Date: February 1, 2015 at 5:29:45 PM PST

Reply-To: <ipnet-digest@MTH.MSU.EDU>

From: "Inverse Problems Network (IPNet)" <ipnet@math.msu.edu>

Subject: Inverse Problems: Volume 22, Number 02

To: <IPNET@list.msu.edu>

IPNet Digest Volume 22, Number 02 February 1, 2015

Today's Editor: Patricia (Patti) K. Lamm, Michigan State University

Today's Topics:

Workshop: Recent Developments in Inverse Problems, Weierstrass Institute

Cluster Hiring: Faculty Openings in Integrated Imaging

Associate Professorship: Applied Mathematics, Medical Image Processing

Table of Contents: Inverse Problems

Table of Contents: Journal 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

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From: Guanghui Hu <hu@wias-berlin.de>

Subject: Workshop on Recent Developments in Inverse Problems, Weierstrass Institute,

Berlin, September 17-18, 2015.

Date: January 6, 2015 at 10:04:56 AM PST

Recent Developments in Inverse Problems, Weierstrass Institute, Berlin, September 17-18, 2015.

Our workshop will bring together experts from the German and international 'Inverse Problems Community' and young scientists. The focus will be on ill-posedness phenomena, regularization theory and practice, and on the analytical, numerical and stochastic treatment of applied inverse problems from natural sciences, engineering and finance. This is the continuation of the 'Chemnitz Symposium on Inverse Problems' in 2015 (Chemnitz Symposium on Tour). The previous three symposia were held in Chemnitz (2014), Shanghai (2013) and Canberra (2012).

The registration form will be available in January 2015. We are now looking for contributed talks. The deadline for submitting abstracts will be April 30, 2015. The confirmation of contributed talks will be notified before May 31, 2015. More details can be found at the workshop homepage:

http://www.wias-berlin.de/workshops/IPworkshop/

We look forward to seeing you in Berlin!

Submitted by: Dr. Guanghui Hu

Research Group "Nonlinear Optimization and Inverse Problems"

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From: "Stefanov, Plamen D" <stefanop@purdue.edu>

Subject: cluster hiring at Purdue

Date: January 27, 2015

Purdue University College of Engineering and College of Science Faculty Openings in Integrated Imaging

https://engineering.purdue.edu/Engr/InfoFor/Employment/JobDescriptions/62/Integrated% 20Imaging%20Position%20Description\_revised\_9\_28\_12.pdf

Submitted by:
Plamen Stefanov
Department of Mathematics
Purdue University
West Lafayette, IN 47907

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From: Jan Modersitzki <jan.modersitzki@mic.uni-luebeck.de>

Subject: W2 applied mathematics at Lübeck, opening

Date: January 19, 2015

Dear colleague,

The Institute of Mathematics and Image Computing at the University of Lübeck has an opening for an associate professorship position (W2) in applied mathematics; for a formal description (in German) see

http://www.uni-luebeck.de/fileadmin/uzl\_sekmint/Ausschreibung-W2-Angew.\_Mathematik.pdf

The Institute of Mathematics and Image Computing is bridging the Stiftungsuniversität zu Lübeck and Fraunhofer MEVIS, part of the Fraunhofer-Gesellschaft, which is Europe's biggest organization of applied research. Therefore, applicants are expected to have achieved outstanding accomplishments in research at international level in a relevant field of applied mathematics with a strong affinity to biomedical applications. Preference will be given to candidates with expertise in the disciplines of partial differential equations, optimization or image processing. Experience in acquiring industrial and external funds as well as a strong interest in mathematical problems related to medical image processing are beneficial.

Candidates are expected to lecture; a requirement is the ability to teach in German

after no more than three years of tenure.

I would appreciate if you would pass on this information to potential candidates.

Kind regards,
Prof. Dr. Jan Modersitzki
Director
Universität zu Lübeck
Institute of Mathematics and Image Computing
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From: <noreply@iopscience.org>

Subject: Inverse Problems, Volume 31, Number 1, January 2015

Date: January 6, 2015 at 7:19:27 AM PST

Inverse Problems January 2015 Volume 31, Number 1

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Editorial

Publisher's announcement Chris Wileman

## Papers:

Joint reconstruction of PET-MRI by exploiting structural similarity Matthias J Ehrhardt, Kris Thielemans, Luis Pizarro, David Atkinson, Sébastien Ourselin, Brian F Hutton, and Simon R Arridge

Cancellation of singularities for synthetic aperture radar Peter Caday

Corners and edges always scatter Johannes Elschner, and Guanghui Hu

Identification results for inverse source problems in unsteady Stokes flows Nuno F M Martins

Inverse problems for stochastic transport equations Dan Crisan, Yoshiki Otobe, and Szymon Peszat

Inversion formulas for cone transforms arising in application of Compton cameras Chang-Yeol Jung, and Sunghwan Moon

A convergence rates result for an iteratively regularized Gauss-Newton-Halley method in Banach space B Kaltenbacher Lipschitz stability for the inverse conductivity problem for a conformal class of anisotropic conductivities  ${\sf conformal}$ 

Romina Gaburro, and Eva Sincich

Fast Kalman filter using hierarchical matrices and a low-rank perturbative approach Arvind K Saibaba, Eric L Miller, and Peter K Kitanidis

http://iopscience.iop.org/0266-5611/31/1/email-alert/1142178116

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From: <noreply@degruyter.com>

Subject: Table of Contents: 'Journal of Inverse and Ill-posed Problems'

Date: February 1, 2015 at 2:17:57 PM PST

Journal of Inverse and Ill-posed Problems February 2015 Volume 23, Issue 1
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Inverse problems for linear degenerate parabolic equations by "time-like" Carleman estimate

Kawamoto, Atsushi

Spectral problems and scattering on noncompact star-shaped graphs containing finite rays

Mochizuki, Kiyoshi / Trooshin, Igor

Stability estimates for Burgers-type equations backward in time Hào, Dinh Nho / Duc, Nguyen Van / Thang, Nguyen Van

A Hölder-logarithmic stability estimate for an inverse problem in two dimensions Santacesaria, Matteo

On convergence rates for iteratively regularized Newton-type methods under a Lipschitz-type nonlinearity condition Werner, Frank

Identification of an unknown spatial load distribution in a vibrating cantilevered beam from final overdetermination

Hasanov, Alemdar / Baysal, Onur

http://www.degruyter.com/view/j/jiip.2015.23.issue-1/issue-files/jiip.2015.23.issue-1.
xml

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