

From: "Inverse Problems Network (IPNet)" <ipnet@math.msu.edu>
Subject: IPNet Digest: Volume 22, Number 07
Date: July 31, 2015 at 4:11:02 PM EDT
To: <ipnet@list.msu.edu>

IPNet Digest Volume 22, Number 07 July 31, 2015

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

Today's Topics:

Conference: SIAM Conference on Imaging Science (IS16)
PhD Position: Time-Space Multiscale Separation of Magnetic Signals (Vienna)
Prizes in Imaging Science: SIAG/IS Best Paper Prize and Early Career Prize
New Monograph: Identification in Inverse Problems: Parabolic PDEs
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Submissions for IPNet Digest:
Mail to ipnet-digest@math.msu.edu

Information about IPNet:
<http://janus.math.msu.edu/ipnet/>

From: Kirsten Wilden <Wilden@siam.org>
Subject: SIAM Conference on Imaging Science (IS16) - Call for Presentations
Date: July 29, 2015

Conference Name:
SIAM Conference on Imaging Science (IS16)

Location:
Hotel Albuquerque at Old Town, Albuquerque, New Mexico, USA

Dates:
May 23-26, 2016

Organizing Committee Co-Chairs:
Stefano Soatto, University of California, Los Angeles, USA
Rebecca Willett, University of Wisconsin-Madison, USA

The Call for Presentations for this conference is available at:
<http://www.siam.org/meetings/is16/>

Twitter hashtag: #SIAMIS16

****Deadlines****

SUBMISSION DEADLINES

October 26, 2015: Minisymposium proposals

November 23, 2015: Contributed Lecture, Poster and Minisymposium Presentation
Abstracts

TRAVEL FUND APPLICATION DEADLINE

November 13, 2015: SIAM Student Travel Award and Post-doc/Early Career Travel Award
Applications

Please visit <http://www.siam.org/meetings/is16/submissions.php> for detailed submission
information.

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

From: Christian Gerhards <christian.gerhards@univie.ac.at>
Subject: PhD Position, University of Vienna
Date: July 13, 2015

PhD Position, Mathematical Geosciences, University of Vienna

Currently, there is an open 3-year position for a PhD student at the Computational
Science Center (headed by Otmar Scherzer) at the University of Vienna. The position is
associated with the DFG-funded project

Time-Space Multiscale Separation of Ocean Tide Generated Magnetic Signals.

The project aims at developing mathematical tools (e.g., the construction of localized
basis functions for the induction equation) to separate the contribution of the
Earth's Magnetic Field that is generated by induction processes due to (tidal) ocean
flow. A collaboration with the GFZ German Research Center for Geosciences in Potsdam
is planned for the geophysical applications.

Candidates must have a MSc degree (or equivalent) in Mathematics, Computer Science, or
a closely related field and have a strong interest in interdisciplinary mathematics
and geosciences.

More details on the project, the position, and the Computational Science Center can be
found at http://www.csc.univie.ac.at/index.php?page=ocean_tides.

Interested candidates should send their application to christian.gerhards@univie.ac.at
by August 31, 2015.

Submitted by: Dr. Christian Gerhards
Computational Science Center, University of Vienna
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1090 Vienna, Austria

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From: Naoki Saito <saito@math.ucdavis.edu>
Subject: Two SIAG/IS prizes: Call for Nominations
Date: July 6, 2015

Dear Colleagues,

Please note that the following two SIAG/IS prizes will be awarded at the 2016 SIAM Imaging Science Conference (IS 16), to be held May 23-26, 2016, in Albuquerque, New Mexico, USA:

- * SIAG/IS Best Paper Prize (http://www.siam.org/prizes/nominations/nom_siag_is.php)
- * SIAG/IS Early Career Prize
(http://www.siam.org/prizes/nominations/nom_siag_is_career.php)

The latter is our new prize just established this year.
So, please nominate the best papers for the former and the outstanding early career researchers for the latter!

The deadline of nominations for both prizes is: September 15, 2015.
Please take a look at the above websites for the details such as the eligibility, how to nominate, etc.

Sincerely,
Naoki Saito
Chair, SIAG/IS

Submitted by: Naoki Saito, Ph.D., Professor, Department of Mathematics
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From: Quan-Fang Wang <quanfangwang@hotmail.com>
Subject: "Identification in Inverse Problems" monograph
Date: July 4, 2015

Announcing the new monograph:

Title: Identification in Inverse Problems: Parabolic partial differential equation
Author: Quan-Fang Wang
Publisher: Lambert Academic Publishing

Two identification issues in inverse problems discussed in this monograph. One is identifying parameters for a class abstract parabolic partial differential equations on Lipschitz continuity. In variational method framework at (complex) Hilbert spaces, applying theoretic results to Hopfield neural network; Cahn-Hilliard equation;

Klein-Gordon-Schrodinger equation. Another is time independent coefficient inverse problem, using Taylor expansion to construct approximate polynomial for convexification approach in global convergent algorithm for 2D parabolic problems. In recovery, determining and reconstructing of system profile, property or characterization, this book captured general issues to identify unknown factors. Proposed abstract theory, bi-quadratic polynomial methodology can be developed to elliptic/hyperbolic issue, or extended to 3D. Rest work focus on time-spatial wise coefficients inverse problem. To be practical applied to a broad diverse problems in a variety disciplinary. These kinds of behaviors to do certification (e.g. DNA) just like detector to find mystery from witness or doctor to seek sick from symptoms, delighted and stimulated. A great interest would be made sure in the future inverse problems.

- * ISBN-13: 978-3-659-70920-3
- * ISBN-10: 3659709204
- * EAN: 9783659709203
- * Book language: English
- * By (author): QUAN-FANG WANG
- * Number of pages: 184
- * Published on: 2015-06-08
- * Category: Mathematics
- * Price: € 64,90

From: <noreply@iopscience.org>

Subject: Inverse Problems, Volume 31, Number 8, August 2015

Date: July 23, 2015

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