IPNet Digest	Volume 21,	Number 04	March 31,	2014
Today's Editor:	Patricia (Pa	tti) K. Lamm,	Michigan St	ate University

Today's Topics:

Workshop: Optimization and Inverse Problems in Electromagnetism PhD Course: Inverse Problems with Applications in Tomography & Imaging School: Mathematical and Statistical Tools in Mathematical Imaging Postdoc: Inverse Problems / Imaging / Optimization at Duisburg-Essen Table of Contents: Inverse Problems and Imaging

Submissions for IPNet Digest:

Mail to ipnet-digest@math.msu.edu

Information about IPNet:

http://www.math.msu.edu/ipnet

From: 0IPE2014 <info@oipe2014.nl>
Subject: 0IPE2014
Date: March 17, 2014

25th Optimization and Inverse Problems in Electromagnetism workshops Delft, The Netherlands www.oipe2014.nl

Over the past 25 years, the International Workshops on 'Optimization and Inverse Problems in Electromagnetism' (OIPE) have gained a worldwide reputation. We are glad to announce that the 2014 edition of the OIPE workshop series will be held in the historical city of Delft, The Netherlands from 10 to 12 September.

The aim of this workshop is to inform and to exchange ideas on recent developments in optimization and inverse problems in computational electromagnetic fields. Emphasis lies on design and optimization of electromagnetic devices such as machines, transformers, actuators and measurement equipment used in various applications. The workshop offers a forum for engineers, mathematicians and physicists to meet and to discuss theoretical aspects, methodologies and industrial research activities in electromagnetism

Important Dates: May 10th 2014: Digest submission deadline (2 pages) May 10th 2014: Start of early bird registration May 30th 2014: Digest acceptance notification August 10th 2014: End of early bird registration August 10th 2014: Deadline for paying fees of presenting authors September 10th - 12th : OIPE2014 conference

Abstract submission procedure: The authors are encouraged to submit a two-page digest due by May 10th, 2014. Online submission is required and facilities are provided on the website. (www.oipe2014.nl)

Abstract template can be downloaded from: http://www.oipe2014.nl/content/author For further information on our conference please visit our website: www.oipe2014.nl Yours sincerely, Dr. Domenico Lahaye From: Kim Knudsen <kiknu@dtu.dk> Subject: PhD course on Inverse Problems in Copenhagen June 2014 Date: March 11, 2014 We kindly invite you to Copenhagen in June 2014 for the International PhD course on Inverse Problems with Applications in Tomography and Imaging. This course will give a basic introduction to the mathematical and computational aspects of inverse problems, supplied with case studies in the form of applications from tomography, computer vision and bioimaging. Lecturers : Ville Kolehmainen, University of Eastern Finland Erkki Somersalo, Case Western Reserve University Kenichi Kanatani, Okayama University Per Christian Hansen, Technical University of Denmark Martin Lindahl, Department of Biochemistry and Structural Biology, Lund University and the Department of Biosciences, Karolinska Institutet More information about the PhD course can be found on the web site http:// www.diku.dk/forskning/research_school/phd_courses/upcoming/inverse_problems/ We would be pleased to welcome you and your students in June 2014 in Copenhagen! Best wishes, Aasa Feragen, Sami Brandt and Kim Knudsen Organizers Submitted by: Kim Knudsen, Associate Professor, DTU Compute Danmarks Tekniske Universitet Department of Applied Mathematics and Computer Science Matematiktorvet, Building 303 B, 2800 Kgs. Lyngby Direct telephone 45253026 kiknu@dtu.dk www.compute.dtu.dk/ From: agah Garnadi <adg661@yahoo.com> Subject: CIMPA-Indonesia 2014 Mathematical Imaging Schools Date: March 17, 2014 CALL FOR APPLICATIONS CIMPA-Indonesia School 2014 Mathematical and Statistical Tools in Mathematical Imaging 25 August-5 September 2014 Bandung, INDONESIA Deadline for Applications: 1 June 2014

For informations, please refer to:

http://cimpaimagingschool2014.fmipa.itb.ac.id/

NOTE: - Scholarships are available for the applicant from developing countries in limited seats. - Subject to DAAD approval, some scholarships for DAAD alumna/stipendiat are available. [Please mentions it that you are DAAD alumna/stipendiat.]

From: Christian Clason <christian.clason@uni-due.de>
Subject: Postdoc in Inverse problems/Imaging/Optimization at Duisburg-Essen
Date: March 28, 2014

The Faculty of Mathematics at the University of Duisburg-Essen is inviting applications for the position of a postdoctoral research associate (wissenschaftliche(r) Mitarbeiter(in), TV-L 13, two year contract) in the research group on inverse problems. The specific research topic will be adjusted to the applicant's interests and skills but should be within the area of analysis and numerics of parameter identification problems, mathematical (variational) imaging or optimization with partial differential equations. With a total of twelve research groups in analysis, optimization and numerical mathematics within the faculty, this position offers a unique opportunity for joint research.

The successful candidate will have a PhD in mathematics, solid knowledge of functional analysis and nonlinear optimization and experience in the numerical realization of algorithms and their application to concrete problems. Since the position includes teaching duties (4 hours/week during the semester), the ability to teach in German is required. Interest in interdisciplinary collaboration is expected.

Applications including a CV and copies of relevant certificates should be sent to

Christian Clason Universität Duisburg-Essen Fakulty of Mathematics 45117 Essen

or via email to

christian.clason@uni-due.de

The deadline is

April 18, 2014

As an equal opportunity and affirmative action employer, the university explicitly encourages applications from women as well as from all others who would bring additional diversity dimensions to the university's research and teaching strategies. Preference will be given within the framework of legal possibilities to such candidates with essentially the same qualifications.

For more details, please see the official announcement of the university at http://goo.gl/DmuA7a (PDF, in German). Information about the research group and the faculty can be found at https://www.uni-due.de/mathematik/agclason.

Submitted by: Prof. Dr. Christian Clason AG Inverse Probleme, Fakultät für Mathematik Universität Duisburg-Essen tel: +49 201 183 6382 www: http://www.uni-due.de/mathematik/agclason

From: Susan Cummins <newsletter@aimsciences.org> Subject: New IPI vol. 8, no. 1 2014 February issue is now available online Date: March 28, 2014

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Solving inverse source problems by the Orthogonal Solution and Kernel Correction Algorithm (OSKCA) with applications in fluorescence tomography Shui-Nee Chow, Ke Yin, Hao-Min Zhou and Ali Behrooz

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Towards deconvolution to enhance the grid method for in-plane strain measurement Frederic Sur and Michel Grediac

A local information based variational model for selective image segmentation Jianping Zhang, Ke Chen, Bo Yu and Derek A. Gould

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Submitted by: Susan Cummins, Publication Editor American Institute of Mathematical Sciences Springfield, MO 65801 USA Phone: 417-987-6421