary of parabolic domains</i> , University of Innsbruck, Austria (18:50 - 19:10)		G. Kuramshina , <i>New models of vibration spectra data processing based on quantum mechanical calculations impletation in the software spectrum</i> , Moscow State Univ., Russia (18:30 - 18:50)
		D. Lukyanenko , <i>How to take into account the round-off errors in solving multidimensional ill-posed problems</i> , Moscow State University, Russia (18:50 - 19:20)

FRIDAY 30th May, 2014

09:00-09:45

**The Constituent Assembly of the Eurasian Association for Inverse Problems
(Salon A)**

09:45-10:15

**International Program Committee Meeting
(Salon A)**

11:00-18:00

Boat Tour