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IPNet Digest   Volume 15, Number 01   February 13, 2008

Today's Editors:

Patricia K. Lamm, Michigan State University
Zhewei Dai, Alma College

Today's Topics:

Submissions for IPNet Digest:
        Mail to ipnet-digest@math.msu.edu

Information about IPNet:
        http://www.math.msu.edu/ipnet

Subject: SIAM Conf. on Imaging Science- CFP Deadlines EXTENDED
From: Kirsten Wilden <Wilden@siam.org>
Date: Fri, 4 Jan 2008

Conference Name:
SIAM Conference on Imaging Science (IS08), being held jointly with the
2008 SIAM Annual Meeting

Location:
Town & Country Resort and Convention Center, San Diego, California

Dates:
July 7-9, 2008

Invited Speakers:

Joint Plenary Speaker
Jean-Michel Morel, ENS Cachan, France

Invited Topical Speakers
John Etgen, BP America
Jeffrey Fessler, University of Michigan, Ann Arbor
Mila Nikolova, Centre de Mathématiques et de Leurs Applications, France
Lenny Rudin, Cognitech Inc.
Lars Ulander, Swedish Defense Research Agency, Sweden
Andrew Zisserman, University of Oxford, United Kingdom

The Call for Presentations for this conference is available at:
http://www.siam.org/meetings/is08/

                    DEADLINES EXTENDED

February 11, 2008: Minisymposium proposals
February 11, 2008: Abstracts for contributed and minisymposium speakers

For additional information, contact SIAM Conference Department at
meetings@siam.org.

Subject: Heat Transfer 2008: Call for Papers from WIT
From: Rachel Swinburn <rswinburn@wessex.ac.uk>
Date: Mon, 14 Jan 2008

Heat Transfer 2008

Tenth International Conference on Advanced Computational Methods and
Experimental Measurements in Heat Transfer
9 - 11 July 2008, Maribor, Slovenia

Organised by: Wessex Institute of Technology, UK and Lund University
of Technology, Sweden
Sponsored by: The Development in Heat Transfer Book Series

View the conference website, which has full details about the conference
objectives, topics and submission requirements at:
      http://www.wessex.ac.uk/heat2008rem3a.html

Conference Topics
 - Natural and forced convection
 - Advances in computational methods
 - Heat and mass transfer
 - Modelling and experiments
 - Heat exchanges and equipment
 - Radiation heat transfer
 - Energy systems
 - Micro and nano scale heat and mass transfer
 - Thermal material characterisation
 - Renewable and sustainable energy
 - Energy balance and conservation

Full conference information is available at:
     http://www.wessex.ac.uk/heat2008rem3a.html
or submit an abstract directly by sending an email to:
rswinburn@wessex.ac.uk

Conference Secretariat

Rachel Swinburn, Conference Manager, Heat Transfer 2008
Wessex Institute of Technology, Ashurst Lodge, Ashurst
Southampton, SO40 7AA. Telephone: 44 (0) 238 029 3223
Fax: 44 (0) 238 029 2853. Email: rswinburn@wessex.ac.uk

Submit an abstract via the conference website or contact the
Conference Secretariat above:
     http://www.wessex.ac.uk/heat2008rem3a.html

Please forward this information to anyone you feel may be interested or

would benefit from this information. They can subscribe by e-mailing
enquiries@wessex.ac.uk and putting SUBSCRIBE- Heat Transfer 2008
in the subject field.

Subject: AMAT08
From: "George A Anastassiou (ganastss)" <ganastss@memphis.edu>
Date: Thu, 17 Jan 2008

CONFERENCE ANNOUNCEMENT:

 "International Conference on Applied Mathematics and Approximation
Theory

2008", October 11-13,2008, University of Memphis, Memphis, TN, USA.

Honoring 80th Birthday of P.L.Butzer (AMAT08).

Plenary Speakers:C.Bardaro, J.Bona, B.Berndt, F.Deutsch, K.Diethelm,
S.Dragomir, J.Goldstein, M.Ismail, M.J.Lai, H.Mhaskar, J.Prestin,
S.Samko,
R.Stens, A.Zayed.

Organizer:George Anastassiou,   http://www.msci.memphis.edu/AMAT2008/

Subject: Gene Golub Around the World Day - Leuven, Feb. 29, 2008
From: Ida Tassens <ida.tassens@esat.kuleuven.be>
Date: Fri, 25 Jan 2008 05:26:25 -0500

ESAT/SCD (EE Dept, K.U.Leuven) and CESAME (Universite Catholique de
Louvain) organize an event in memory of Gene Golub in Leuven. The
event is part of the Gene Golub Around the World Day (29th February,
Gene Golub's birthday - see http://www.cs.nyu.edu/overton/
genearoundtheworld/).

More information: http://www.kuleuven.be/golub/ (the website will be
updated as soon as all information is available).

A tentative list of speakers:
- Raf Vande Bril, K.U.Leuven, Dept. of Computer Science
- Bo Kågström, Umea Univ., Dept. Computing Science
- Gregory Boutry (Univ. Catholique de Lille, Faculte Libre des
  Sciences et Technologies)
- Martin H. Gutknecht, ETH Zurich, Applied Mathematics
- Claude Brezinski, Univ. des Sciences et Technologies de Lille
- Alistair Watson, Univ. Dundee, Div. Mathematics
- Annie Cuyt, Univ. Antwerpen, Dept. Mathematics and Computer Science
- Diana Sima, K.U.Leuven, EE Dept. (ESAT/SCD)
- Lieven De Lathauwer, EE Dept. (ESAT/SCD)
- Petter Bjørstad, University of Bergen, Applied & Computational
Mathematics
  Group. (not yet confirmed)
- Paul Van Dooren, UCL, CESAME
- Sabine Van Huffel, K.U.Leuven, EE Dept. (ESAT/SCD)
- Bart De Moor, K.U.Leuven, EE Dept. (ESAT/SCD)

The talks will have the right mix of technical contribution and fond
memories of Gene Golub.

The event will be followed by a dinner in a Chinese restaurant.

Registration, coffee breaks and sandwich lunch are free of charge.
The dinner will cost 40 euro.
Please register on the website (http://www.kuleuven.be/golub/)
before Feb. 15, and indicate if you will attend the dinner (please
fill out the Dinner Registration Form).

All practical details can be found on the website (payment details,
hotel information, final program, ...): http://www.kuleuven.be/golub/ .

We hope to welcome you at this event,

Bart De Moor, Paul Van Dooren, Sabine Van Huffel
Disclaimer: http://www.kuleuven.be/cwis/email_disclaimer.htm

Subject: Conference in honor of Richard Varga
From: Lothar Reichel <reichel@math.kent.edu>
Date: Wed, 13 Feb 2008

                    CONFERENCE IN HONOR OF RICHARD S. VARGA

We are planning a conference Friday and Saturday, November 17-18, 2008,
at Kent State University, Kent, Ohio, on the occasion of Richard Varga's
80th birthday. There will be personal reminiscence as well as technical
talks in the many areas of mathematics where Richard Varga has made
profound
contributions, including

    R-ATIONAL APPROXIMATION
    I-NCOMPLETE POLYNOMIALS
    C-YCLIC MATRICES
    H-MATRICES
    A-LTERNATING DIRECTION ITERATION
    R-IEMANN HYPOTHESIS
    D-IFFERENTIAL EQUATIONS

    S-PLINES

    V-ERTICES OF GRAPHS
    A-NALYTIC FUNCTIONS
    R-ATE OF CONVERGENCE
    G-ERSHGORIN DISKS
    A-SYMPTOTICS FOR ZEROS OF PARTIAL SUMS

    F-ACTORIZATION OF MATRICES
    E-NTIRE FUNCTIONS
    S-EMI-ITERATIVE METHODS
    T-CHEBYSHEFF APPROXIMATION

The following friends and colleagues of Richard Varga already have
expressed
interest in participating:

Greg Ammar, John Buoni, Amos Carpenter, Lila Cvetkovic, Stephen Demko,
Vladimir Druskin, Michael Eiermann, Roland Freund, Walter Gautschi,
Warren Hickman, Lala Krishna, Andras Kroo, Xiezhang Li, Paco

Marcellan, Volker Mehrmann, Paul Nevai, Timothy Norfolk, Peter Pallfy,
Bob Plemmons, Igor Pritsker, Q. I. Rahman, Ed Saff, Hans Schneider,
Fiorella Sgallari, Frank Stenger, Jozsef Szabados, Daniel Szyld,
Heinrich Voss, and Olof Widlund

Please send e-mail to Lothar Reichel (reichel@math.kent.edu) if you are
interested in joining. There is a conference web site with further
information, which will be updated regularly, at
        http://www.math.kent.edu/~li/RSV80

On behalf of the organizing committee,
Lothar Reichel

Subject: Imaging Group Positions in Austria
From: Otmar Scherzer <Otmar.Scherzer@uibk.ac.at>
Date: Mon, 7 Jan 2008

Doctorate Position f/m at the Infmath Imaging Group in Innsbruck at
the Department of Computer Science at the University of Innsbruck,
Austria

The "Infmath Imaging Group" is searching a Doctorate Candidate with a
strong interest in experimental physics for photo- and thermoacoustic
imaging. The research is funded by the FWF (Austrian Science Fund) in
the framework of an national research network on Photo- and
Thermoacoustic Imaging. The research is conducted together with the
Experimental Physics groups in Graz (Guenther Paltauf), Linz (Peter
Burgholzer) and the Department of Radiology at Medical University
Innsbruck (Werner Jaschke).

A master in physics or a closely related field is required. The
working language is English. The initial contract is for one year with
possible renewal up to three years. For more information contact
O. Scherzer at: otmar.scherzer@uibk.ac.at.

The working place for this research position is both at the University
Innsbruck and Medical University Innsbruck, where the experimental lab
is located.

Starting date of the project is April, 1st, 2008.

The salary is according to the FWF Personalkostensaetze DoktorandIn
Neu: http://www.fwf.ac.at/de/projects/personalkostensaetze_2007.html

Applications with personal and scientific data, copies of relevant
documents and a statement about scientific interests and achievements
should be sent, preferably by email, to otmar.scherzer@uibk.ac.at.

Postal address:
Prof. Dr. Otmar Scherzer
Department of Computer Science,
University of Innsbruck,
Techniker Str. 21a
A-6020 Innsbruck, Austria.

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Postdoc Position f/m at the Imaging Group

At the Johann Radon Institute for Computational and Applied
Mathematics (RICAM) of the Austrian Academy of Sciences, Linz, Austria

The "Imaging Group" is searching a PostDoc with a strong interest and
background in either thermoacoustic imaging or partial differential
equations/variational methods for imaging. The research focus will be
adjusted according to the interests of the successful candidate.

A doctorate in mathematics or a closely related field is required. The
working language is English. The initial contract can be for up to
three years, a renewal for three more years is possible depending on
achievements. For more information contact O. Scherzer at:
otmar.scherzer@uibk.ac.at .

RICAM is a research institute which went into operation on January 1,
2003, and is building up to a total of 30 PostDoc positions in six
areas: Computational Methods for Direct Field Problems, Inverse
Problems, Optimization and Optimal Control, Symbolic Computing,
Analysis of Partial Differential Equations, Mathematical Finance and
Imaging.

The institute is housed on the campus of the Johannes Kepler
University in Linz, a town of about 240.000 on the Danube, very close
to the Austrian Alps, and half-way between Vienna and
Salzburg. Further information is available under:
http://www.ricam.oeaw.ac.at.

Applications with personal and scientific data, copies of relevant
documents and a statement about scientific interests and achievements
should be sent, prefarably by email, to otmar.scherzer@uibk.ac.at.

Postal address:
Prof. Dr. Otmar Scherzer
Department of Computer Science,
University of Innsbruck,
Techniker Str. 21a
A-6020 Innsbruck, Austria.

The Austrian Academy of Sciences is an equal opportunity employer.

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Doctorate Position f/m at the Imaging Group

At the Johann Radon Institute for Computational and Applied
Mathematics (RICAM) of the Austrian Academy of Sciences, Linz, Austria

The "Imaging Group" is searching a Doctorate Candidate with a strong
interest in tomographic imaging (in particularthermoacoustic
imaging). The research is funded by the FWF (Austrian Science Fund) in
the framework of an national research network on Photo- and
Thermoacoustic Imaging.

A master in mathematics or a closely related field is required. The
working language is English. The initial contract is for one year with
possible renewal up to three years. For more information contact
O. Scherzer at: otmar.scherzer@uibk.ac.at .

RICAM is a research institute which went into operation on January 1,

2003, and is building up to a total of 30 PostDoc positions in six areas: Computational Methods for Direct Field Problems, Inverse Problems, Optimization and Optimal Control, Symbolic Computing, Analysis of Partial Differential Equations, Mathematical Finance and Imaging.

The institute is housed on the campus of the Johannes Kepler University in Linz, a town of about 240.000 on the Danube, very close to the Austrian Alps, and half-way between Vienna and Salzburg. Further information is available under: http://www.ricam.oeaw.ac.at.

Starting date of the project is April, 1st, 2008.

The salary is according to the FWF Personalkostensaetze DoktorandIn Neu: http://www.fwf.ac.at/de/projects/personalkostensaetze_2007.html

Applications with personal and scientific data, copies of relevant documents and a statement about scientific interests and achievements should be sent, preferably by email, to otmar.scherzer@uibk.ac.at.

Postal address:
Prof. Dr. Otmar Scherzer
Department of Computer Science,
University of Innsbruck,
Techniker Str. 21a
A-6020 Innsbruck, Austria.

The Austrian Academy of Sciences is an equal opportunity employer.

Subject: Two PhD-Positions at RICAM in Linz
From: Sergei Pereverzyev <sergei.pereverzyev@oeaw.ac.at>
Date: Tue, 8 Jan 2008

Two Ph.D. positions are available at the Johann Radon Institute for Computational and Applied Mathematics (RICAM) of the Austrian Academy of Sciences. The successful candidates will be members of the project "DIAdvisor – personal glucose predictive Diabetes Advisor". This is a large-scale integrating project selected by European Commission for funding within in EU Seventh Research Framework Programme (FP7). Project runtime: 01.03.2008 - 01.03.2012. RICAM is a member of DIAdvisor-consortium, responsible for mathematical part of the development of a prediction based tool which uses past and easily available information to optimize the therapy of diabetes. Glucose prediction is difficult and requires advanced mathematics within the fields of identification theory, optimization, statistical learning theory. The ideal candidate has a Master degree in Mathematics, Computer Science, or Information Engineering with courses successfully achieved in numerical analysis and experience in Matlab/Simulink.

