IPNet Digest Volume 22, Number 04 April 3, 2015

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

Today's Topics:

Submissions for IPNet Digest:
Mail to ipnet-digest@math.msu.edu

Information about IPNet:
http://www.math.msu.edu/ipnet

From: Omar Ghattas <omar@ices.utexas.edu>
Subject: ICERM IdeaLab for early career researchers on "Inverse Problems and Uncertainty Quantification"
Date: March 25, 2015

We are pleased to announce the following ICERM IdeaLab one-week program for early career researchers on the topic of "Inverse Problems and Uncertainty Quantification." A description of the IdeaLab is provided below, along with a link for further information and instructions for application to the program. In addition, a flyer describing the program can be downloaded from http://users.ices.utexas.edu/~omar/tmp/IdeaLab2015.pdf .

Please let us know if you have questions.

Best regards,
Omar Ghattas, Youssef Marzouk, and Noemi Petra

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ICERM’s IdeaLab for Early Career Researchers

Inverse Problems and Uncertainty Quantification
July 6-10, 2015

IdeaLab is a one-week summer program aimed at early career researchers (within 5 years of their Ph.D.) held at Brown University’s Institute for Computational and Experimental Research in Mathematics (ICERM). IdeaLab focuses on a topic at the frontier of research. Participants are exposed to a problem whose solution may require

broad perspectives and multiple areas of expertise. Senior researchers introduce the topic in tutorials and lead discussions. The participants break into teams to brainstorm ideas, comprehend the obstacles, and explore possible avenues towards a solution. The teams are encouraged to develop a research program proposal. On the last day, they present their ideas to one another and to a small panel of representatives from funding agencies for feedback and advice.

More About the Topic:
Inverse problems arise in an enormous variety of science and engineering problems. The goal of this IdeaLab is to lay out the fundamentals of uncertainty quantification for inverse problems in a relatively rapid but hands-on manner, so that participants can understand and fluently discuss the current state of the art. We will also discuss connections to classical (regularization-based) inverse problems.

Organizing Committee:
Omar Ghattas, University of Texas at Austin
Youssef Marzouk, MIT
Noemi Petra, University of California, Merced

Funding Includes:
Travel support
Six nights accommodations
Meal allowance

More details and application information can be found at:
http://icerm.brown.edu/idealab/2015/

From: Jan-Frederik Pietschmann <pietschm@uni-muenster.de>
Subject: Summer School, Inverse Problems, Germany, Sep 2015
Date: March 30, 2015

The Institute of Computational and Applied Mathematics of the University of Muenster is proud to host a Summer School on Inverse Problems on September 22-25, 2015. The aim of this school is to introduce master and young PhD students to advanced topics in Inverse Problems. The school is preceding a Symposium on Variational Methods for Dynamic Inverse Problems and Imaging (http://www.wwu.de/math/ipworkshop2015/) also taking place in Münster. Participants are invited to stay for this event as well.

Lecturers:
- Thorsten Hohage: Regularization of Statistical Inverse Problems and Applications
- Michael Moeller: Variational Methods in Image Processing
- Guillaume Bal: Inverse Problems in Transport
- William Rundell: Inverse Problems in Diffusion

Deadline for registration is June 15, 2015. There will be a limited number of travel funds available for young researchers.

Please find all details, including registration, on http://www.wwu.de/math/ipschool2015/

From: Jan-Frederik Pietschmann <pietschm@uni-muenster.de>
Subject: Variational Methods for Dynamic Inverse Problems and Imaging, Germany, Sep 2015
Date: March 30, 2015

The Institute of Computational and Applied Mathematics of the University of Muenster is proud to host the first Applied Mathematics Symposium Muenster on Methods for Dynamic Inverse Problems and Imaging, September 28-30, 2015. The aim of this workshop is to collect different aspects of variational methods in imaging and inverse problems, with a particular focus on dynamic problems. The workshop serves as the annual meeting of the GAMM activity group Mathematical Signal and Image Processing.

There is a Summer School on Inverse Problems (http://www.wwu.de/math/ipschool2015/) preceding this workshop in the same location.

Invited Speakers:
- Marcelo Bertalmio (Universitat Pompeu Fabra)
- Bernadette Hahn (University of Saarbrücken)
- Sarang Joshi (University of Utah)
- Joyce McLaughlin (RPI)
- Stanley Osher (UCLA)
- Nicolas Papadakis (Universite Bordeaux)

Deadline for registration is June 15, 2015. Please find all details, including registration, on http://www.wwu.de/math/ipworkshop2015/

From: "Dolan, Kirk" <dolank@msu.edu>
To: "Inverse Problems Network (IPNet)" <ipnet@math.msu.edu>
Subject: Inverse Problems Symposium 2015
Date: March 28, 2015 at 8:07:25 AM PDT

Inverse Problems Symposium 2015 will be held May 31 – June 2 at Michigan State University, East Lansing Michigan.
We welcome papers on inverse problems from all areas.
http://www.inverseproblems2015.org/
Abstract submission deadline has been extended to April 15th.
Important dates:

- Abstract submission closes: April 15, 2015
- Abstract acceptance notification: April 18, 2015
- Early registration closes: May 1, 2015

Contact:
Kirk Dolan, Conference Chair
Keith Woodbury, Conference Co-Chair
James Beck, Conference Honorary Chair

Please join us in East Lansing!

