Volume 23, Number 02 IPNet Digest February 1, 2016 Today's Editor: Patricia (Patti) K. Lamm, Michigan State University Today's Topics: Workshop: Mathematical/Computational Aspects of Tomographic Imaging (HD-Tomo Days) Conference: Inverse Problems in Engineering (ICIPE 2017) Conference: Discrete Optimization and Operations Research (DOOR2016) Research Fellow: In Bayesian Inverse problems, Optimization, Imaging Special Issue: On Image Processing and Analysis, in JSIP Table of Contents: Inverse Problems Table of Contents: Inverse Problems in Science and Engineering Table of Contents: Electronic Transactions on Numerical Analysis Submissions for IPNet Digest: Mail to ipnet-digest@math.msu.edu Information about IPNet: http://ipnet.math.msu.edu From: " Yiqiu Dong" <yido@dtu.dk> Subject: Workshop Announcement: HD-Tomo Days, April 2016, Denmark Date: January 14, 2016 Workshop announcement: HD-Tomo Days Technical University of Denmark, 6-8 April 2016

This workshop aims at bringing together researchers who are interested in mathematical and computational aspects of modern tomographic imaging methods that build on advanced PDE analysis, regularization theory, and optimization. The workshop features invited talks, contributed talks, poster presentations, and dedicated discussion sessions.

Prior to this workshop, there will be a Training School on Algebraic Reconstruction Methods in Tomography (4-6 April 2016) at the Technical University of Denmark as part of EXTREMA COST Action MP1207.

See the homepage http://hd-tomo-days.compute.dtu.dk/ for more information. Participation is free but registration is mandatory. The deadline of registration is on February 29, 2016.

On behalf of the organizers: Martin S. Andersen Yiqiu Dong Mirza Karamehmedović Ekaterina Sherina Kim Knudsen. Submitted by: Dr. Yiqiu Dong, Department of Applied Mathematics and Computer Science, Technical University of Denmark, 2800 Kgs. Lyngby Denmark Tel: +45 4525 3108 Homepage: http://www2.compute.dtu.dk/~yido/

From: Kyle Daun <kjdaun@uwaterloo.ca> Subject: International Conference on Inverse Problems in Engineering (ICIPE 2017) Announcement Date: January 27, 2016

The 9th International Conference on Inverse Problems in Engineering

The conference will be held May 24-27, 2017 at the University of Waterloo. Waterloo is an interesting study of contrast: it is the centre of Canada's high tech industry, while the surrounding countryside is pastoral, and features beautiful farms, rolling hills, and communities of old-order Mennonites. Further afield, Toronto, Canada's largest city, Niagara Falls and the Niagara Peninsula, famous for its vineyards, and Stratford Ontario, famous for its theatre festival, are all within a 90 minute drive. 2017 also marks the 150th anniversary of Canada, so there will be many special festivities highlighting the history and culture of our country.

Traveling to Waterloo is quite straightforward: international visitors can arrive at Pearson International Airport (west of Toronto) and Waterloo is approximately one additional hour by ground transportation. Visitors from the United States may also wish to drive (~2 hrs from Buffalo NY, ~3 hrs from Detroit MI) or fly into Buffalo airport and take ground transportation to Waterloo.

We have put together a website (under development) at icipe17.uwaterloo.ca, and I have attached a conference flier. The preliminary publication timeline is:

- Abstract submission: October 15th, 2016
- Abstract acceptance notification: November 1st, 2016
- Paper submission deadline: January 1st, 2017
- Paper acceptance notification: February 15th, 2017
- Final paper submission deadline: March 1st, 2017

We would be grateful if you could disseminate the call-for-papers to your colleagues in inverse analysis. We hope to have good attendance from around the world.

We are very excited about hosting you in Waterloo!

Best regards,

Kyle and Sriram

Kyle J. Daun, PhD, P. Eng. Conference Chair Associate Professor

Department of Mechanical and Mechatronics Engineering University of Waterloo

Sriram Narasimhan, PhD, Peng Conference Co-chair Canada Research Chair in Smart Infrastructure and Associate Professor, Civil & Environmental Engineering University of Waterloo

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From: Nurminski E.A. <nurmi@dvo.ru>
Subject: International Conference on Discrete Optimization and Operations Research
September 19-23, 2016 Vladivostok, Russky Island, Russia.
Date: January 21, 2016

Call for submissions. International Conference on Discrete Optimization and Operations Research, DOOR2016, Sept. 19-23, 2016 Vladivostok, Russky Island, Russia.