Applications must include a letter of motivation, a CV, the listing of at least two referees, and, if possible, a pdf-file of the master thesis.

Applications and inquires should be send by e-mail to Prof. Dr. Sergei Pereverzyev (sergei.pereverzyev@oeaw.ac.at) who is a person in charge of "DIAdvisor".

Submitted by: Prof. Dr. Sergei V. Pereverzyev, Johann-Radon-Institute

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Subject: Inverse Problems' Imaging Special Section now online
From: Kate Watt <Kate.Watt@iop.org>
Date: Tue, 15 Jan 2008 08:44:04 -0500

Subject: Inverse Problems' Photo- and Thermo-Acoustic Imaging Special
Section now online

Inverse Problems is pleased to announce that its latest special
section, on Photo- and Thermo-Acoustic Imaging, was published in the
December 2007 issue and can be found at:

http://herald.iop.org/IPspecialsectiontomoNADigest/m55/cid//link/1262

Bringing together theoretical and experimental articles, the section
presents a fascinating insight into photo- and thermo-acoustic imaging
and was guest edited by Professor Sarah Patch and Professor Otmar
Scherzer. We are pleased to make the Guest Editors' introduction and
the articles by Cox et al and Kunyanksy featured articles on the
journal homepage; to read them for free, visit:

http://herald.iop.org/IPfeaturedspecialtomoIPNet/m55/cid//link/1165

We hope you enjoy reading these articles as much as we have.

Kate Watt
Publisher, Inverse Problems
ip@iop.org

Subject: Table of Contents - Inverse Problems in Science and Engineering
From: Zoë Sternberg <Zoe.Sternberg@tandf.co.uk>
Date: Thu, 17 Jan 2008

Inverse Problems in Science and Engineering   2007   Vol. 15, No. 8
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Identification strategy for orthotropic knitted elastomeric fabrics
underlarge biaxial deformations   S. Drapier, I. Gaied

Guaranteed characterization of thermal conductivity and diffusivity in
presence of model uncertainty
I. Braems, N. Ramdani, M. Kieffer, L. Jaulin, E. Walter, Y. Candau

This issue is also available online at http://www.informaworld.com

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Inverse Problems in Science and Engineering   2008   Vol. 16, No. 1
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Special Issue-IPSE/5ICIPE

Filter solutions for the nonlinear inverse heat conduction problem
James V. Beck

A simple 1D sensor model to account for deterministic thermocouple
errors(bias) in the solution of the inverse heat conduction problem
KA Woodbury; A. Gupta

Solving inverse heat conduction problems using trained POD-RBF network
inverse method   Z. Ostrowski; R. A. Bialecki; A. J. Kassab

Initial temperature reconstruction for nonlinear heat equation:
application to a coupled radiative-conductive heat transfer problem
S. S. Pereverzyev; R. Pinnau; N. Siedow

A simple method for stable identification of diffusion coefficients in
the quasi-steady state of a post-discharge nitriding process
A. Fraguela; J. A. Gómez; F. Castillo; J. Oseguera

A PDE-based inverse solver for diffusion tomography using multiple
continuous wave sources   T. R. Lucas

Special Issue: Proceedings of the 5th International Conference on
Inverse Problems in Engineering: Theory and Practice, Cambridge, UK,
July 11-15, 2005

This issue is also available online at http://www.informaworld.com

Submitted by: Zoë Sternberg, Publishing Editor, Applied Science
Journals, Taylor & Francis
4 Park Square, Milton Park, Abingdon, OX14 4RN, UK
Tel: +44 207 017 4506; Fax: +44 207 017 6714

Subject: TOC, J. Inverse and Ill-posed Problems 2007,issues 8 and 9
From: Albroscheit, Simon <Simon.Albroscheit@degruyter.com>
Date: Fri, 25 Jan 2008

Journal of Inverse and Ill-posed Problems   2007   Vol. 15 No. 8
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Regularization methods for the analysis of EXAFS spectra of chemical complexes
A. L. Ageev, M. E. Korshunov, T. Ye. Reich, T. Reich, H. Moll

An inverse problem for the non-selfadjoint matrix Sturm-Liouville equation on the half-line   G. Freiling, V. Yurko

Identification of stress corrosion cracking of SUS samples arising in electromagnetic nondestructive testing   F. Kojima, A. Ausri

Tikhonov regularization of nonlinear ill-posed equations under general source condition   Pallavi Mahale, M. Thamban Nair

On approximation of inverse problem for abstract parabolic differential equations in Banach spaces   A. Prilepko, S. Piskarev, S.-Y. Shaw

Tikhonov regularization with nondifferentiable stabilizing functionals
V. V. Vasin, M. A. Korotkii

This issue is available at: http://dx.doi.org/10.1515/JIIP

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Table of solutions and coefficients for second-order differential equations and inverse problems   Yu. E. Anikonov, N. B. Ayupova

Multidimensional inverse problem for isotropic elasticity system in a sphere   T. V. Bugueva

Identification of the hydraulic conductivities in a saltwater intrusion problem   M. El Alaoui Talibi, D. Ouazar, M. H. Tber

Inverse problems for the Black-Scholes equation and related problems
S. G. Pyatkov

This issue is available at: http://dx.doi.org/10.1515/JIIP

Subject: Contents, Inverse Problems, vol. 24, issue 1, Feb. 2008
From: Laura Smith <Laura.Smith@iop.org>
Date: Fri, 25 Jan 200

PUBLISHER'S ANNOUNCEMENT
Important changes for 2008

TOPICAL REVIEW
Electron tomography: a short overview with an emphasis on the absorption potential model for the forward problem   D Fanelli and O \"Oktem

PAPERS

Numerical solution of forward and inverse Sturm--Liouville problems
with an angular momentum singularity
Lidia Aceto, Paolo Ghelardoni and Marco Marletta

Inverse electromagnetic scattering in a two-layered medium with an
application to mine detection
Fabrice Delbary, Klaus Erhard, Rainer Kress, Roland Potthast
and Jochen Schulz

Deconvolution from Fourier-oscillating error densities under decay and
smoothness restrictions   Alexander Meister

Boundary value problems for third-order linear PDEs in time-dependent
domains   Beatrice Pelloni

Symmetric tridiagonal inverse quadratic eigenvalue problems with partial
eigendata   Zheng-Jian Bai

The enclosure method for an inverse crack problem and the
Mittag--Leffler function   Masaru Ikehata and Takashi Ohe

Sampling methods for low-frequency electromagnetic imaging
Bastian Gebauer, Martin Hanke and Christoph Schneider

A single-view imaging strategy for transient scattered fields
Ilaria Catapano, Kamal Belkebir and Jean-Michel Geffrin

How general are general source conditions?
Peter Math\'e and Bernd Hofmann

Blind image resolution enhancement based on a 2D constant modulus
algorithm   Fatih Kara and Cabir Vural

Identification of Green's functions singularities by cross correlation
of noisy signals
Claude Bardos, Josselin Garnier and George Papanicolaou

Inverse problems for the wave equation with a single coincident
source--receiver pair   Rakesh

Sequential unconstrained minimization algorithms for constrained
optimization   Charles Byrne

A Lavrent'ev-type approach to the on-line computation of Caputo
fractional derivatives   L Pandolfi

Weak and strong convergence of Krasnoselski--Mann iteration for
hierarchical fixed point problems
Yonghong Yao and Yeong-Cheng Liou

Cloaking via change of variables in electric impedance tomography
R V Kohn, H Shen, M S Vogelius and M I Weinstein

Inverse problems for the Schr\"odinger equation via Carleman
inequalities with degenerate weights
Alberto Mercado, Axel Osses and Lionel Rosier

The linear sampling method in a waveguide: a modal formulation
L Bourgeois and E Lun\'eville

The inverse three-spectral problem for a Stieltjes string and the
inverse problem with one-dimensional damping
O Boyko and V Pivovarchik

Surface impedance determination of an object located over a planar PEC
surface and its use in shape reconstruction
G\"ul Seda \"Unal, Ali Yapar and \.Ibrahim Akduman

Estimation of time-varying pollutant emission rates in a ventilated
enclosure: inversion of a reduced model obtained by experimental
application of the modal identification method
M Girault, D Maillet, F Bonthoux, B Galland, P Martin, R Braconnier
and J R Fontaine

Splines on the three-dimensional ball and their application to seismic
body wave tomography   Abel Amirbekyan and Volker Michel

{\it In situ} compressive sensing
Lawrence Carin, Dehong Liu and Bin Guo

The stationary transport problem with angularly averaged measurements
Ian Langmore

Individual articles are free for 30 days following their publication
on the web. This issue is available at:
    http://www.iop.org/EJ/toc/0266-5611/24/1

Submitted by: Laura A Smith, Production Editor
Journal of Physics A: Mathematical and Theoretical
E-mail: laura.smith@iop.org

Subject: Table of contents for Mathematics of Control, Signals, Systems
From: Jan H. van Schuppen <mcss@cwi.nl>
Date: Tue, 8 Jan 2008

Mathematics of Control, Signals, and Systems   2007   Vol. 19, No. 4
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Minimal symmetric Darlington synthesis
L. Baratchart, P. Enqvist, A. Gombani, M. Olivi

Feedback invariance of SISO infinite-dimensional systems
K. Morris, R. Rebarber

Well-posedness and regularity for an Euler-Bernoulli plate with variable
coefficients and boundary control and observation
B.-Z. Guo, Z.-X. Zhang

On stability of a class of positive linear functional difference
equations
P.H.A. Ngoc, T. Naito, J.S. Shin

The tables of contents of MCSS and the pdf files of its papers are
available from the publisher Springer at:
http://link.springer.de/link/service/journals/00498/index.htm

Information on MCSS is available also at the Editors' home pages:
www.cwi.nl/~schuppen/mcss/mcss.html
www.math.rutgers.edu/~sontag/mcss.html

Please submit new papers via the Springer website for MCSS
http://mcss.edmgr.com

Submitted by: Jan van Schuppen, Editor-in-chief,
Mathematics of Control, Signals, and Systems

Subject: Table of Contents - Linear and Multilinear Algebra
From: Zoë Sternberg <Zoe.Sternberg@tandf.co.uk>
Date: Thu, 17 Jan 2008

Linear and Multilinear Algebra   2008   Vol. 56, No. 1 & 2
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This issue is also available online at http://www.informaworld.com

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Linear and Multilinear Algebra　　2008　　Vol. 56, No. 3
　　　　　　　　　　　Table of Contents

This issue is also available online at http://www.informaworld.com

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Subject: Contents, J. Applied Functional Analysis, Vol. 3, 2008
From: "George A Anastassiou (ganastss)" <ganastss@memphis.edu>
Date:
T=ue, 22 Jan 2008 17:24:40 -0500

"Journal of Applied Functional Analysis, Volume 3, 2008 was published.
For table of contents and more please visit
　http://www.eudoxuspress.com "

THANK YOU

Sincerely Yours

George A. Anastassiou,Ph.D
Department of Mathematical Sciences
The University of Memphis,Memphis,TN 38152,USA

IPNet Digest   Volume 15, Number 02   April 11, 2008

Today's Editors:
    Patricia K. Lamm, Michigan State University
    Zhewei Dai, Alma College

Today's Topics:
    New International Society on Inverse Problems in Science & Eng.
    NSF-CBMS Conference on Radar Imaging
    Electrical Impedance Tomography (EIT) Conference
    Conf. on Biomedical Math., including Imaging and Inverse Problems
    Workshop on Inverse and Partial Information Problems
    10th Int'l Workshop on Opt.& Inverse Probs. in Electromagnetism
    Workshop on New Directions in Tomographic Image Reconstruction
    6th Int'l. Conference on Inverse Problems in Engineering
    SIAM Conference on Optimization
    Post-Doc: NASA Dryden Flight Research Center
    New Book: An Introduction to Bayesian Scientific Computing
    Online: Inverse Problems Editorial Board Highlights of 2007
    Special Issue: Linear Algebra and Its Applications
    Table of Contents: Inverse Problems
    Table of Contents: Nonlinear Analysis: Modelling and Control

Submissions for IPNet Digest:
        Mail to ipnet-digest@math.msu.edu

Information about IPNet:
        http://www.math.msu.edu/ipnet

From: IPSES <ipses@mecanica.coppe.ufrj.br>
Subject: Multidisciplinary International Society on Inverse Problems
          in Science and Engineering
Date: Tue, 11 Mar 2008

                An Invitation to Join a
      Multidisciplinary International Society on
    Inverse Problems in Science and Engineering

Dear Colleagues:

The idea of creating an international society in the general field of
inverse problems is at least a decade old. A consensus based on inputs
provided by several world-wide prominent colleagues is that the time
for the creation of such a society has now arrived. Thus, we are
creating an international society of professionals working on the
multidisciplinary aspects of inverse problems. Several national
inverse problems societies have already been created, and one
international association was recently formed specifically to serve
the mathematical inverse problems community.

The objective of this new society is to be truly multidisciplinary and
international. The proposed society should bring together researchers
and practitioners working on all aspects of inverse problems in
diverse areas, such as engineering, physics, chemistry, medicine,
mathematics, geology, meteorology, nanotechnology, finance, and
emerging fields.

One major benefit for the members of this proposed society would be an electronic subscription to the journal Inverse Problems in Science and Engineering, which shall be included in an annual membership fee of approximately fifty US Dollars. We are currently negotiating this benefit with Taylor & Francis Publishers.

In addition, a regular quarterly electronic newsletter shall be available to all members informing them of all pertinent scientific events, funding opportunities, new research trends, jobs, scholarships, etc.

The proposed international society would serve as an overall forum that will institute an international conference to be held periodically moving its location to different continents. This new international society would not interfere with the existing or possible future national, regional and disciplinary societies. All existing and possible new conferences, symposia, workshops and sessions on any aspects of the inverse problems could thus continue to be held without interruption.

If you are already a member of any national, regional or international societies dealing with inverse problems, this should not preclude you from becoming a member of this new society.

