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

Subject: IPNet Digest: Volume 23, Number 04 Date: March 31, 2016 at 11:50 AM

To: ipnet@list.msu.edu

IPNet Digest Volume 23, Number 04 March 31, 2016

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

Today's Topics:

Abstract Deadline Extended: Inverse Problems Symposium 2016 Update: The 11th AIMS Conference on Dynamical Systems, Differential Equations & Applications Position: Research Associate in Cerenkov Luminescence Imaging for Robotic Assisted Surgery Position: PostDoc, Inverse Problems and Mathematical Imaging, University of Graz New Deadline for Inverse Problems Special Issue: Superiorization: Theory and Applications Table of Contents: Inverse Problems Table of Contents: Inverse Problems and Imaging Table of Contents: Inverse Problems in Science and Engineering

Submissions for IPNet Digest:

Mail to ipnet-digest@math.msu.edu

Information about IPNet:

http://ipnet.math.msu.edu

From: Inverse Problems <<u>info@inverseproblems.org</u>>

Subject: Deadline Extended for Abstract Submission, Inverse Problems Symposium 2016 Date: March 31, 2016

Several abstract submission accounts have been established on the Inverse Problems Symposium web site without the corresponding abstract submission. Also, there has been a concern on the part of some participants regarding email confirmation for submissions. Because of this, we are extending the abstract submission deadline one week. The new deadline is Wednesday 6 April 2016. Please submit your abstracts via the Symposium web site http://inverseproblems2016.org/. When abstracts are uploaded, the user is logged out of the account, so do not allow this to be a cause for concern.

If confirmation of a submission is desired, please contact the conference chairman, Robert McMasters, at <u>mcmastersrl@vmi.edu</u>. We look forward to receiving your submission.

From: Susan Cummins <<u>newsletter@aimsciences.org</u>> Subject: 11th AIMS Conference Update Date: March 15, 2016

The 11th AIMS Conference on Dynamical Systems, Differential Equations and Applications July 1 - July 5, 2016, Orlando, FL, USA

Hyatt Regency Hotel Plenary Speakers Suncica Canic (USA)Alessio Figalli (USA)Irene Fonseca (USA)Michael Ghil (USA)Martin Hairer (UK)Anatole Katok (USA)Wei-Ming Ni (USA)Stan Osher (USA)Hal Smith (USA)Gang Tian (China)

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March 13, 2016

This is to update you on the preparation of the AIMS Conference at Orlando: more than 100 special sessions have been organized and about 1,500 participants are expected to come. The program committee will start scheduling all the talks immediately after March 15, 2016, which is the deadline for registrations and abstract submissions. As the conference takes place in a resort and Orlando is known for having the best tourist attractions, bring your family to join us! To show our gratitude for your professional support and involvement, we are offering you the latest issues of all AIMS journals, see http://aimsciences.org/

See <u>http://aimsciences.org/conferences/2016/index.html</u> for more information on the conference. We hope to see you there!

Rest renards

IP

Susan Cummins Publication EditorAmerican Institute of Mathematical SciencesTel: 417-351-3204 Email: journal@aimsciences.org

From: Simon ARRIDGE <<u>S.Arridge@cs.ucl.ac.uk</u>> Subject: Post doc position in Peri-Operative Imaging with Cerenkov Illumination Date: March 2, 2016

Research Associate in Cerenkov Luminescence Imaging for Robotic Assisted Surgery

Centre for Medical Image Computing and Department of Computer Science, UCL in close collaboration with Lightpoint Medical

This post is funded for 24 months in the first instance.

Candidates should hold a PhD or equivalent experience in medical image computing, computer-aided interventions, skill analysis or closely related field.

We are looking for candidates with a proven record in a combination of the following: inverse problems, Monte Carlo simulation, computer vision, medical/surgical robotics, medical image computing and image guided interventions. You are expected to have a record of achievement relevant to your experience and be highly self-motivated and able to work within a large team plus have excellent communication skills

Please see the following link for details http://bit.ly/1XY2nQC

[Note: The IPNet has been told that the deadline on the above website is likely to be extended. -Ed]

From: "Moser, Melanie (<u>melanie.moser@uni-graz.at</u>)" <<u>melanie.moser@uni-graz.at</u>> Subject: PostDoc position, Inverse Problems and Mathematical Imaging, University of Graz Date: March 8, 2016

The Institute of Mathematics and Scientific Computing at the University of Graz offers a postdoc position (FWF-funded project) for 3 years.

The position is available immediately and the Application Deadline is April, 4th 2016.

https://static.uni-graz.at/fileadmin/nawi-institute/Mathematik/files/Jobs/Ausschreibungstext.pdf

From: Yair Censor <<u>yair@math.haifa.ac.il</u>>

Subject: DEADLINE EXTENSION FOR: The special issue of Inverse Problems on "Superiorization: Theory and Applications". Date: March 30, 2016

DEADLINE EXTENSION: The new submission deadline for the special issue: "Superiorization: Theory and Applications" is April 30, 2016.

Guest Editors: Yair Censor and Gabor T. Herman. The special issue is open to all.

To view the Announcement and Call for Papers please go to item [44] at: <u>http://math.haifa.ac.il/yair/bib-superiorization-censor.html</u> or to the journal's website at <u>http://iopscience.iop.org/0266-5611/page/Special-issue-superiorization-theory-and-applications</u>.

Submitted by: Prof. Yair Censor, Dept. of Mathematics, Univ. of Haifa, Mt. Carmel, Haifa 3498838, Israel. Homepage: <u>http://math.haifa.ac.il/yair</u> Phones: 04-8240837 (office), 04-8233824 (home), 050-8816144 (cell).

From: <<u>noreply@iopscience.org</u>> Subject: Inverse Problems, Volume 32, Numbers 2-4, February-April 2016 Date: March 1, 2016

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An online parameter identification method for time dependent partial differential equations R Boiger, and B Kaltenbacher

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Double obstacle phase field approach to an inverse problem for a discontinuous diffusion coefficient Klaus Deckelnick, Charles M Elliott, and Vanessa Styles

http://iopscience.iop.org/issue/0266-5611/32/4

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From: Susan Cummins <<u>newsletter@aimsciences.org</u>> Subject: New IPI vol. 10, no. 1 2016 February issue is now available online Date: March 11, 2016

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On the choice of the Tikhonov regularization parameter and the discretization level: A discrepancy-based strategy Vinicius Albani, Adriano De Cezaro and Jorge P. Zubelli

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Factorization method in inverse interaction problems with bi-periodic interfaces between acoustic and elastic waves Guanghui Hu, Andreas Kirsch and Tao Yin

The enclosure method for inverse obstacle scattering using a single electromagnetic wave in time domain Masaru Ikehata

A divide-alternate-and-conquer approach for localization and shape identification of multiple scatterers in heterogeneous media using dynamic XFEM Jaedal Jung and Ertugrul Taciroglu

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http://aimsciences.org/journals/contentsListnew.jsp?pubID=843

Submitted by: Susan CumminsPublication EditorAmerican Institute of Mathematical SciencesSpringfield, MO 65801 USAPhone: 417-351-3204

From: "Gray, Helen" <<u>Helen.Gray@tandf.co.uk</u>> Subject: Entry for next IP Digest Date: March 17, 2016 at 9:48:53 AM EDT To: "ipnet@math.msu.edu" <ipnet@math.msu.edu>

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http://www.tandfonline.com/gipe

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