IPNet Digest Volume 21, Number 06 June 1, 2014

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

Today's Topics:

Call for Posters: Inverse Problems -- from Theory to Application (IPTA 2014)

Upcoming Workshop: Imaging with Modulated/Incomplete Data 2014 Postdoc Position: Data Modeling and Analysis of Brain/Body Imaging

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Submissions for IPNet Digest:

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Information about IPNet:

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

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From: Leanne Mullen <Leanne.Mullen@iop.org>

Subject: IPTA2014 Call for Posters

Date: May 20, 2014

Dear All,

Thank you for all your help and support with our upcoming IP conference. IPTA2014 http://ipta2014.iopconfs.org/IPTA

As the conference only lasts 3 days we have had to limit the number of speakers that we could accommodate within the programme.

However, it would be great to include more early stage researchers in our conference. Therefore, we are making a call for posters and would be grateful for your help to circulate this call.

Please can you circulate the following call for posters to all your students and early career researchers who may be interested in this opportunity.

Interested candidates should send their poster abstracts with the subject line "IPTA2014 Poster Submission". Abstracts are limited to 300 words. The abstract should provide the following information:

- Title of the poster
- The names/affiliations and contact information of corresponding author
- The names/affiliations of all authors
- An abstract (300 words) describing the content of the poster

Please submit the poster abstract as a word doc or PDF via email to leanne.mullen@iop.org

These proposals will be subject to a quick review by the conference scientific committee.

Deadline: 24th June 2014

Poster size = A0 (841 x 1189 mm)

The dedicated poster session will be held from 16:05-17:05 on Wednesday 27th August. However, poster presenters are welcome to put up their posters earlier and to leave them up for the entire conference.

I hope that this is of some interest and I look forward to receiving poster proposals soon.

Submitted by: Dr Leanne Mullen Publishing Editor Inverse Problems
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From: Stephen Keeling <stephen.keeling@uni-graz.at> Subject: Imaging with Modulated/Incomplete Data 2014

Date: May 27, 2014 at 11:17:49 AM EDT

We wish to announce that the Workshop,

"Imaging with Modulated/Incomplete Data 2014"

will take place in Graz, Austria, 3. - 5. July 2014

as part of the Special Research Center,

"Mathematical Optimization and Applications in Biomedical Sciences".

Those interested to participate in the workshop are invited to visit the webpage, http://math.uni-graz.at/mobis/imaging14/ to obtain further information.

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From: Kay Robbins <Kay.Robbins@utsa.edu>

Subject: Postdoctoral position - Data modeling and analysis of brain/body imaging

Date: May 23, 2014

Postdoctoral position - Data modeling and analysis of brain/body imaging

We are seeking a highly motivated postdoctoral fellow to be part of an interdisciplinary research alliance (Cognition and Neuroergonomics Collaborative Research Alliances (CNACTA)) working to develop data analysis and management methods and tools for mobile brain/body imaging data in support of a research program in neuroergonomics (the study of the brain and body at work). The research alliance seeks to discover relationships between brain dynamics (recorded by non-invasive EEG) and motivated behavior (recorded by body motion capture, eye tracking and other sensors) in interactive, information-rich human-system operating environments with an overall goal of developing performance enhancement and monitoring technology.

The ideal candidate will have a strong background in computation, machine learning,

and/or visualization and have an interest in applying computational tools to large-scale problems in neuroscience.

The fellow will be based at the University of Texas at San Antonio but will collaborate with a group of Army-funded government and industry researchers in gathering and analyzing data from successively more complex and realistic experiments. The successful applicant will be hired by and will work closely with the CANCTA research group at the University of Texas at San Antonio led by Dr. Kay Robbins of Computer Science and Dr. Yufei Huang of Electrical and Computer Engineering. The fellow will also interact with partner groups at UC San Diego, University of Michigan, Columbia University, University of Osnabrück, and National Chiao Tung University. In addition to participating in this unique large-scale analysis project, the fellow will present the research at conferences and in the open research literature.

Salaries will be competitive. Transitions to permanent government or industry research positions may be available for successful candidates.

Minimum Requirements: Ph.D. with research experience in machine learning and computational approaches to data analysis. It is preferred that the candidate is an American citizen or Permanent resident.

Preferred Qualifications: Strong skills in statistical learning with experience applied to data from complex experimental designs especially in neuroscience such as EEG data.

UTSA is an equal opportunity employer.

For additional information please contact:
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From: Liwei Ning <newsletter@aimsciences.org>

Subject: New IPI vol. 8, no. 2 2014 May issue is now available online

Date: May 22, 2014

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http://www.aimsciences.org/journals/contentsListnew.jsp?pubID=685

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