This proposed international society will be legally registered as a nonprofit organization. Bylaws of this society will be similar to the bylaws of several recognized professional societies.

You are invited to become a member of this new international society by registering (initially free of charge) on this website:

http://www.ipsesociety.org/

All discussions and voting will be performed via internet in the most democratic manner by anyone who joins the new multidisciplinary society. This internet based voting will include the name of the society, details of its proposed bylaws, and elections of the new society's initial leadership.

If you have received this message more than one time or if you want your name to be taken off this mailing list, please send your e-mail message to membership@ipsesociety.org.

George S. Dulikravich, Helcio R. B. Orlande, Marcelo J. Colaco
(on behalf of the steering committee for the new society)

From: "Aktosun, Tuncay" <aktosun@uta.edu>
Subject: NSF-CBMS Conference on Radar Imaging, May 27-May 31, 2008
Date: Thu, 14 Feb 2008

The Department of Mathematics at University of Texas at Arlington is hosting an NSF-CBMS Conference on Radar Imaging during May 27-May 31, 2008, featuring Prof. Margaret Cheney as the principal speaker. The information and an application form for the conference are available at the url:

http://omega.uta.edu/~aktosun/cbms2008

Even though the application deadline is April 1, 2008, early

applications are strongly encouraged, and we may provide an earlier
invitation decision for some completed applications. Please also
encourage your colleagues and graduate students to apply. Some support
is available to participate in this conference.

The contact person for this NSF-CBMS conference is Professor Tuncay
Aktosun (e-mail: aktosun@uta.edu).

Tuncay Aktosun
Department of Mathematics, University of Texas at Arlington,
Arlington, TX 76019-0408
phone: 817-272-1545   url: http://omega.uta.edu/~aktosun
fax: 817-272-5802   office: 461 Pickard Hall
e-mail: aktosun@uta.edu

From: EIT Conference 2008 <eit.conference.2008@Dartmouth.EDU>
Subject: EIT conference announcement
Date: Wed, 27 Feb 2008

Greetings everyone

Dear friends and colleagues

The 2008 Electrical Impedance Tomography Conference will be taking
place at Dartmouth College, in Hanover, New Hampshire, USA, June 16 to
19. We are now accepting manuscripts for review. We would like to
bring to your attention the following relevant facts about the
conference:

Organizer: Alex Hartov, Dartmouth College, USA
Co-organizer: Eung Je Woo, Kyung Hee University, Korea

Conference web site: http://engineering.dartmouth.edu/eit2008/
Conference Email: EIT2008@Dartmouth.edu

Important dates:

Deadline for initial drafts submissions: April 15 2008
Acceptance Notices for manuscripts: May 15 2008
Deadline for submitting final drafts: May 30 2008
Registration deadline: April 30 2008
Late registration deadline: June 1 2008

Information on Manuscript Preparation, travel and accommodations are
available on the conference web site. We suggest you check the site
periodically for updated information on registration and schedule.

We are seeking submissions from researchers involved in EIT in all its
forms and relating to all applications. We are hoping to interest new
participants who have not come to this conference in the past. Topics
will include: EIT Hardware, Reconstruction, Clinical Applications,
Non-Clinical Applications. Peripherally related topics will be
considered if sufficient interest is expressed by reviewers and
submitters.

The conference will consist of plenary sessions (single track).
Depending on the number of submissions, poster sessions may be
arranged as well to accommodate all accepted papers. Authors will be
notified whether their submissions will be presented or posted. All

accepted papers will be collected in an electronic document
constituting the Proceedings of the 2008 EIT Conference which will be
made available to the conference attendees in electronic form.

As has been the custom with this conference, a special issue of
Physiological Measurements will be planned, to which the conference
attendees will be invited to submit an expanded form of their
conference presentations. Additional information concerning this will
be available at the conference.

We hope to see you in Hanover in June

Alex Hartov
Associate Prefessor of Engineering
Thayer School of Engineering, Organizer EIT Conference 2008, Dartmouth
College
EIT2008@dartmouth.edu
http://engineering.dartmouth.edu/EIT2008/

From: Yair Censor <yair@math.haifa.ac.il>
Subject: Conference on Biomedical Mathematics: Promising Directions in
         Imaging, Therapy Planning and Inverse Problems.
Date: Mon, 10 Mar 2008

We are pleased to announce the forthcoming "Huangguoshu International
Interdisciplinary Conference on Biomedical Mathematics: Promising
Directions in Imaging, Therapy Planning and Inverse Problems".

The Conference will take place during November 3-9, 2008, at the
convention center of The Huangguoshu National Park of China, Guizhou,
China.

The following speakers already confirmed their participation:

Ashok Amin, Simon Arridge, Guillaume Bal, Heinz Bauschke, Adi Ben-Israel,
James Brink, Yair Censor, Bruno De Man, Tommy Elfving, Jeffrey Fessler,
Horst Hamacher, Ming Jiang, Alexander Katsevich, Alfred Louis, Atsushi
Momose, Frank Natterer, Uwe Oelfke, Franz Pfeiffer, Brian Pogue, Yi
Rao, Jorge Ripoll, John Schotland, Reinhard Schulte, Eva Sevick, George
Starkschall, Alexei Trofimov, Michael Vannier, Ge Wang, Xiaoyun Xiong,
Lei
Xing, Yangbo Ye, Yu Zou, Yantian Zhang, Zhaotian Zhang, Hongkai Zhao, Tie
Zhou, Guangying Zhu.

FOR FURTHER DETAILS PLEASE GO TO THE CONFERENCE WEBSITE AT:
http://iria.pku.edu.cn/HGS08/index.htm

OR CONTACT ANY ONE OF THE CO-CHAIRS:
Ming Jiang (chair, Peking University), <ming-jiang@pku.edu.cn>,
Yair Censor (co-chair, University of Haifa), <yair@math.haifa.ac.il>
Ge Wang (co-chair, Virginia Polytechnic Institute & State
University), <wangg@vt.edu>

Prof. Yair Censor, Dept. of Mathematics, Univ. of Haifa, Haifa 31905,
Israel.
Homepage: http://math.haifa.ac.il/censor.html

From: "Hanna Pikkarainen (RICAM)" <hpikkara@heaven.ricam.uni-linz.ac.at>

Subject: Workshop on inverse and partial information problems:
        methodology and applications
Date: Thu, 20 Mar 2008

Workshop on inverse and partial information problems: methodology and
applications

October 27-31, 2008

RICAM, Linz, Austria

Dear Colleagues,

the Johann Radon Institute for Computational and Applied Mathematics
(RICAM) of the Austrian Academy of Sciences in Linz holds a Special
semester on Stochastics with emphasis on Finance during the period
from September to December 2008. The Scientific Committee is formed by
H. Albrecher, K. Kunisch, H.K. Pikkarainen, W. Runggaldier (chairman)
and W. Schachermayer.

The goal of the Special Semester is to provide a stimulating
environment for mathematicians, quantitative economists and, in
particular, researchers in the areas of applied probability and
analysis, computational methods, and finance to jointly address
emerging challenges in the interface between stochastics and finance.

The aim is to focus on the following topics that are partly related to
research conducted at the RICAM itself:

1. Inverse and partial information problems: methodology and
applications.
2. Optimization and optimal control.
3. Computational methods with applications in finance, insurance and the
life sciences.
4. Stochastic methods in partial differential equations and applications
of deterministic and stochastic PDEs.
5. Advanced modeling in finance and insurance.

Leading experts in one or more of the above topics, talented post-docs
and doctoral students will have the opportunity to collaborate at
RICAM in an interdisciplinary atmosphere in order to gain new
perspectives and to develop novel approaches.

The web page of the special semester is
http://www.ricam.oeaw.ac.at/specsem/sef/.

The workshop in the interest of researchers in inverse problems with
title

   Workshop on inverse and partial information problems:
   methodology and applications

is held on October 27-31, 2008. The confirmed invited speakers of the
workshop are

Guillaume Bal, Columbia University, USA
H. T. Banks, North Carolina State University, USA
Liliana Borcea, Rice University, USA
Rama Cont, Columbia University, USA
Manfred Deistler, Vienna University of Technology, Austria

George Haller, Massachusetts Institute of Technology, USA
Thorsten Hohage, University of G?ttingen, Germany
Bernard A. Mair, University of Florida, USA
Peter Mathe, Weierstrass Institute for Applied Analysis and Stochastics,
Germany
Ivan Mizera, University of Alberta, Canada
Axel Munk, University of G?ttingen, Germany
Jong-Shi Pang, University of Illinois, USA
Samuli Siltanen, Tampere University of Technology, Finland

The participants have a possibility to give a oral or a poster
presentation in the workshop.

The deadline of abstracts and registration is May 31, 2008.

Sincerely,

Karl Kunisch, University of Graz & RICAM
Hanna Katriina Pikkarainen, RICAM & Helsinki University of Technology

Submitted by: Dipl.-Ing. Dr. Hanna Katriina Pikkarainen
Johann Radon Institute for Computational and Applied Mathematics,
Austrian Academy of Sciences, Altenbergerstrasse 69, A-4040 Linz
Austria

E-mail: hanna.pikkarainen@oeaw.ac.at
Tel: +43 (0)732 2468 5233
Fax: +43 (0)732 2468 5212
Mobile: +43 (0)699 8145 4038
http://www.ricam.oeaw.ac.at/people/page/pikkarainen/

From: Hartmut Brauer <hartmut.brauer@tu-ilmenau.de>
Subject: OIPE 2008 - Workshop, Ilmenau (Germany)
Date: Tue, 25 Mar 2008

Dear Colleague,

We would like to let you know that this is the Last Reminder for
papers for the 10th International Workshop on Optimization and Inverse
Problems in Electromagnetism (OIPE 2008) to be held at the Ilmenau
University of Technology, Ilmenau, Germany, on September 14-17, 2008.

The aim of the workshop is to discuss recent developments in
optimization and inverse methodologies and their applications to the
design and operation of electromagnetic devices. It is intended to
establish with the workshop an occasion where experts in
electromagnetics and other areas (e.g. engineering, mathematics,
physics, etc.), involved in research or industrial activities, can
discuss on the theoretical aspects and on the technical relevance of
optimization and inverse problems, in the general framework of the
innovation in electromagnetic methods and applications. Thus, the
workshop will offer a platform for the exchange of information and
experience of developments, trends and applications from both
industrial and theoretical view points.

Previous editions were held in Pavia/Italy (1989), Warsaw/Poland
(1992), Geneva/Switzerland (1994), Brno/Czech Republic (1996),
Jyvaskyla/Finland (1998), Torino/Italy (2000), Lodz/Poland (2002),
Grenoble/France (2004) and Sorrento/Italy (2006).

You can find the Conference website at: http://www.OIPE2008.org/

Following up the great number of requests received from many potential
authors, and taking into account that this year Easter holiday was vey
early, the OIPE 2008 Conference Organizing Committee decided to
extend the deadline for submission of digests to April 15th, 2008.

Please submit your two-page-digests as soon as possible since late
submission cannot be accepted due to the very tight reviewing
schedule.

You will find on the Workshop website http://www.OIPE2008.org/ .the
Call-for-Papers as well as a template for preparing the
digests. Please register first at this website. We remind you that
first this registration will enable you to access to the conference
management system for uploading your digest. Please notice that only
online submission is possible. Please visit the workshop website
(www.OIPE2008.org) from time to time and check for updates.

Whereas the digests will be published in the workshop proceedings
available at the workshop, a selected number of papers will be
published (after a peer reviewing procedure) in:

   * The International Journal for Computation and Mathematics in
Electrical and Electronic Engineering (COMPEL), (in issue 5, 2009)
   * International Journal of Applied Electromagnetics and Mechanics
(IJAEM), (in 2009)
   * International Journal of Bioelectromagnetism (IJBEM), (online)

We strongly encourage you to submit papers to the OIPE 2008 Workshop.

We also appreciate your cooperation in forwarding this information to
other Colleagues that might be interested in submitting a paper. If
you have any further questions, please do not hesitate to contact us.

We are looking forward to meeting you in Ilmenau (Germany) in September.

With very best wishes
Jens Haueisen
Chairman of the OIPE 2008 Workshop
Institute of Biomedical Engineering and Informatics, Dept. Computer
Science and Automation, Ilmenau University of Technology
P.O. Box 10 05 65
D-98684 Ilmenau, Germany
Phone: +49 3677 69 2860
Fax: +49 3677 69 1311
Email : info@oipe2008.org
Website: http://www.OIPE2008.org/

From: Wagner Muniz <Wagner.Muniz@manchester.ac.uk>
Subject: Workshop on New Directions in Tomographic Image
         Reconstruction, 30 June - 1 July, 2008, Manchester, UK
Date: Fri, 28 Mar 2008

Workshop: New Directions in Tomographic Image Reconstruction
30 June - 1 July, 2008
University of Manchester, UK

Tomographic image reconstruction, being a highly active research area stimulated by a number of real-life applications, naturally employs scientists with various backgrounds. This variety of applications has led to a high degree of specialisation within each niche, possibly preventing innovations to be sufficiently disseminated. This workshop aims to provide a platform for interdisciplinary exchange of ideas and techniques developed by different communities leading to the unveiling of new directions in the field and hopefully triggering future collaborations.

Our intended audience is wide, however we intend to keep a slight bias towards mathematical yet practical aspects of imaging, gathering specialists in inverse problems, numerical analysis as well as practitioners to discuss topics such as sufficiency of data, stability of reconstructions, x-ray scattering correction and inversion, algebraic reconstruction methods, and image post-processing to name a few.

The list of confirmed speakers includes:

  Simon Arridge (London, UK)
  Rolf Clackdoyle (Saint-Etienne, France)
  Bernd Fischer (Luebeck, Germany)
  Per Christian Hansen (Lyngby, Denmark)
  Ivana Jovanovic (Lausanne, Switzerland)
  Frank Natterer (Muenster, Germany)
  Sarah Patch (Wisconsin, USA)
  Vladimir Sharafutdinov (Novosibirsk, Russia)
  Robert Speller (London, UK)
  Jared Tanner (Edinburgh, UK)

Further information is available online at
http://www.mims.manchester.ac.uk/events/workshops/TIR08/

If you are interested in participating in the workshop please send an email to   wagner.muniz@manchester.ac.uk

Please note that the number of participants is limited.