See details on the conference website and visit it again as it is continuously updated with more information: http://www.math.nsc.ru/conference/door/2016/.

The conference is organized by Far Eastern Federal University, Sobolev Institute of Mathematics Siberian Branch of RAS, Novosibirsk State University, Higher School of Economics, Nizhny Novgorod.

Main Topics: Mathematical programming Mathematical models and methods for decision making Integer programming and polyhedral combinatorics Bilevel programming and multicriteria optimization Computational complexity and polynomial time approximation Optimization problems in machine learning and data mining Discrete optimization in scheduling, routing, bin packing, locations, and optimization problems on graphs Applications of operations research

Important Dates Paper submission - April, 15, 2016 Notification of acceptance - June, 1, 2016 Payment of the registration fee - July, 1, 2016 Preliminary program - September, 1, 2016 Conference days - September, 19-23, 2016

Co-Chairs of Program Committee: Professor Evgeny Nurminski (FEFU, Vladivostok, Russia) Professor Vladimir Beresnev (SIM, Novosibirsk, Russia) Professor Panos Pardalos (HSE, Nizhny Novgorod, Russia, University of Florida, USA) English and Russian are the working languages of the Conference. Proceedings will be prepared as a volume of Lecture Notes in Computer Science, by Springer. For the complete First Call click on "The First Call for papers" on the above website. From: Alexandre THIERY <a.h.thiery@nus.edu.sg> Subject: Immediately Available: Research Fellowship in Bayesian Inverse Problems / Optimization at the National University of Singapore Date: February 1, 2016 A research fellow position in Bayesian Inverse problems / Optimization / Imaging at the National University of Singapore, under the supervision of Dr Alex Thiery (NUS) and Dr Cuong Dang (NTU) is available. PhD in statistics, optimization, computer science, applied mathematics, engineering, machine learning or a related discipline is required. Strong research track record is essential. Duration: 1 years, renewable up to two years Starting date: As soon as possible Salary Range: 60k to 75k SGD Research travel budget avaiable. Application closing date: March, 2016 More information: http://www.normalesup.org/~athiery/imaging\_fellowship.pdf For informal inquiries, contact Alex Thiery (a.h.thiery at nus.edu.sg<mailto:a.h.thiery at nus.edu.sg>). From: Journal of Signal and Information Processing <jsip@scholarnsletter.com> Subject: Special Issue on "Image Processing and Analysis" Date: January 25, 2016 Special Issue on "Image Processing and Analysis" Submission Deadline: April 12th, 2016 The Journal of Signal and Information Processing (JSIP), a peer-reviewed open-access

The Journal of Signal and Information Processing (JSIP), a peer-reviewed open-access journal, is seeking papers for the upcoming special issue on "Image Processing and Analysis". We would like to invite you to submit papers to this issue through our Paper Submission System.

Aims & Scope (not limited to the following fields) Analog image processing Computer graphics Digital image processing Electronic imaging Feature extraction Graphics processing units Image enhancement Image mining Image registration Image sharpening and restoration Magnetic resonance imaging Medical imaging Pattern recognition Best regards, Prof. Baozong Yuan (Beijing Jiaotong University, China) Editor-in-Chief JSIP Editorial Office E-mail: jsip@scirp.org Principal Place of Business: Building 5, Headquarters Space of Optical Valley, Tangxun Lake North Road #38, East Lake High-Tech Development Zone, Wuhan 430223, Hubei Province, China. For ease of communication: Scientific Research Publishing Inc., P. O. BOX 54821, Irvine CA 92619-4821, USA. \_\_\_\_\_ From: <noreply@iopscience.org> Subject: Inverse Problems, Volume 32, Number 1, January 2016 Date: January 3, 2016 January 2016 Volume 32, Number 1 Inverse Problems Table of Contents The generalized Legendre transform and its applications to inverse spectral problems Victor Guillemin and Zuoqin Wang On the unique reconstruction of induced spherical magnetizations Christian Gerhards Near-field imaging of obstacles with the factorization method: fluid-solid interaction Tao Yin, Guanghui Hu, Liwei Xu, and Bo Zhang

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http://iopscience.iop.org/0266-5611/32/1/email-alert/1146947108

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From: "McAtee, Harriet" <Harriet.McAtee@tandf.co.uk>
Subject: Contents, Inverse Problems in Science and Engineering
Date: January 11, 2016

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