NOTE: the “World Academy of Science, Engineering, and Technology (WASET) is a fraudulent group using our international conference ICIPE name in a fraudulent website:
https://www.waset.org/conference/2015/11/kyoto/ICIPE/

From: Mila Nikolova <nikolova@cmla.ens-cachan.fr>
Subject: SSVM 2017 proposals
Date: March 30, 2015

Dear Colleague,

SSVM – Scale Space & Variational Methods in Computer Vision is a biannual conference series. The aim is to bring together communities with common research interests: on scale space analysis, on variational, geometric and level set methods, and their applications in the image interpretation and understanding. This conference has become a major event in the scientific community.

We welcome proposals for organization of SSVM 2017.
Proposals will be discussed during the program committee meeting planned on Tuesday June 2 at SSVM 2015 (31st May, 4th June)
http://ssvm2015.math.u-bordeaux.fr/
Proposals can be mailed to
Jean-Francois.Aujol@math.u-bordeaux.fr
nikolova@cmla.ens-cachan.fr
[until 30 May 2015], or presented at the PC meeting.

Please feel free to contact us if you need any further information.

Best regards,

The SSVM 2015 organizing team:
Jean-François Aujol
Mila Nikolova
Nicolas Papadakis

From: Alejandro Frangi <a.frangi@sheffield.ac.uk>
Subject: Lecturer / Senior Lecturer in Medical Image Computing, University of Sheffield, UK
Date: March 19, 2015

Lecturer / Senior Lecturer in Medical Image Computing
University of Sheffield - Department of Electronic and Electrical Engineering
Location: Sheffield
Salary: £38,511 to £54,841 per annum
Hours: Full Time
Contract Type: Permanent
Placed on: 19th March 2015
Closes: 14th May 2015
Job Ref: UoS010404

http://www.jobs.ac.uk/enhanced/employer/university-of-sheffield/

Contract Type: Open-ended
Working Pattern: Full time
Faculty: Faculty of Engineering
Salary:
Grade 8: £38,511- £45,954 per annum. Potential to progress to £51,702 per annum through sustained exceptional contribution.
Grade 9: £48,743- £54,841 per annum. Potential to progress to £63,552 per annum through sustained exceptional contribution.

The Electronic and Electrical Engineering Department (EEE) is respected internationally for its many important contributions in the field of electronic and electrical engineering (http://www.shef.ac.uk/eee). We currently have 41 academic staff, including 19 Professors, and a student community of approximately 750 comprising undergraduate, postgraduate taught and research students. Our teaching is underpinned by research at the leading edge, with world-class laboratories available to undergraduates and postgraduates. The Department is organised into three consolidated research areas: Semiconductor Materials and Devices, Communications, and Electrical Machines and Drives. A fourth emerging area around Medical and Biomedical Imaging and Sensing has been strategically recognised as a growth area and this post is framed within this latter context. Further details on each of the research areas can be accessed via the above Departmental web link.
This post offers an exciting opportunity to join a leading research centre within the department of Electronic and Electrical Engineering at the University of Sheffield. The Centre for Computational Imaging and Simulation Technologies in Biomedicine (CISTIB) www.cistib.org is a centre focusing on methodological and translational research in the area of computational imaging, and image-based physical and physiological computational modelling. CISTIB has extensive expertise in model-based imaging and image-based modelling and is a great scientific environment where imaging and modelling meet. This position emerges from the close collaboration at CISTIB between the Departments of Electronic and Electrical Engineering (EEE) and Mechanical Engineering (MEC), both in the Faculty of Engineering.

You will have a good first degree in Engineering, Physics, Mathematics, Computer Science, a biological science or other relevant discipline (or equivalent experience), in addition to a PhD in a relevant engineering discipline or equivalent research experience. You are strongly encouraged to apply if you are committed to pursuing theoretical or applied research in medical image computing whilst working collaboratively across disciplines to strengthen the links between CISTIB and other research institutes in the Faculties of Engineering, and of Medicine, Dentistry and Health, and of Science.

As a Lecturer/Senior Lecturer in EEE you will develop your research profile as well as help deliver the research vision and strategy of CISTIB, the Department and Faculty by conducting independent as well as collaborative research that is internationally leading. You will also secure research funding from a variety of sources, by supervising research students and research staff, and by publishing your work in the top journals in the field. As a teacher you will play a key role in maintaining our reputation for high quality teaching through devising, designing, preparing, and delivering research-led taught courses. Initially you will be allocated substantially lighter than average teaching and administrative duties to allow you to establish your research career and to develop as a teacher. A senior academic mentor and a comprehensive training programme in learning and teaching will support you throughout your early years.

The Department provides a vibrant and supportive environment in which to carry out your research, teaching and professional activities.

The Department has been awarded an Athena SWAN Bronze Award, for its support of representation of Women in Science, Technology, Engineering, Medicine and Mathematics.

You can view the supporting documentation by clicking on About the Job and About the University located near the top of your screen.

Prof Alejandro F Frangi, PhD FIEEE
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From: <noreply@degruyter.com>
Subject: Contents, 'Journal of Inverse and Ill-posed Problems'
Date: April 1, 2015 at 2:15:34 PM PDT

Journal of Inverse and Ill-posed Problems Volume 23 Issue 2

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http://www.degruyter.com/view/j/jiip.2015.23.issue-2/issue-files/jiip.2015.23.issue-2.xml

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