Organizers: Marta Betcke, Bill Lionheart, Wagner Muniz, and Phil Withers

Submitted by: Dr. Wagner Muniz, School of Mathematics,
University of Manchester, Manchester, M13 9PL, UK
Email: Wagner.Muniz@manchester.ac.uk
Tel.: +44 (0) 161 275 5824
Fax: +44 (0) 161 306 3669
URL: http://www.maths.manchester.ac.uk/~wmuniz

From: icipe2008 <conf.icipe2008@ciril.fr>
Subject: 6th Int. Conf. on Inverse Problems in Engineering (ICIPE 2008)
Date: Sun, 6 Apr 2008

Dear Colleague,

The 6th International Conference on Inverse Problems in Engineering:
Theory and Practice (ICIPE 2008) will be held in Dourdan (Paris), France
on June 15-19, 2008.

This Symposium is the sixth of the International Conference on Inverse

Problems in Engineering: Theory and Practice (ICIPE) series, initiated in Palm Coast (USA) in 1993. Noteworthy features of all ICIPE meetings are their balanced focus on theory and applications (and, better yet, the combination of both) and a residential setting in an informal atmosphere aimed at maximizing opportunities for interactions between participants. The previous ICIPE was held in Cambridge (UK) in July 2005.

The scientific programme will comprise invited lectures by S. Arridge (UK), J. Kaipio (Finland), S. Roux (France) and M. Vogelius (USA) and about 120 contributed papers.

The regular registration fee is valid until April 15, 2008 (see the Conference website http://www.icipe2008.ciril.fr for details).

We hope that you will be interested to participate, and look forward to welcoming you in Dourdan in June.

With our best wishes,

The ICIPE 2008 organizing committee:
Denis Maillet (chairman),
Stéphane Andre, Marc Bonnet, Andrei Constantinescu, Abdellatif El Badia, Yvon Jarny.

From: "Nicole C. Jorlett" <Jorlett@siam.org>
Subject: SIAM Conference on Optimization (OP08) - Registration and Program
Date: Mon, 17 Mar 2008

Conference Name: SIAM Conference on Optimization
Location: Boston Park Plaza Hotel and Towers, Boston Massachusetts
Date: May 10-13, 2008

Invited Speakers: Etienne de Klerk, Tilburg University, Netherlands; Matthias Heinkenschloss, Rice University; Jan Modersitzki, University of Lubeck, Germany; Annick Sartenaer, Universite Notre Dame de la Paix, Belgium; Stefan Scholtes, Cambridge University, United Kingdom; Pascal Van Hentenryck, Brown University; Andreas Wächter, IBM Research; Robert Weismantel, University of Magdeburg, Germany

Registration is Now Available!

Hotel Reservation and Pre-Registration Deadline: Thursday, April 10, 2008

Registration and the program for this conference are available at: http://www.siam.org/meetings/op08/

For additional information, contact the SIAM Conference Department at meetings@siam.org.

From: "Brenner, Martin J. (DFRC-RS)" <martin.j.brenner@nasa.gov>
Subject: Post-Doc: NASA Dryden Flight Research Center
Date: Thu, 14 Feb 2008

Post-Doc: NASA Dryden Flight Research Center
Contributed by: Marty Brenner, Martin.J.Brenner@nasa.gov

Applicants to NASA Dryden Flight Research Center MUST BE U.S. CITIZENS.

The NASA Dryden Postdoctoral Program offers unique research
opportunities to highly talented individuals to engage in ongoing NASA
research programs. This is a one to three-year fellowship appointment
which is designed to advance NASA's mission objectives. Dryden Flight
Research Center is NASA's premier flight research and test
organization for the validation of high-risk, pioneering aerospace
technology, space exploration concepts, and the conduct of science
mission observations.

Located at Edwards, California, in the western Mojave Desert, Dryden
is uniquely situated to take advantage of the excellent year-round
flying weather, remote area, and visibility to test some of the
nations most exciting air vehicles.

Dryden Flight Research Center plays a vital role in advancing
technology and science through flight. Here, we demonstrate America's
leadership in aeronautics and space technology as we continue to push
the envelope to revolutionize aviation and pioneer aerospace
technology. Currently, at NASA Dryden Flight Research Center we are
seeking a highly-motivated and independent Post Doctoral Fellow. We
are interested in the following broad areas of research:

 * Nonlinear System Identification Techniques for Aeroservoelasticity
 * Health Monitoring Techniques for the Next Generation of Aircraft
 * Application of Structure Detection Methodology for Model Development
    of Advanced Aircraft from Flight Test Data
 * Adaptive Multiresolution Analysis of Aerospace Vehicle Dynamics
 * Distributed Identification and Control of Aerospace Vehicles

Please note that potential candidates must be awarded the Ph.D. (or
have defended) before we can extend a letter of offer. Salary and
benefits are highly competitive with industry standards.

If you are interested in these research topics please contact:

Marty Brenner
Structural Dynamics Group
Email: Martin.J.Brenner@nasa.gov
Phone: 661-276-3793

From: "Lorusso, Linda, Springer US" <Linda.Lorusso@springer.com>
Subject: An Introduction to Bayesian Scientific Computing
Date: Thu, 14 Feb 2008

New from Springer

An Introduction to Bayesian Scientific Computing

D. Calvetti, Case Western Reserve University, Cleveland, OH, USA
E. Somersalo, Helsinki University of Technology, Helsinki, Finland

Appropriate for undergraduate and graduate students, as well as
researchers
in various areas of mathematics and its applications -- such as biology
and
engineering -- this book provides an integrated view across numerical
linear algebra and computational statistics. While not fully
immersing the reader into statistical analysis, the text allows the

reader to get acquainted with the Bayesian approach to computational
science.

Key features include:

 * Relaxed, non-technical introduction to Bayesian inverse problems
 * Expository and accessible

2007, XIV, 202 p., Softcover
Surveys and Tutorials in Applied Mathematics, Volume 2
ISBN: 978-0-387-73393-7
$39.95

Visit springer.com/978-0-387-73393-7 for sample pages and the complete
Table of Contents.

Submitted by: Linda Lorusso, Product Manager, Mathematics, Springer,
233 Spring Street, New York, NY 10013, 212-460-1711

From: Zoe Crossman <Zoe.Crossman@iop.org>
Subject: Inverse Problems Editorial Board Highlights of 2007
Date: Mon, 31 Mar 2008

The Inverse Problems Editorial Board Highlights of 2007 are now online
and free to read until 31 December 2008:
   http://herald.iop.org/IPHighlights2007IPNet/m103/cid//link/1477

This selection of articles chosen by the Inverse Problems Editorial
Board highlights the breadth and quality of the research published in
Inverse Problems in 2007. This is intended not as a list of the 'best'
articles, but as an interesting and stimulating reading list. Articles
were selected for many reasons, some contain outstanding research and
breakthroughs, some may have an especially clear exposition and are
beautifully presented, others are instructive, containing results and
tools useful to many readers.

We hope you enjoy reading these articles as much as we have.

Kate Watt
Publisher, Inverse Problems
ip@iop.org

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467514. Registered Office: Dirac House, Temple Back, Bristol BS1 6BE
England

From: Hans Schneider <hans@math.wisc.edu>
Subject: LAA announcement of special issue
Date: Mon, 25 Feb 2008 10:07:53 -0500

LINEAR ALGEBRA AND ITS APPLICATIONS
Special Issue in honor of Shmuel Friedland

Linear Algebra and its Applications is pleased to announce a special
issue in honor of Professor Shmuel Friedland on the occasion of his
65th birthday on 24 September 2009 in recognition of his many important
and fundamental contributions to linear algebra and other
topics in mathematics.

We solicit papers for the special issue within the entire scope of LAA or the research interests of Shmuel Friedland. The deadline for submission of papers is 30 November 2008. Papers for submission will be subject to normal refereeing procedures according to the usual standards of LAA. They should be sent, preferably as pdf attachments in email, to one of the following five special editors:

Avi Berman
Department of Mathematics
Technion
Haifa 32000, Israel
berman@technion.ac.il

Christian Krattenthaler
Fakult\"at f\"ur Mathematik
Universit\"at Wien
Nordbergstra{\ss}e 15
A-1090 Vienna
AUSTRIA
Christian.Krattenthaler@univie.ac.at

Siegfried M. Rump
Institute for Reliable Computing
Hamburg University of Technology
Schwarzenbergstr. 95
21071 Hamburg
Germany
rump@tu-harburg.de

Ilya Spitkovsky
College of William and Mary
Department of Mathematics
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Williamsburg, VA 23187-8795
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ilya@math.wm.edu

Fuzhen Zhang
Farquhar College of Arts and Sciences
Nova Southeastern University
3301 College Avenue
Ft. Lauderdale-Davie, Florida 33314
USA
zhang@nova.edu

The editor-in-chief responsible for this special issue is Hans Schneider.

Submitted by: Hans Schneider, Mathematics Department, Van Vleck Hall,
University of Wisconsin, 480 Lincoln Drive, Madison, WI 53706-1313 USA
Office Phone: 608-262-1402
Math Dept Phone: 608-263-3054   Email: hans@math.wisc.edu
Math Dept Fax: 608-263-8891   http://www.math.wisc.edu/~hans

From: Laura Smith <Laura.Smith@iop.org>
Subject: Table of Contents - Inverse Problems
Date: Tue, 25 Mar 2008

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Regularization by fractional filter methods and data smoothing
E Klann and R Ramlau

Optical tomography problems at layered media
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Explicit solutions of the cubic matrix nonlinear Schr\"odinger equation
Francesco Demontis, Cornelis van der Mee

Inversion formulae for the spherical mean in odd dimensions and the
Euler--Poisson--Darboux equation   Boris Rubin

Designing arrays of Josephson junctions for specific static responses
J G Caputo, L Loukitch

A Rao--Blackwellized particle filter for magnetoencephalography
C Campi, A Pascarella, A Sorrentino, M Piana

Digital image deblurring with SOR
V N Strakhov, S V Vorontsov

Efficient computation of the Tikhonov regularization parameter by
goal-oriented adaptive discretization
Anke Griesbaum, Barbara Kaltenbacher, Boris Vexler

Weyl functions, the inverse problem and special solutions for the
system auxiliary to the nonlinear optics equation
Alexander Sakhnovich

A systematic approach to robust preconditioning for gradient-based
inverse scattering algorithms
Sven Nordebo, Andreas Fhager, Mats Gustafsson, Mikael Persson

Datadriven efficient score tests for deconvolution hypotheses
M A Langovoy

Individual articles are free for 30 days following their publication
on the web.

This issue is available at: http://www.iop.org/EJ/toc/0266-5611/24/2

Submitted by: Laura A. Smith, Production Editor, Inverse Problems

----
From: Romas Baronas <romas.baronas@mif.vu.lt>
Subject: Table of Contents, Nonlinear Analysis: Modelling and Control
Date: Sat, 8 Mar 2008

Nonlinear Analysis: Modelling and Control   2008   Vol. 13, No. 1
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Estimation of Convergence Rate in the Transfer Theorem for Maxima
A. Aksomaitis.

Asymptotic Stability, Orbital Stability of Hopf-Bifurcating Periodic
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Surface Heat Flux   Bapuji Pullepu, K. Ekambavanan, A.J. Chamkha

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On the Probabilities of Correlated Defaults: a First Passage Time
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A free on-line edition is available at:
http://www.lana.lt/journal/issues.php

For a paper submission, please refer to http://www.lana.lt/journal

Submitted by: Dr. Romas Baronas, Journal Secretary,
Nonlinear Analysis: Modelling and Control
------- end -------

IPNet Digest Volume 15, Number 03 June 3, 2008

Today's Editor:
    Patricia K. Lamm, Michigan State University
    Zhewei Dai, Alma College

Today's Topics:
    Biomed. Eng. School -- Optimiz. & Inverse Probs in Electromagnetism
    SIAM Conference on Imaging Science
    School: Advanced Integral Equation Methods in Comp. Mechanics
    RICAM PostDoc Positions, incl. Inverse Problems and Imaging
    Professorship in Quantitative Biology, Vienna
    Now Online: Special Issues/Sections of Inverse Problems
    New Website: International Journal of Tomography & Statistics
    Table of Contents: Inverse Problems
    Table of Contents: J. of Inverse and Ill-posed Problems

Submissions for IPNet Digest:
    Mail to ipnet-digest@math.msu.edu

Information about IPNet:
    http://www.math.msu.edu/ipnet

From: "Brauer Hartmut Dr. TU Ilmenau" <hartmut.brauer@tu-ilmenau.de>
Subject: OIPE 2008 - Summerschool on Biomedical Engineering
Date: Wed, 28 May 2008

Dear Colleague,

We are happy to announce that the 3rd International Summerschool on
Biomedical Engineering, organized by the Technical University Ilmenau
and the Max-Planck-Institute for Human Cognitive and Brain Sciences
Leipzig, will be held September 4-17 2008 at Weimar and Ilmenau.

This year's topic will be the reconstruction of the sources of
physiological signals with special emphasis to electromagnetic signal
of the brain and the heart. It aims at a thorough understanding of the
underlying mechanisms of source reconstruction techniques and thus
will develop a critical view on current applications and possible
future developments. Source reconstruction is the key to understanding
how the brain works on a millisecond scale and is used in areas like
cognitive research, as well as in various clinical applications.

The didactic concept of the Summer Schools includes preparation of
literature before the school actually starts, lectures, seminar work
in small groups, panel discussions, practical exercises, and
demonstrations.

The number of participants is restricted to 40 in order to provide an
optimal mentoring. Moreover, the International Summer School is
expected to facilitate the exchange of ideas on latest developments in
the field.

As a special feature of this year's summer school a high level
international conference (OIPE 2008) is included into the program.

The scientific supporting programme comprises visits at the competence
centre for virtual reality, which operates the only combination of a

CAVE with a wave field synthesis system, and at the Biomagnetic Centre of the university clinic in Jena. Here we will also visit the world known Zeiss Planetarium. The social program further includes visits at the UNESCO World Heritage sites castle Wartburg in Eisenach and "Ensemble Classical Weimar" in Weimar. Sportive events are the hike at the Thuringian Forest and the "Kickelhahnlauf".

For further information, please visit our website

http://wcms1.rz.tu-ilmenau.de/fakia/?id=6825

Looking forward to welcoming you at our Summer School,

Jens Haueisen
Thomas Knoesche

[Please consult the conference website for OIPE:

http://www.OIPE2008.org/

-Ed.]

