Volume 25, Number 03 IPNet Digest April 05, 2018 Today's Editor: Patricia (Patti) K. Lamm, Michigan State University Today's Topics: Workshop on Numerical Analysis and Regularization for Inverse Problems at UCL Inverse Problems Symposium 2018 at MSU Table of Contents: Inverse Problems in Science and Engineering 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://ipnet.math.msu.edu From: "Betcke, Marta" <m.betcke@ucl.ac.uk> Subject: Workshop on numerical analysis and regularization for inverse problems, 26-27 April 2018, UCL

Date: March 15, 2018

We would like to bring to your attention the workshop on numerical analysis and regularization for inverse problems, 26-27 April 2018. The workshop is a part of both the series of EPSRC Inverse Problems Network Meetings and LMS Workshops on Inverse Problems, and it is hosted by the Centre of Inverse Problems at UCL.

Speakers: Erik Burman, UCL, United Kingdom Maarten de Hoop, Rice University, United States Romina Gaburro, University of Limerick, Republic of Ireland Ivan Graham, University of Bath, United Kingdom Nuutti Hyvönen, Aalto University, Finland Paul Ledger, Swansea University, United Kingdom Peter Maass, University of Bremen, Germany Virginia Selgas, Universidad de Oviedo, Spain

Registration is open via the website until the 19th of April. If you wish to present a poster please email the title and abstract to m.betcke[at]ucl.ac.uk by 19th of April. Registration is free to the network members and otherwise there is a fee of £40 exclusive / £70 inclusive conference dinner.

Limited number of travel bursaries are available for UK-based PhD students presenting a poster.

For further details please refer to the workshop's website http://www.cs.cf.ac.uk/invprob3/

Organisers: Marta Betcke Natalia Bochkina Malcolm Brown Sean Holman Lauri Oksanen

Submitted by: Dr Marta M. Betcke, Lecturer in Dept. Computer Science University College London, Gower Street, WC1E 6BT London, UK Email: m.betcke@ucl.ac.uk Tel: +44(0)20 7679 4355

From: "Dolan, Kirk" <dolank@anr.msu.edu> Subject: IPS 2018 IPNet Date: March 26, 2018 at 7:10:24 AM PDT

2018 Inverse Problems Symposium June 3-5. Michigan State University

Abstract Submission and Registration are open!

https://inverseproblems2018.org/

We also welcome session organizers. Please contact Kirk Dolan if you wish to organize a session.

This is the 31st in the series of National and International meetings on Inverse Problems that were initiated at Michigan State University in 1988. Papers are solicited from all areas involving inverse methods and their applications. The symposium is organized in a single-session format to foster cross-disciplinary interaction. Solicited topics include:

A. Mathematical and Statistical Aspects of Inverse Problems

- 1. Theory and Methods of Inverse Problems
- 2. Stability and Error Analysis
- B. Design of Experiments
  - 1. Optimal Design of Experiments
  - 2. Analysis of Actual Experimental Data
- C. Applications
  - 1. Heat Transfer, Applied Mechanics, Controls, Other Engineering Disciplines
  - 2. Biology, Biochemistry, Genetics, and Medicine
  - 3. Nondestructive Evaluation
  - 4. Nanoengineering
  - 5. Tomography and Inverse Scattering
  - 6. Geology and Environmental Phenomena
  - 7. Economics
  - 8. Food and Bioprocessing
  - 9. Bioengineering
  - 10. Packaging

Contact Information: Honorary Chairman: Dr. James V. Beck, Professor Emeritus, Michigan State University, beck@msu.edu.

Conference Chairman: Kirk Dolan, Professor Department of Food Science & Human Nutrition Department of Biosystems & Agricultural Engineering Michigan State University East Lansing, MI 48224 Phone: (517) 353-3333 dolank@msu.edu

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From: "Robinson, Justin" <Justin.Robinson@tandf.co.uk>
Subject: Inverse Problems in Science and Engineering, Volume 26, Issue 4, April 2018
is now available online on Taylor & Francis Online
Date: February 27, 2018

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Foreword George S. Dulikravich

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A new methodology for Bayesian history matching using parallel interacting Markov chain Monte Carlo Célio Maschio & Denis J. Schiozer

Robust inversion method for jointly estimating parameters and variance components from heterogeneous monitoring data F. Touati & N. Benaraba

Quality assurance of Gaver's formula for multi-precision Laplace transform inversion in real case Luisa D'Amore, Valeria Mele & Rosanna Campagna

Application of inverse method to predict the breakthrough curve in fixed-bed adsorption H. Rahideh, M. Mofarahi & P. Malekzadeh Characterization of elastic parameters for functionally graded material by a meshfree method combined with the NMS approach Bin Chen, Wen Chen & Xing Wei Announcement: The Ninth International Conference 'Inverse Problems: Modelling & Simulation' https://tandfonline.com/toc/gipe20/26/4?nav=tocList& Submitted by: Justin Robinson Managing Editor | Taylor & Francis | Routledge Journals Mathematics | Statistics | History of Science | Science, Technology & Society 4 Park Square, Milton Park, Abingdon, Oxon, OX14 4RN, UK Tel: +44 (0)20 755 19470 e-mail: justin.robinson@tandf.co.uk \_\_\_\_\_ From: <noreply@iopscience.org> Subject: Inverse Problems, Volume 34, Number 4, April 2018 Date: March 16, 2018 April 2018 Volume 34, Number 4 Inverse Problems Table of Contents Preface: Dynamic inverse problems: modelling-regularization-numerics Thomas Schuster, Bernadette Hahn, and Martin Burger Special Issue Papers: Computation of forces from deformed visco-elastic biological tissues José J Muñoz, David Amat, and Vito Conte Atmospheric turbulence profiling with unknown power spectral density Tapio Helin, Stefan Kindermann, Jonatan Lehtonen, and Ronny Ramlau Blind image fusion for hyperspectral imaging with the directional total variation Leon Bungert, David A Coomes, Matthias J Ehrhardt, Jennifer Rasch, Rafael Reisenhofer, and Carola-Bibiane Schönlieb Tensor tomography on Cartan-Hadamard manifolds Jere Lehtonen, Jesse Railo, and Mikko Salo Papers: Theoretical stability in coefficient inverse problems for general hyperbolic equations with numerical reconstruction Jie Yu, Yikan Liu, and Masahiro Yamamoto

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https://www.degruyter.com/view/j/jiip.2018.26.issue-2/issue-files/jiip.2018.26.issue-2
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