From: Kirsten Wilden <Wilden@siam.org>
Subject: SIAM Conference on Imaging Science (IS08)
Date: Tue, 15 Apr 2008

Conference Name:
SIAM Conference on Imaging Science (IS08), being held jointly with the 2008 SIAM Annual Meeting

Location:
Town and Country Resort & Convention Center, San Diego, California

Dates:
July 7-9, 2008

Invited Speakers:

Joint Plenary Speaker
Jean-Michel Morel, ENS Cachan, France

Invited Topical Speakers
John Etgen, BP America
Jeffrey Fessler, University of Michigan, Ann Arbor
Mila Nikolova, Centre de Mathématiques et de Leurs Applications, France
Lenny Rudin, Cognitech Inc.
Lars Ulander, Swedish Defense Research Agency, Sweden
Andrew Zisserman, University of Oxford, United Kingdom

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Registration is Now Available!

Pre-Registration Deadline: June 9, 2008
Hotel Reservation Deadline: June 9, 2008

Registration and the preliminary program for this conference are available at: http://www.siam.org/meetings/is08/
++++++++++++++++++++++

For additional information, contact the SIAM Conference Department at
meetings@siam.org.

From: Marc Bonnet <bonnet@lms.polytechnique.fr>
Subject: CISM-IUTAM summer school "Advanced Integral Equation Methods
in Computational Mechanics"
Date: Mon, 14 Apr 2008

Dear Colleague,

This is a short announcement for:

CISM-IUTAM summer school "ADVANCED INTEGRAL EQUATION METHODS IN
COMPUTATIONAL MECHANICS" (CISM, Udine, Italy, July 7-11, 2008).
Coordinator: Marc Bonnet, Ecole Polytechnique, France
(bonnet@lms.polytechnique.fr)

For details, visit www.cism.it and go to
Activities --> Courses and other events --> Programme 2008

Please note that the geographical proximity of Udine to Venice, where
WCCM 2008 will be held during the previous week, will greatly
facilitate attendance by WCCM participants.

Please feel free to circulate this to colleagues and students.

Best wishes,
Marc Bonnet

6th Intl. Conf. on Inverse Problems in Engineering: Theory and Practice
(June 15-19, 2008): http://www.icipe2008.ciril.fr

Marc BONNET -- CNRS (directeur de recherche) et Ecole Polytechnique
Tel: 1-69335746 | Laboratoire de Mecanique des Solides
Fax: 1-69333026 | Ecole Polytechnique
bonnet@lms.polytechnique.fr | 91128 PALAISEAU cedex, FRANCE
http://www.lms.polytechnique.fr/users/bonnet/index.html

From: "Prof. Heinz W. Engl" <heinz.engl@univie.ac.at>
Subject: RICAM PostDoc Positions, including Inverse Problems and Imaging
Date: Fri, 16 May 2008

PostDoc Positions f/m at the
Johann Radon Institute for Computational and Applied Mathematics
(RICAM) of the Austrian Academy of Sciences, Linz, Austria

RICAM (www.ricam.oeaw.ac.at) is a well established mathematical
research institute located on the campus of the Kepler University in
Linz, Austria and has openings in the following groups:

- Mathematical Methods in Molecular and Systems Biology -- (new
working group to be established in Vienna)
- Computational Methods for Direct Field Problems -- Prof. Langer
- Inverse Problems -- Prof. Engl
- Optimization and Control -- Prof. Kunisch
- Symbolic Computation -- Prof. Schicho
- Analysis of Partial Differential Equations -- Prof. Markowich,

Prof. Schmeiser
- Mathematical Imaging -- Prof. Scherzer

Cooperation between groups is strongly encouraged.

PostDocs interested to work in one of these research areas are
encouraged to send their application with personal and scientific data
and a statement about scientific interests and achievements to the
director, Prof. Heinz W. Engl at, heinz.engl@oeaw.ac.at and the
scientific group leader per e-mail. Further information concerning the
working fields can be obtained from the group leaders:
http://www.ricam.oeaw.ac.at/research/

For all positions a doctorate in mathematics or a closely related
field is required. The working language is English. The positions are
initially for up to three years, one renewal for three more years is
possible depending on achievements.

The Austrian Academy of Sciences is an equal opportunity employer.

Submitted by:
Prof.Dr.Heinz W. Engl E-Mail: heinz.engl@univie.ac.at
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and

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Mobile Phone: +43-(0)664-5209029

From: "Prof. Heinz W. Engl" <heinz.engl@univie.ac.at>
Subject: Professorship in quantitative biology, Vienna
Date: Mon, 19 May 2008

A joint search committee of the Medical University Vienna, University
of Vienna, and the Veterinary University Vienna, invites applications
for the position of a

Professor in Quantitative / Systems Biology at the Vienna Biocenter

Through financial support from the WWTF (Vienna Science & Technology
Fund - further details at www.wwtf.ac.at), this professorship will be
established in a cooperation of major Universities in Vienna for an
initial period of 5 years, with the possibility to convert into a
tenured position after that. The aim is to exploit innovative
approaches in mathematical modelling and systems biology to uncover
fundamental principles of complex biological systems. The Professor
will be expected to interact closely with experimental groups at the
partner institutions, and with the Center of Integrative
Bioinformatics Vienna, located at the Vienna Biocenter. Potential

candidates should have a strong theoretical and mathematical
background, as well as a proven track record of successful
collaborations with experimental biologists. The Professor will be
expected to emphasize research areas of emerging importance and use
quantitative biological data to develop dynamic and predictive
mathemathical models to unravel principles and fundamental properties
of biological systems in research areas including (but not limited to)
infection biology, RNA biology, immunology, oncology, signaling and
stress response in various model systems. Interested individuals, and
in particular female scientists, are strongly encouraged to send by
e-mail or courier their CV (maximum three pages), a 3 page statement
of future research interests and a list of up to 10 relevant
publications during the past 6 years to Karl Kuchler (Chair of the
Search Committee - Medical University of Vienna, Max F. Perutz
Laboratories, Campus Vienna Biocenter, A-1030 Vienna, Austria) at
Karl.Kuchler@meduniwien.ac.at, by the deadline of June 30, 2008.

The Max F. Perutz Laboratories - www.mfpl.ac.at - at the Vienna
Biocenter are a joint venture of the University of Vienna and the
Medical University of Vienna to develop and foster excellence in
biomedical research in Austria.

Submitted by:
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From: Zoe Crossman <Zoe.Crossman@iop.org>
Subject: Now Online: Inverse Problems: statistical and computational
issues in inverse problems special section
Date: Tue, 27 May 2008

Inverse Problems is pleased to announce that its latest special
section, on statistical and computational issues in inverse problems,
is now freely available online until 22 June 2008 at:
http://herald.iop.org/IPSPE2008IPNet/m103/cid//link/1647

The section presents an overview of the current state of research in
statistical and computational issues in inverse problems and was guest
edited by L Tenorio, E Haber, W W Symes, P B Stark, D Cox and O
Ghattas.

We are pleased to make the Guest Editors' introductory article and two
articles, 'Smoothing noisy data via regularization: statistical
perspectives' by Chong Gu and 'Fast denoising of surface meshes with

intrinsic texture' by H Huang and U Ascher, featured articles on the journal homepage; to read them for free, visit:
http://herald.iop.org/IPSPE2008FeaturedIPNet/m103/cid//link/1648

We hope you enjoy reading these articles as much as we have.

Kate Watt
Publisher, Inverse Problems
ip@iop.org

From: isder_ceser <isder_ceser@yahoo.com>
Subject: International Journal of Tomography & Statistics new website
Date: Mon, 28 Apr 2008

Dear Colleagues,

Greetings from "International Journal of Tomography & Statistics (IJTS)"

International Journal of Tomography & Statistics new website is:
www.ceser.res.in/ijts.html

and for

International Journal of Ecology & Development (IJED)
www.ceser.res.in/ijed.html

International Journal of Tomography & Statistics

The main aim of the International Journal of Tomography & Statistics (IJTS) is to publish refereed, well-written original research articles, and studies that describe the latest research and sdevelopments in computerized Tomography and Statistics. The IJTS is reviewed by "Zentralblatt fur Mathematik (Berlin, Germany)" which is the best in the math reviewing world, "Mathematical Review" (American Mathematical Society) etc.

Detailed instructions on how to prepare your manuscript are available at "Instructions for Author".

http://www.isder.ceser.res.in/IJTS.html

From: Laura Smith <Laura.Smith@iop.org>
Subject: Table of Contents - Inverse Problems
Date: Fri, 23 May 2008

Inverse Problems 2008 Vol.24, No.3
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SPECIAL SECTION ON STATISTICAL AND COMPUTATIONAL ISSUES IN INVERSE PROBLEMS

Guest Editors' introduction to the special section on statistical and computational issues in inverse problems
L Tenorio, E Haber, W W Symes, P B Stark, D Cox and O Ghattas

Smoothing noisy data via regularization: statistical perspectives
Chong Gu

Fast denoising of surface meshes with intrinsic texture
H Huang and U Ascher

Nonparametric statistical inverse problems L Cavalier

Residual periodograms for choosing regularization parameters for
ill-posed problems Bert W Rust and Dianne P O'Leary

Strong robust generalized cross-validation for choosing the
regularization parameter Mark A Lukas

Computational techniques for a quantum control problem with $H1$-cost
G von Winckel and A Borz\`\i

Ill-posed medicine---an introduction to image registration
Bernd Fischer and Jan Modersitzki

Statistical inference for inverse problems
Nicolai Bissantz and Hajo Holzmann

A multilevel algorithm for inverse problems with elliptic PDE
constraints George Biros and G\"unay Dogan

Adaptive finite element methods for the solution of inverse problems in
optical tomography Wolfgang Bangerth and Amit Joshi

Resistivity imaging with controlled-source electromagnetic data: depth
and data weighting R-\'E Plessix and W A Mulder

Hypermodels in the Bayesian imaging framework
Daniela Calvetti and Erkki Somersalo

Generalizing resolution Philip B Stark

A Newton-CG method for large-scale three-dimensional elastic
full-waveform seismic inversion
I Epanomeritakis, V Ak\ccelik, O Ghattas and J Bielak

Regularized reconstruction of water surfaces from noisy gradient
information via plane-wave superposition
Finbarr O'Sullivan, Jian Huang, Kingshuk Roy Choudhury,
Guillmette Caulliez and Victor Shrira

An active-set equality constrained Newton solver with feasibility
restoration for inverse coefficient problems in elliptic variational
inequalities M Hinterm\"uller

PAPERS

Fixed-point iterations in determining the Tikhonov regularization
parameter Ferm\'\in S Viloche Baz\'an

The quasi-optimality criterion for classical inverse problems
Frank Bauer and Stefan Kindermann

Numerical solution of an inverse 2D Cauchy problem connected with the
Helmholtz equation T Wei, H H Qin and R Shi

Uniqueness in determining polyhedral sound-hard obstacles with a single

incoming wave Johannes Elschner and Masahiro Yamamoto

Imaging moving targets from scattered waves
Margaret Cheney and Brett Borden

Phase reconstruction by a multilevel iteratively regularized
Gauss-Newton method Dirk Langemann and Manfred Tasche

A semismooth Newton method for Tikhonov functionals with sparsity
constraints R Griesse and D A Lorenz

Enhancement of microwave tomography through the use of electrically
conducting enclosures Colin Gilmore and Joe LoVetri

On the Volterra integral equation relating creep and relaxation
R S Anderssen, A R Davies and F R de Hoog

The problem of polarization tomography: II Vladimir Sharafutdinov

Multi-frequency identification of defects in conducting media
A Pirani, M Ricci, R Specogna, A Tamburrino and F Trevisan

The Boussinesq equation with self-consistent sources
Hongxia Wu, Yunbo Zeng and Tianyou Fan

Electrical impedance tomography with resistor networks
Liliana Borcea, Vladimir Druskin and Fernando Guevara Vasquez

A systematic linear space approach to solving partially described
inverse eigenvalue problems Sau-Lon James Hu and Haujun Li

History matching of petroleum reservoirs using a level set technique
Oliver Dorn and Rossmary Villegas

The study of an iterative method for the reconstruction of images
corrupted by Poisson and Gaussian noise
F Benvenuto, A La Camera, C Theys, A Ferrari, H Lant\'eri and M Bertero

Source localization in ellipsoids by the best meromorphic approximation
in planar sections
Juliette Leblond, Cristina Paduret, St\'ephane Rigat and Meriem Zghal

A global uniqueness for formally determined inverse electromagnetic
obstacle scattering Hongyu Liu

An inverse adhesion problem for extracting interfacial pair potentials
for the Al(0 0 1)/3C--SiC(0 0 1) interface
Hanyue Zhao and Nanxian Chen

Restricted isometry properties and nonconvex compressive sensing
Rick Chartrand and Valentina Staneva

A direct nonlinear inversion of primary wave data reflecting from
extended, heterogeneous media Kristopher A Innanen

Inverse acoustic scattering by small-obstacle expansion of a misfit
function Marc Bonnet

Individual articles are free for 30 days following their publication
on the web.

Journal of Inverse and Ill-posed Problems 2008 Vol. 16 No. 1
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Journal of Inverse and Ill-posed Problems 2008 Vol. 16 No. 2
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This issue is available at: http://dx.doi.org/10.1515/JIIP

Submitted by: Robert Plato
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Today's Editors:

    Patricia K. Lamm, Michigan State University
    Cara D. Brooks, Rose Hulman Institute of Technology

Today's Topics:

    The Return of the IPNet
    Conference: 2009 Inverse Problems Symposium
    ASME Congress Topic: Inverse Problems & Opt. in Heat Transfer
    Conference: Electrical Impedance Tomography + Electromag. Inv. Probs.
    Conference: Scale Space & Variational Methods in Computer Vision
    Conference: Mathematical and Numerical Aspects of Waves
    Conference: Chaotic Modeling and Simulation
    SIAM Conference: Math./Computational Issues in the Geosciences
    SIAM Conference: Mathematics for Industry
    SIAM Conference: Applications of Dynamical Systems
    SIAM/ACM Conference: Geometric and Physical Modeling
    ACM/SIAM Symposium: Discrete Algorithms
    Calderon Prize: Contributions in the Field of Inverse Problems
    GREAT08 PASCAL Challenge: An Inverse Problem in Cosmology
    New Google Group: Inverse and Ill-posed Problems
    New Society: Inverse Problems in Science and Engineering
    PhD position: Electromagnetics Group, Ghent University
    Postdoctoral Position: Identification of Mathematical Models
    Research Associate: Medical Image Reconstruction
    Online: Inverse Problems Newsletter
    Online: IPIA & 6ICIPE Inverse Problems Conf. Proceedings
    Online: International Journal of Imaging
    CFP: International Journal of Tomography & Statistics
    CFP: International Journal of Mathematics and Computation
    Table of Contents: Inverse Problems
    Table of Contents: Journal of Inverse and Ill-posed Problems
    Table of Contents: Inverse Problems in Science and Engineering
    Table of Contents: Applicable Analysis, Inverse Problems Issue
    Table of Contents: Mathematics of Control, Signals, & Systems
    Table of Contents: Nonlinear Analysis, Modelling and Control

Submissions for IPNet Digest:
       Mail to ipnet-digest@math.msu.edu

Information about IPNet:
       http://www.math.msu.edu/ipnet

Subject: Return of the IPNet
From: "Lamm, Patricia" <lamm@math.msu.edu>
Date: Fri, 26 Dec 2008

As you may have noticed, the IPNet Digest has been on 'sick leave' for
several months, due to the loss of a computer server and various other
calamities.

A new IPNet server is now in place and all the usual functions of
the IPNet have been restored. At the usual website (see above), one
can again subscribe to the IPNet, make subscription changes or deletions,
and read archived issues of the IPNet Digest.

Unfortunately several of the conference announcements and job postings
submitted to the IPNet in the last few months had deadlines which
have already passed. Despite this fact, we are including such
news items below in hopes that the information will still be of use to
some. You may also want to contact the appropriate contact person to
see if passed deadlines have some flexibility to them.

Best wishes for the new year, the 16th year of the IPNet and one in
in which the Digest should appear more regularly.

-Patricia (Patti) Lamm

Subject: Inverse Problems Symposium 2009
From: jamesverebeck@comcast.net
Date: Fri, 12 Dec 2008

Inverse Problems Symposium

(This will be the 22nd in a series of conferences that have been held
at MSU and in the world including England, Brazil and France.)

Abstract submission is open for the 2009 Inverse Problems
Symposium that will be held May 31-June 2, 2009 at Michigan State
University.   We are interested in a wide range of topics in
engineering, agriculture, natural sciences, mathematics, statistics,
etc.   You are invited to submit an abstract for your oral
presentation.   A written paper is not required and the papers will
not be subject to copyright. The website is
www.inverseproblems2009.org.

The overall schedule will be:

Sunday May 31st: 3:30pm-5:30pm Kevin Dowding, Sandia National Labs
   Tutorial on Uncertainty and Sensitivity Coefficients
    Evening: Informal dinner on our own

Monday, June 1: 8:00-17:00 Oral presentations, Lunch provided
   19:00 Symposium Banquet

Tuesday, June 2: 8:00-17:00 Oral presentations, Lunch provided
   17:00 Finish

Registration will begin after the new year.

Best regards,
Kirk Dolan (Conference Chairperson) and James Beck (Honorary Chairperson)

Subject: Inverse Problems and Optimization in Heat Transfer
From: Kyle Daun <kjdaun@mecheng1.uwaterloo.ca>
Date: Wed, 3 Dec 2008

Call for Papers: Inverse Problems and Optimization in Heat Transfer

2009 ASME International Mechanical Engineering Congress and Exposition

November 13-19, 2009, Lake Buena Visa, Florida

Objective:
The 2009 ASME IMECE is a unique opportunity to expand international
cooperation, understanding, and to promote multidisciplinary research
in heat transfer. The ASME Heat Transfer Division K-20 and K-6
committees invite authors to participate in the topical area of
Inverse Problems and Optimization in Heat Transfer.

Scope:
Papers are solicited from all areas of inverse problems in heat
transfer, with a focus on inverse and optimal design of heat transfer
systems and inverse analysis of experimental data. Topics of interest
include:
 * Mathematical aspects and techniques for inverse analysis and opt.
 * Optimal design of heat transfer devices
 * Inverse multi-mode heat transfer problems
 * Boundary and initial condition reconstruction
 * Parameter estimation
 * Imaging and tomography
 * Remote sensing
 * Design of experiments

Venue:
The conference will be held at the Walt Disney World Swan and Dolphin
Resort, near Orlando, Florida.

Abstract/Deadline:
Submit your 400 word abstract to
http://www.asmeconferences.org/Congress09 by March 2nd, 2009

Session Organizers:

Keith Woodbury (K-20)
University of Alabama
woodbury@me.ua.edu

Ashley Emery (K-20)
University of Washington
emery@u.washington.edu

Kyle Daun (K-6)
University of Waterloo
kjdaun@mme.uwaterloo.ca

Matthew Jones (K-6)
Brigham Young University
mrjones@byu.edu

Kyle J. Daun, Ph. D.
Assistant Professor
Department of Mechanical and Mechatronics Engineering
University of Waterloo

Subject: EIT 2009 and EM IP Workshop
From: Bill Lionheart <bill.lionheart@manchester.ac.uk>
Date: Thu, 07 Aug 2008

10th International Conference on Biomedical Applications of Electrical
Impedance Tomography (EIT 2009)
16th-19th June 2009

combined with
Workshop on Electromagnetic Inverse Problems
15th-18th June 2009
School of Mathematics, The University of Manchester, UK

The International Steering Committee on Electrical Impedance Tomography
and the Impedance Imaging Research Centre, Korea, are pleased to
announce that the 10th International Conference on Biomedical
Applications of Electrical Impedance Tomography (EIT 2009) will take
place on 16th-19th June 2009 at the University of Manchester. As usual
the conference focuses on medical applications of Electrical Impedance
Tomography, Magnetic Induction Tomography and Magnetic Resonance
Electrical Impedance Tomography

On Thursday June 18th there will be a special session "EIT lung imaging
- on the way to a clinical use" organised by Inez Frerichs

Further details will be announced shortly.

Bill Lionheart (conference chair) Eung-je Woo (conference co-chair)
Richard Bayford (conference co-chair)

We would also like to announce that the usual Biomedical EIT meeting
will be organised in conjunction with a workshop on electromagnetic
inverse problems, which is intended to bring together specialists in the
mathematics of EIT and related inverse problems with those working not
only on medical applications but also other areas including geophysics,
process monitoring, archaeology, landmine detectiona and non-destructive
testing. We will also aim to promote collaboration with those working in
electosensing in the animal kingdom (notably weakly electric fish).

The provisional list of speakers includes Gunther Uhlmann, Habib Ammari
and Mike Nelson, and again further details will be forthcoming. Oliver
Dorn (workshop chair), Bill Lionheart (workshop cochair).

For details see http://www.maths.manchester.ac.uk/eit2009/

Subject: Conf. on Scale Space & Variational Methods in Computer Vision
From: "mariul@simula.no" <mariul@simula.no>
Date: Wed, 11 Jun 2008

```
 ****              FIRST ANNOUNCEMENT              ****
 ****         Second International Conference on   ****
 ****         Scale Space and Variational Methods  ****
 ****              in Computer Vision              ****
 ****                Voss, Norway                  ****
 ****             June 1 - June 5, 2009            ****
 ****     http://www.math.uio.no/conference/ssvm2009/  ****
 ****           email: ssvm-2009@math.uio.no       ****
```

This international conference is a result of merging the Scale Space
conferences and the Variational Level Set Methods conference and is
the second in the series. The conference attempts to bring together
two different communities with joint research interests: the one on
scale space analysis and the one on variational, geometric and level
set methods and their applications in image interpretation and
understanding. Such a conference serves several purposes:
International researchers and students may be exposed to
state-of-the-art research on mathematical, physical and computational

aspects of imaging, computer vision, graphics and inverse problems
with applications.

GENERAL CHAIR:
Xue-Cheng Tai, University of Bergen, Norway.

SCIENTIFIC COMMITTEE:
Alfred M. Bruckstein, Technion IIT, Israel
Tony F. Chan, University of California at LA, USA
Mads Nielsen, University of Copenhagen, Denmark
Stanley Osher, University of California at LA, USA
Nikos Paragios, Ecole Centrale de Paris, France
Bart M. ter Haar Romeny, Eindhoven University of Technology, Netherlands
Christoph Schnoerr, University of Heidelberg, Germany
Fiorella Sgalarri, University of Bologna, Italy
Joachim Weickert, Saarland University, Germany

CONFERENCE TOPICS:
This conference covers areas that include computer vision, image
processing and analysis, signal processing, mathematical imaging and
numerical analysis. Industrial applications related to medical imaging,
visualization, scientific computing and inverse problems are all suited
for this conference.

PROCEEDINGS
As for the first conference in the series, the proceedings will be
published in Springer's Lecture Notes in Computer Science series. All
papers will undergo a thorough refereeing process and the proceedings
will be available at the conference.

DEADLINES
Abstract submission........... 8th October 2008
Full paper submission......... 15th October 2008
Notification of acceptance.... 15th January 2009
Deadline for final paper...... 15th February 2009
Early registration............ 15th March   2009

CONFERENCE LOCATION
The conference will take place at Fleischer's Hotel in Voss, Norway.
Voss is a very beautiful town surrounded by mountains in a very quiet
and relaxing enviroment. It can be reached by train or bus, most
easily from Bergen, but also from Oslo.

MORE INFORMATION
Details on the conference proceedings, contributed lectures, and other
information about the conference, will be made available on the
conference website. Submissions for the conference will be through the
webpage. For inquiries, please use email: ssvm-2009@math.uio.no.

We look forward to seeing you in Voss, Norway, in June 2009.

ORGANIZERS
Knut-Andreas Lie, Marius Lysaker, Knut Morken and Xue-Cheng Tai

----
Subject: Waves 2009, Second Announcement and Call for Papers
From: Marc Bonnet <bonnet@lms.polytechnique.fr>
Date: Tue, 23 Sep 2008

Dear Colleagues

The 9th International Conference on Mathematical and Numerical Aspects of Waves (Waves 2009) will be held at Pau, France, organised with INRIA from 15-19 June 2009.

This conference is one of the main venues where significant advances in the analysis and computational modeling of wave phenomena and exciting new applications are presented.

Invited Speakers:

Abderrahmane Bendali (MIP, Cerfacs, France)
Houssem Haddar (Inria, France)
Jan Hesthaven (Brown University, USA)
Ralf Hiptmair (ETH Zürich, Switzerland)
Marteen de Hoop (Purdue University, USA)
Jeroen Tromp (Princeton, USA)
Luis Vega (University of the Basque Country, Spain)

We cordially invite you to submit a paper for presentation at the conference via the web site on or before January 21th, 2009, the papers taking the form of a 2 page short paper/extended abstract, to be published in the conference proceedings. For further instructions and the required latex style file, please see
https://waves-2009.bordeaux.inria.fr

We would appreciate it if you could bring this notice to the attention of relevant colleagues and students.

We hope very much to have your company at Waves 2009.

Yours sincerely,
The organizing committee

Submitted by:
Marc BONNET -- CNRS (directeur de recherche) et Ecole Polytechnique
    Tel: +33-1-69335746 | Laboratoire de Mecanique des Solides
    Fax: +33-1-69333026 | Ecole Polytechnique
    bonnet@lms.polytechnique.fr | 91128 PALAISEAU cedex, FRANCE
        http://www.lms.polytechnique.fr/users/bonnet/index.html

----
Subject: 2nd Chaotic Modeling and Simulation International Conference
From: Christos Skiadas <skiadas@chaos2009.net>
Date: Sat, 27 Sep 2008

Dear Colleague,

This is a call for Abstract/Paper submission to the forthcoming Nonlinear Conference titled:

2nd Chaotic Modeling and Simulation International Conference (CHAOS2009), Chania, Crete, Greece, June 1-5, 2009.

The forthcoming International Conference (Chaos2009) on Chaotic Modeling, Simulation and Applications will take place at the MAICh Conference Centre, Chania, Crete, Greece (June 1-5, 2009).

The general topics and the special sessions proposed for the Conference (Chaos2009) include but are not limited to:

Chaos and Nonlinear Dynamics, Stochastic Chaos, Chemical Chaos, Data
Analysis and Chaos, Hydrodynamics, Turbulence and Plasmas, Optics and
Chaos, Chaotic Oscillations and Circuits, Chaos in Climate Dynamics,
Geophysical Flows, Biology and Chaos, Neurophysiology and Chaos,
Hamiltonian Systems, Chaos in Astronomy and Astrophysics, Chaos and
Solitons, Micro- and Nano- Electro-Mechanical Systems, Neural Networks
and Chaos, Ecology and Economy.

For more information and submission details please visit the
conference website at: http://www.chaos2009.net

Kind regards

Christos H. Skiadas
Conference Chair
Data Analysis and Forecasting Laboratory
Technical University of Crete
Chania, Crete, Greece
skiadas@chaos2009.net

Subject: SIAM Conf. on Math. & Computational Issues in the Geosciences
From: "Nicole C. Jorlett" <Jorlett@siam.org>
Date: Fri, 19 Sep 2008

Conference Name: SIAM Conference on Mathematical & Computational
Issues in the Geosciences - Call for Papers Now Available!

Location: Leipziger Kubus Conference Center, Helmholtz - Centre for
Environmental Research - UFZ, Leipzig, Germany
Dates: June 15 - 18, 2009

Invited Speakers
Martin Blunt, Imperial College London, United Kingdom
Chris Farmer, Schlumberger and University of Oxford, United Kingdom
Rupert Klein, Potsdam Institute for Climate Impact Research and Free
        University of Berlin, Germany
Rosemary Knight, Stanford University, USA
Peter Lemke, University of Bremen, Germany
Barbara Romanowicz, University of California, Berkeley, USA
Joannes J. Westerink, University of Notre Dame, USA

The Call for Papers for this conference is now available. Please
visit http://www.siam.org/meetings/gs09/index.php for more
information.

Deadlines
November 14, 2008: Minisymposium proposals
December 15, 2008: Abstracts for contributed and minisymposium speakers

For additional information, contact SIAM Conference Department at
meetings@siam.org.

Subject: SIAM Conference on Mathematics for Industry
From: Kirsten Wilden <Wilden@siam.org>
Date: Mon, 8 Dec 2008

SIAM Conference on Mathematics for Industry: Challenges & Frontiers
(MI09)
CFP Deadlines

The 2009 SIAM/ACM Joint Conference on Geometric and Physical Modeling
will precede this meeting at the same location from October 5-8,
2009.

Conference Name: SIAM Conference on Mathematics for Industry:
Challenges and Frontiers (MI09)

Location: Hilton San Francisco Financial District, San Francisco, CA

Dates: October 9-11, 2009

Plenary Speakers (partial list):
Robert Almgren, Courant Institute of Math. Sciences, N. Y. University
David R. Ferguson, Access Analytics
Kenneth Fordyce, IBM Systems and Technology Group

The Call for Presentations for this conference is available at:
http://www.siam.org/meetings/mi09/

                          Deadlines
SUBMISSION DEADLINES
March 5, 2009: Minisymposium proposals
April 2, 2009: Abstracts for contributed and minisymposium speakers

PROCEEDINGS DEADLINES
See http://www.siam.org/meetings/mi09/proceedings.php for additional
information.

PRE-REGISTRATION DEADLINE
September 7, 2009

HOTEL RESERVATION DEADLINE
September 7, 2009

For additional information, contact SIAM Conference Department at
meetings@siam.org.

Subject: SIAM Conference on Applications of Dynamical Systems
From: Kirsten Wilden [Wilden@siam.org]
Sent: Thursday, July 24, 2008 2:51 PM

Conference Name: SIAM Conference on Applications of Dynamical Systems

Location: Snowbird Ski and Summer Resort, Snowbird, Utah

Dates: May 17-21, 2009

Invited Speakers:
Frank Allgöwer, Universität Stuttgart, Germany
John Bush, Massachusetts Institute of Technology
Henk Dijkstra, Utrecht University, The Netherlands
Ute Ebert, Centrum voor Wiskunde en Informatica (CWI), The Netherlands
Robert Ghrist, University of Pennsylvania
Alain Goriely, University of Arizona
Rachel Kuske, University of British Columbia, Canada

Ian Melbourne, University of Surrey, United Kingdom
Igor Mezic, University of California, Santa Barbara
Tere M. Seara, Universitat Politecnica de Catalunya, Spain

The Call for Presentations for this conference is available at:
http://www.siam.org/meetings/ds09/

Deadlines

October 14, 2008 EDT: Minisymposium proposals
November 11, 2008 EST: Abstracts for contributed and minisymposium
speakers

For additional information, contact the SIAM Conference Department at
meetings@siam.org.

CALL FOR CONTRIBUTIONS

2009 SIAM/ACM JOINT CONFERENCE ON GEOMETRIC AND PHYSICAL MODELING
incorporating the 2009 SIAM Conference on Geometric Design and the
2009 ACM Symposium on Solid and Physical Modeling

October 5-8, 2009
San Francisco, California, USA
Hilton San Francisco Financial District

Conference website: http://www.siam.org/meetings/gdspm09/

The 2009 SIAM/ACM Joint Conference on Geometric and Physical Modeling
seeks high quality, original research contributions that strive to
advance all aspects of geometric and physical modeling, and their
application in all sorts of areas. A shared objective of the SIAM GD
and ACM SPM communities is to highlight work of the highest quality on
the problems of greatest relevance to industry and science.

Submissions are welcomed on any related topics, including, but not
limited to the following:

    * Algebraic and differential geometry
    * Computational geometry and topology
    * Curves and surfaces
    * Geometric and topological representations
    * Heterogeneous models for physical objects and properties
    * Geometry generation, processing, compression, and transmission
    * Reconstruction of surfaces and solids from discrete data
    * Shape modeling, synthesis, and analysis
    * Geometric constraint solving
    * Physics-based modeling
    * Conceptual design
    * Product and assembly modeling
    * Feature modeling and recognition
    * Dimensioning and tolerancing
    * Simulation and optimization
    * Product data exchange, standards, and interoperability
    * Collaborative and distributed design

* Haptic and other user interfaces for 3D design

Applications:

        * Computer-aided design, engineering, and manufacturing
        * Robotics
        * Computer graphics, visualization, and animation
        * Virtual environments and prototypes
        * Computer vision and image processing
        * Biomedical and biochemical applications
        * Geophysical applications
        * Digital entertainment applications

SUBMISSION DEADLINES
Abstract submissions for proceedings: March 1, 2009 (required to
        expedite the review process)
Full paper submissions for proceedings: March 16, 2009
Minisymposia: May 15, 2009
Contributed talks/posters: May 15, 2009

For details on the different types of contributions and the submission
process, please refer to the conference website:
http://www.siam.org/meetings/gdspm09/

[This news item has been edited for reasons of length. Please consult
the conference website for more information.   -Ed.]

Subject: ACM-SIAM Symposium on Discrete Algorithms
From: Kirsten Wilden <Wilden@siam.org>
Date: Mon, 27 Oct 2008

Conference Name:
ACM-SIAM Symposium on Discrete Algorithms (SODA09)

Location:
New York Marriott Downtown, New York, New York

Dates:
January 4-6, 2009

Invited Speakers:
Michael I. Jordan, University of California at Berkeley
Yuval Peres, Microsoft Research
Volker Strassen, University of Konstanz, Germany

Registration is Now Available!

Pre-Registration Deadline: Monday, December 1, 2008
Hotel Reservation Deadline: Monday, December 1, 2008

Registration and the preliminary program for this conference are
available at: http://www.siam.org/meetings/da09/

For additional information, contact the SIAM Conference Department at
meetings@siam.org.

Subject: Calderon Prize in the Field of Inverse Problems

From: "Matti J. Lassas" <mjlassas@math.tkk.fi>
Date: Sat, 13 Dec 2008

The announcement of the prize:

  Calderon Prize 2009

Following its initiation in 2007, the Calderon Prize will be awarded
again in 2009, to a researcher under the age of 40 who has made
distinguished contributions to the field of inverse problems. The
Inverse Problems International Association (IPIA) will present the
award at the Applied Inverse Problems AIP 2009 Conference to be held
in Vienna, Austria, July 20-24, 2009. The award will include a
certificate, a prize of 500 USD, and an invitation to give a plenary
lecture at the conference. Expenses for accomodation during the
conference and a reimbursement towards the travel expenses to Vienna
will be provided.

All senior reseachers working on inverse problems are welcome to send
nominations for the prize winner to the Calderon prize
committee. Besides a nomination letter, please include a two page CV
of the nominee and a complete list of publications. At most two
additional supporting letters can be included. The Calderon Prize
Committee can also solicit nominations. Nominations should be sent to
Calderon Prize Committee by April 30, 2009, at the e-mail address

    calderon-prize@inverse-problems.net

Inquiries should be also be addressed to the same address.

More information related to the prize can be found at the www-page

    http://www.inverse-problems.net/calderon-prize/

Subject: GREAT08 PASCAL Challenge - an inverse problem in cosmology
From: Sarah Bridle <sarah@sarahbridle.net>
Date: Wed, 26 Nov 2008

We invite you to participate in the GRavitational lEnsing
Accuracy Testing 2008 (GREAT08) PASCAL Challenge.

The GREAT08 Challenge is an image analysis competition for
gravitational lensing and cosmology, aimed at experts in statistical
problems (non-astronomers). The competition runs until 30 April 2009.

Please find more information at the challenge website
http://www.great08challenge.info and in the challenge handbook
http://arxiv.org/abs/0802.1214 (accepted in the Annals of Applied
Statistics), the abstract of which is copied below.

-Sarah Bridle, on behalf of the GREAT08 Team

The GRavitational lEnsing Accuracy Testing 2008 (GREAT08) Challenge
focuses on a problem that is of crucial importance for future
observations in cosmology. The shapes of distant galaxies can be used
to determine the properties of dark energy and the nature of gravity,
because light from those galaxies is bent by gravity from the
intervening dark matter. The observed galaxy images appear distorted,
although only slightly, and their shapes must be precisely

disentangled from the effects of pixelisation, convolution and noise. The worldwide gravitational lensing community has made significant progress in techniques to measure these distortions via the Shear TEsting Program (STEP). Via STEP, we have run challenges within our own community, and come to recognise that this particular image analysis problem is ideally matched to experts in statistical inference, inverse problems and computational learning. Thus, in order to continue the progress seen in recent years, we are seeking an infusion of new ideas from these communities. This document details the GREAT08 Challenge for potential participants

Update on 12/23/08:

           The GREAT08 mid-Challenge Workshop
             2pm (GMT) Monday 5th January

E7, Dept of Physics and Astronomy, University College London
or by video/teleconference

    1pm   Lunch / testing the videoconference connections
    2pm   Introduction to the GREAT08 Challenge for newcomers
    2.30pm Feedback/questions/comments from GREAT08 participants
    3pm   Coffee break
    3.30pm The future of GREAT08
    4pm   GREAT09

Please email questions at great08challenge.info for videoconference connection details and/or directions to UCL, or to volunteer a contribution.

Submitted by: Sarah Bridle, Reader in the Department of Physics and Astronomy,
University College London
www.sarahbridle.net

Subject: Inverse and Ill-posed Problems Google Group
Mon, 4 Aug 2008 13:41:35

Dear colleague,

I'd like to invite you to public(open) discussion of Inverse and Ill-posed problems at google groups

   http://groups.google.com/group/inverse-and-ill- posed-problems

It includes people from academia and industry and delivers fresh information on latest trends, innovations and events in domain of inverse and ill-posed problems.

You can ask questions and exchange opinions on all range of topics, covering full spectre of available specialists in the area. This also allows you to polish your ideas, before presenting it to target audience.

best regards,
Khazret Sapenov

Here is the group's description:

Conversation is encouraged and expected. However, moderation of comments
is
necessary to prevent spam, personal attacks, profanity and off-topic
commentary. To join the group and be able to post messages, write to
join.
inverse.problems@gmail.com

Subject: Multidisciplinary Int'l Soc. for Inverse Problems in Science and
Engineering
From: IPSES <ipses@mecanica.coppe.ufrj.br>
Date: Fri, 25 Jul 2008

        Second Invitation to Join a
Multidisciplinary International Society for
Inverse Problems in Science and Engineering

Dear Colleagues:

If you have an interest in the general field of inverse problems and
have not already joined this professional society, please join now by
registering your membership on this website:

http://www.IPSESociety.org

This is the second and last general invitation to register as a member
of this professional society because only registered members will be
able to vote on the final name of the society, its bylaws, officers,
annual membership dues/subscription to our journal, meetings, etc.
You can register at any time, but this voting will start on July 28,
2008 and it will be available to registered members only until August
5, 2008.`

The idea of creating an international society in the general field of
inverse problems is at least a decade old. A consensus based on inputs
provided by several prominent colleagues is that the time for the
creation of such a society has arrived. Thus, we have created an
international society of professionals working on the
multidisciplinary aspects of inverse problems. Several national
inverse problems societies have already been created, and one
international association was recently formed specifically to serve
the mathematical inverse problems community.

The objective of this new society is to be truly multidisciplinary and
international. This society should bring together researchers and
practitioners working on all aspects of inverse problems in diverse
areas, such as engineering, physics, chemistry, medicine, biology,
mathematics, geology, meteorology, nanotechnology, finance, and
emerging fields.

One major benefit for the members of this society will be an
electronic subscription to the journal Inverse Problems in Science and
Engineering (IPSE). The annual subscription will be fully covered by
an annual membership fee of approximately fifty US dollars. In
addition, a regular quarterly electronic newsletter will be available
to all members informing them of all pertinent scientific events,
funding opportunities, new research trends, jobs, scholarships, etc.

This multidisciplinary international society serves as an overall
forum that will institute an international conference to be held

periodically moving its location to different continents. This international society will not interfere with the existing or possible future national, regional and disciplinary societies. All existing and possible new conferences, symposia and workshops on any aspects of the inverse problems could thus continue to be held without interruption.

If you are already a member of any national, regional or international societies dealing with inverse problems, this should not preclude you from becoming a member of this new society.

This international society will be legally registered as a nonprofit organization. Bylaws of this society will be similar to the bylaws of several recognized professional societies.

All discussions and voting will be performed via internet in the most democratic manner by anyone who joins this multidisciplinary society. This internet based voting will include the name of the society, details of its proposed bylaws, and nominations and elections of the society's initial leadership. The voting on these issues will be conducted this July.

If you have received this message more than one time or if you want your name to be taken off this mailing list, please send your e-mail message to membership@ipsesociety.org.

George S. Dulikravich, Helcio R. B. Orlande, Marcelo J. Colaco
(on behalf of the steering committee for the new society)

Subject: PhD position in Electromagnetics Group, Ghent University
From: Ann Franchois <Ann.Franchois@ugent.be>
Date: Thu, 18 Sep 2008

Ph.D. position (4 years) at Electromagnetics Group, Ghent University, Ghent, Belgium.

Topic: Scattering-type scanning near-field mm-wave microscope

Millimeter- waves (30GHz – 300GHz) provide unique opportunities for the development of novel applications in active near-field imaging of microscopic objects: there are plenty of situations where microscopic objects cannot be visualized with the more classic intervals (visible, UV, Infra Red), when they are covered with a material that is non penetrable in these intervals, while it is transparent to mm-waves.

The Electromagnetics (EM) Group of the Department of Information Technology at Ghent University, Belgium, is involved in a research project which aims at developing a near-field mm-wave microscope attaining super resolution. This project comprises the design and modeling of advanced micro-probes, research into original modulation techniques and the development of inverse scattering imaging techniques. The EM Group is responsible for developing the numerical electromagnetic models and image reconstruction techniques, topics in which the Group has an internationally recognized expertise, in close interaction with the hardware development research partner.

In this framework a fully paid 4 year Ph.D. position is being offered. Candidates should have a background in applied physics or electrical engineering, be interested in computational electromagnetics and imaging and demonstrate or develop programming skills.

If you are interested in this position please send your detailed
curriculum vitae electronically to:

Ann Franchois
Electromagnetics Group
Department of Information Technology
Ghent University
Sint-Pietersnieuwstraat, 41
B-9000, Gent, Belgium
email: ann.franchois@intec.ugent.be
tel.: +32-3-775 69 66
URL: http://emweb.intec.ugent.be/welcome.html

Subject: Open postdoctoral position
From: Rainer Kress <kress@math.uni-goettingen.de>
Date: Mon, 02 Sep 2008

Open postdoctoral position

The Faculty of Mathematics at the University of Göttingen in 2004 has
established a PhD program on Identification in Mathematical Models:
Synergy of Stochastic and Numerical Methods.

This research training group (Graduiertenkolleg) is supported by the
Deutsche
Forschungsgemeinschaft (DFG). From January 1st, 2009, a two-year
postdoctorial research position is available, subject to the final
approval of the
extension of the PhD programm by the Deutsche Forschungsgemeinschaft.

The research program includes statistical inverse problems in imaging and
in
biometrics, kernel based and robust identification methods and
identification
problems in partial differential equations. The topics cover a broad
range
connecting theoretical mathematical problems, application relevant
problems
from numerical analysis and statistics, and interdisciplinary projects in
collaboration with members of other sciences. Further information on the
research and teaching program and, in particular, on the participating
research groups can be found on http://www.num.math.uni-goettingen.de/gk

The University of Göttingen is aiming at increasing the portion of women
among the young researchers.

Application should be send before October 31st, 2008, to the director of
the program,
Prof. Dr. Rainer Kress
Institut für Numerische und Angewandte Mathematik
Georg-August-Universität Göttingen
Lotzestr. 16-18, 37083 Göttingen.

In addition to the curriculum vitae, copies of relevant academic
transcripts
or university degrees and two letters of recommendation, the applications
should contain specifications on the intended direction of research
within

the PhD program and preferences for one of the research groups.

Subject: Research Associate in Medical Image Reconstruction
From: Simon ARRIDGE <S.Arridge@cs.ucl.ac.uk>
Date: Thu, 18 Dec 2008

UCL DEPARTMENT OF COMPUTER SCIENCE
UCL CENTRE FOR MEDICAL IMAGE COMPUTING

Research Associate in Medical Image Reconstruction

Inverse Problems in Medical Imaging

The Vision and Imaging Sciences group has a position for an
outstanding post-doctoral researcher in the appccessful applicant will
work as part of a team within the broader TOAST project
(http://web4.cs.ucl.ac.uk/research/vis/toast/).

The position will involve the development of mathematical and
computational tools and will require strong mathematics background and
ability in programming in C/C++/Java or other high level
languages. Experience of programming in Matlab will be an
advantage. The ideal candidate will have experience in developing
efficient optimisation algorithms for large-scale non-linear inverse
problems such as occur in tomography or machine vision. Experience in
one or more of the following would be an advantage : developing shape
and image based statistical models, shape based reconstruction,
Bayesian methods, regularisation, level sets, deformable models,
pattern recognition methods for image segmentation, posterior
sampling.

Applicants must have, or expect to obtain, a PhD in a relevant
discipline. Starting salary will be between £31,620 and £38,250
p.a. including London Allowance. The position is initially funded
until 31 October 2010.

Further details can be found at http://www.cs.ucl.ac.uk/vacancies.
Applications should include a statement of intended research strategy
and aims. Informal enquires are welcome to Professor Simon Arridge
S.Arridge@cs.ucl.ac.uk

The closing date for applications is Friday, 6th February 2009

    http://www.cs.ucl.ac.uk/vacancies/ramir-ad.htm

UCL -- Taking Action for Equality

Submitted by:
Simon R. Arridge,PhD.,F.InstP.   University College London (UCL)
Professor of Image Processing   Department of Computer Science
Tel. +44-(0)20-7679-2000 (ext 33714) Room No. 5.04
Tel. +44-(0)20-7679-3714 (direct)   Malet Street Engineering Building
Fax +44-(0)20-7387-1397   London WC1E 6BT
E-mail: S.Arridge@cs.ucl.ac.uk   United Kingdom
WWW home page - http://www.cs.ucl.ac.uk/staff/S.Arridge

Subject: Inverse Problems 2008 Newsletter
From: Kate Watt <Kate.Watt@iop.org>

Date: Thu, 9 Oct 2008

Subject: Inverse Problems 2008 Newsletter

Text: Inverse Problems has enjoyed many exciting developments
recently, including the publication of Special Sections, Topical Reviews
and the 2007 Editorial Board Highlights, as well as achieving an
impressive increase in impact factor. We also have some interesting
plans to look forward to, including the increase to monthly publication
in 2009 which coincides with the journal's 25th year of publication!

To find out more about all of the journal's developments, read our
online newsletter here:
http://herald.iop.org/IPNewsletter2008IPNet/m128/cid//link/2025

Kate Watt
Publisher
Inverse Problems

Subject: Now online: open access inverse problems conference proceedings
From: Zoe Crossman <Zoe.Crossman@iop.org>
Date: Mon, 1 Dec 2008

Journal of Physics: Conference Series is pleased to announce the
publication of two inverse problems conference proceedings (both
available for free permanently):

First International Congress of the International Association of
Inverse Problems (IPIA): Applied Inverse Problems 2007: Theoretical
and Computational Aspects

To read the papers in the IPIA proceedings for free, visit this link:
    http://herald.iop.org/IPIAVolumeIPNet/m178/cid//link/2194

6th International Conference on Inverse Problems in Engineering:
Theory and Practice (6ICIPE)

To read the papers in the ICIPE proceedings for free, visit this link:
    http://herald.iop.org/ICIPEVolumeIPNet/m178/cid//link/2195

I hope that you will find both proceedings stimulating and useful.

Graham Douglas
Journal of Physics: Conference Series
IOP Publishing Limited Registered in England under Registration No
467514. Registered Office: Dirac House, Temple Back, Bristol BS1 6BE
England

Subject: Announcement for New Online Journal: International Journal of
Imaging
From: "Int. J. Tomogr. Stat." <tanujfma@yahoo.com>
Date: Fri, 20 Jun 2008 00:20:24 -0400

Announcement for New Online Journal from Autumn 2008.

1. International Journal of Imaging (IJI)   (ISSN 0974-0627)
    http://www.ceser.res.in/iji.html

Aims and Scope

The main aim of the International Journal of Imaging (ISSN 0974-0627) is to publish refereed, well-written original research articles, and studies that describe the latest research and developments in the area of imaging. This is a broad-based journal covering all branches of imaging and interdisciplinary research e.g mathematics. International Journal of Imaging (IJI) is a peer-reviewed online journal and is published in Spring and Autumn i.e. two times a year by Indian Society for Development and Environment Research (ISDER).

2. International Journal of Artificial Intelligence   (ISSN 0974-0635)
     http://www.ceser.res.in/ijai.html

Aims and Scope

The main aim of the International Journal of Artificial Intelligence (ISSN 0974-0635) is to publish refereed, well-written original research articles, and studies that describe the latest research and developments in the area of Artificial Intelligence. This is a broad-based journal covering all branches of Artificial Intelligence and interdisciplinary research e.g. mathematics. International Journal of Artificial Intelligence (IJAI) is a peer-reviewed online journal and in Spring and Autumn i.e. two times a year by Indian Society for Development and Environment Research (ISDER).

-Tanuja Srivastava, Editor-in-Chief
  International Journal of Artificial Intelligence
  International Journal of Imaging
  Department of Mathematics, Indian Institute of Technology,
  Roorkee-247667, INDIA.   email: tanujfma@yahoo.com

International Journal of Tomography & Statistics
http://www.ceser.res.in/ijts.html

CALL FOR PAPERS

Dear Colleague,

The International Journal of Tomography & Statistics (IJTS) welcome submissions of manuscripts. The IJTS is to publish refereed, well-written original research articles, and studies that describe the latest research and developments. It also covers the many potential applications and connections to other areas of Science and technology. The areas of interest include but are not limited to:

Image processing & reconstructions,
Computerized Tomography,
Statistical Imaging & Tomography,
Signal Processing
Magnetic Resonance Imaging (MRI) & Magnetic Resonance Tomography (MRT),
Positron Emission Tomography (PET),
Inverse Problem & Imaging,
Reconstruction, Restoration, and Enhancement,

Image Understanding, Tracking, Segmentation and Classification,
Face Recognition and Facial Expression Analysis,
Human-Machine Interfaces,
Image Acquisition and Calibration,
Pattern Analysis and Recognition,
Virtual Reality and Augmented Reality,
Feature Extraction and Detection,
Neural Networks,
Speech Processing,
Telecommunication,
Filters, Algorithms, Video Coding and Watermarking,
Video Processing and Analysis,
Data Modelling and Visualization
Telecommunication
Geographic Information Systems (GIS) & Geophysical Diffraction Tomography
(GDT),
Modelling, Simulation and Control,
Seismology,
Bio-Medicine,
Artificial Intelligence,
Geographic Information Systems (GIS) & Geophysical Diffraction Tomography
(GDT),
Education, Databases & Knowledge Engineering,
Internet and Applications,
Parallel and Distributed Computing and
Inter-disciplinary nature of applications.

Manuscripts can also be sent via e-mail to the Executive
Editor. Detailed instructions on how to prepare your manuscript are
available at "Author Instructions".

with regards
Executive Editor
International Journal of Tomography & Statistics
http://www.ceser.res.in/ijts.html

Subject: CFP: International Journal of Mathematics and Computation
From: "Int. J. Tomogr. Stat." <tanujfma@yahoo.com>
Date: Fri, 19 Sep 2008

International Journal of Mathematics and Computation (IJMC).
ISSN 0974-570X (Online); ISSN 0974-5718 (Print)
http://ceser.res.in/ijmc.html

Call for Papers

Papers are invited for the International Journal of Mathematics and
Computation (IJMC). The IJMC is a peer-reviewed journal, published two
times in a year. The IJMC publishes refereed, well-written original
research articles, and studies that describe the latest research and
developments in the area of mathematics and computations. This is a
broad-based journal covering all branches of mathematics and
computations. It's also published interdisciplinary research.

The International Journal of Mathematics & Computation (IJMC) is
reviewed, abstracted and indexed by the Zentralblatt MATH
(Zentralblatt für Mathematik).

Manuscripts can also be sent to the publisher via e-mail to

Editor-in-Chief. Detailed instructions on how to prepare your
manuscript are available at Author Instructions
http://ceser.res.in/ijmc.html.

Subject: Contents list for Inverse Problems, Vol 24:4-6 & Vol 25:1
From: Laura Smith [Laura.Smith@iop.org]
Date: Thu, 18 Dec 2008

Inverse Problems   August 2008   Volume 24, Issue 4
                      Table of Contents

Wide-band pulse-echo imaging with distributed apertures in multi-path environments   T Varslot, B Yazici and M Cheney

Solving inhomogeneous inverse problems by topological derivative methods
A Carpio and M-L Rap\'un

Patient-adapted reconstruction and acquisition dynamic imaging method (PARADIGM) for MRI   Nitin Aggarwal and Yoram Bresler

Darboux transformations of lower degree for two-dimensional $C^{(1)}$$_{l}$ and $D$$^{(2)}$$_{l+1}$ Toda equations   Zi-Xiang Zhou

Inverse problems related to a coupled system of microstructure
J Janno and J Engelbrecht

A statistical minimax approach to the Hausdorff moment problem
Thanh Mai Pham Ngoc

A unified approach to various techniques for the non-uniqueness of the inverse gravimetric problem and wavelet-based methods
V Michel and A S Fokas

Locating radiating sources for Maxwell's equations using the approximate inverse   A Lakhal and A K Louis

Individual articles are free for 30 days following their publication on the web. This issue is available at:
http://www.iop.org/EJ/toc/0266-5611/24/4

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Inverse Problems   October 2008   Volume 24, Issue 5
                    Table of Contents

Coherent interferometric imaging for synthetic aperture radar in the presence of noise   Josselin Garnier and Knut S{\o}lna

Quadratic optimization in ill-posed problems
F Ben Belgacem and S-M Kaber

Error estimates for the Lavrentiev regularization of elliptic optimal control problems   S Cherednichenko, K Krumbiegel and A R\"osch

An inverse solution for torque-free axisymmetric rigid body dynamics, with a test for non-precessional motion   M B Lohr

The convergence of a new heuristic parameter selection criterion for general regularization methods   Andreas Neubauer

Reconstruction and time reversal in thermoacoustic tomography in acoustically homogeneous and inhomogeneous media
Yulia Hristova, Peter Kuchment and Linh Nguyen

The nodal sets of the eigenfunctions of a nonhomogeneous square membrane   Chao-Liang Shen

An iterative regularization method for the solution of the split feasibility problem in Banach spaces
F Sch\"opfer, T Schuster and A K Louis

Individual articles are free for 30 days following their publication
on the web. This issue is available at:
http://www.iop.org/EJ/toc/0266-5611/24/5

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Inverse Problems   December 2008   Volume 24, Issue 6
                      Table of Contents

Individual articles are free for 30 days following their publication
on the web. This issue is available at:
http://www.iop.org/EJ/toc/0266-5611/24/6

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Inverse Problems' 25th year of publication
William W Symes (Editor-in-Chief)

Reflectance optical tomography in epithelial tissues
Pedro Gonz\'alez-Rodr\' \i guez and Arnold D Kim

A scaled gradient projection method for constrained image deblurring
S Bonettini, R Zanella and L Zanni

State estimation in quantum homodyne tomography with noisy data
Jean-Marie Aubry, Cristina Butucea and Katia Meziani

Uniqueness for the determination of unknown boundary and impedance
with the homogeneous Robin condition   Valeria Bacchelli

A forward--backward splitting algorithm for the minimization of
non-smooth convex functionals in Banach space   Kristian Bredies

Dual filtered backprojection for micro-rotation confocal microscopy
Danai Laksameethanasan, Sami S Brandt, Olivier Renaud and
Spencer L Shorte

The discrete hungry Lotka--Volterra system and a new algorithm for
computing matrix eigenvalues
Akiko Fukuda, Emiko Ishiwata, Masashi Iwasaki and Yoshimasa Nakamura

MUSIC electromagnetic imaging with enhanced resolution for small
inclusions
Xudong Chen and Yu Zhong

A multi-resolution technique based on shape optimization for the
reconstruction of homogeneous dielectric objects
M Benedetti, D Lesselier, M Lambert and A Massa

A PDE-constrained SQP algorithm for optical tomography based on the
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