IPNet Digest Volume 21, Number 07 July 1, 2014

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: Leanne Mullen <Leanne.Mullen@iop.org>
Subject: IPNet Digest: Volume 21, Number 06
Date: June 27, 2014

Dear All,

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

Registration
Normal Registration closes 21st July
http://ipta2014.iopconfs.org/203372

Conference Programme
The conference programme is now available on the conference website at:
http://ipta2014.iopconfs.org/IOP/media/uploaded/EVIOP/event_458/IPTA2014%20Timetable-3.pdf

Poster Session
Young investigators: including PhD and early career postdoctoral students are invited to present a poster at IPTA2014.
Interested candidates should submit a short abstract for review.
The deadline for poster abstract submission has been extended until 28th July 2014.
Further details can be found at http://ipta2014.iopconfs.org/283995
I hope that this is of some interest and I look forward to receiving further poster proposals.

From: <rbosi@mappi.helsinki.fi>
Subject: Call for minisymposia - Applied Inverse Problems (AIP) conference 2015 - Helsinki
Date: June 6, 2014

Call for minisymposia

The Applied Inverse Problems (AIP) conference will take place in Helsinki, Finland, in May 25-29, 2015. See the conference website for more details:
http://aip2015.fips.fi/.
According to the tradition of the AIP conference series, the majority of talks will be given as part of minisymposia.

A minisymposium has four or eight 30-minute time slots, each with 25 minutes for the talk and 5 minutes for questions and comments from the audience. We welcome minisymposium proposals consisting of a title, a description (not to exceed 100 words), and a list of speakers and the titles of their presentations.

It is recommended that a minisymposium organizer gives the first presentation. Each minisymposium speaker should submit an at most 75-word abstract. The organizing committee will referee minisymposium proposals. The number of minisymposia may be limited to retain an acceptable level of parallelism in the conference sessions.

Participants are limited to presenting at most two talks during AIP in order to maximize the opportunity for all participants to speak. If you are invited to speak in more than one minisymposium, we suggest you use the opportunity to nominate a collaborator to speak about your work.

To ensure balance, AIP prefers that a single individual is the organizer of at most two minisymposia. In addition, AIP discourages minisymposia in which most of the speakers come from the same organization or all co-authors on the papers being presented are from the same organization.

To encourage the submission of more and high-quality minisymposia, a limited number of minisymposia will be selected by the organizing committee according to the number and diversity of speakers as well as the significance of the topics, and the registration fee of one speaker of these selected minisymposia will be waived.

Deadlines:
Submission deadline for minisymposium proposals: September 30, 2014
Final decisions announced for minisymposium proposals: October 30, 2014
Submission deadline for accepted minisymposium abstracts: November 30, 2014

Please use the following form to submit minisymposium proposals:
https://elomake.helsinki.fi/lomakkeet/51897/lomake.html
The form is designed for 4 speakers. If you are proposing an 8-speaker minisymposium, please fill in two times the form writing "(Part 1)" and "(Part 2)" in the field 'Title' of the minisymposium.

If you need more information about minisymposia, please send email to Roberta Bosi <roberta.bosi@helsinki.fi>.

Yours sincerely,

Samuli Siltanen
Chair of the AIP2015 organization committee
President of the Finnish Inverse Problems Society
Professor of Industrial Mathematics
Department of Mathematics and Statistics
University of Helsinki
Finland

From: Denis Maillet <Denis.Maillet@univ-lorraine.fr>
Subject: Metti Advanced School announcement
Date: June 13, 2014

Subject/dates: Advanced School - Thermal Measurements and Inverse Problems (Metti6),
Biarritz, France, March 1-6, 2015
Website: http://metti.u-bordeaux.fr

Techniques for solving inverse problems as well as their applications may seem quite obscure for newcomers to the field. They are met in different areas in the physical sciences and particularly in Heat Transfer. Experimentalists desiring to go beyond traditional data processing techniques for estimating the parameters of a model with the maximum accuracy feel often ill prepared in front of inverse techniques.

In order to avoid biases at different levels of this kind of involved task, it seems compulsory that specialists of measurement inversion techniques, modelling techniques and experimental techniques share a wide common culture and language. These exchanges are necessary to take into account the difficulties associated to all these fields. It is in this state of mind that this school is proposed.

The METTI Group (Thermal MEasurements and Inverse Techniques), which is a division of the French Heat Transfer Society (SFT), has already run or coorganized five similar schools, in the Alps (Aussois) in 1995 and 2005, in the Pyrenees (Bolquère-Odeillo) in 1999, in Rio de Janeiro (2009) and in Roscoff (2011). For this sixth edition the school is again open to participants from the European Community with the support of the Eurotherm Committee and and of CNRS.

The proceedings, that is the texts and the presentations of the Lectures and Tutorials of the preceding school (Metti5), can be found at:
http://www.sft.asso.fr/document.php?pagendx=12299&project=sft

Lectures will be given from 9:00 to 12:30 every morning from Monday to Friday and will cover the following subjects: Inverse problems, parametric estimation, nonlinear

estimation, optimization, regularization, sensors, function estimation, signal processing, model reduction, etc.

Tutorials will be held between 17:00 and 20:30 from Monday to Thursday. They will include an experimental and/or a numerical part. The detailed abstracts of the tutorials will be presented on the school website. Each participant will be asked to choose tutorials according to the schedule, with a maximum number equal to six, at least.

Pre-registration is now open at http://metti.u-bordeaux.fr
Final registration will be confirmed by the local organizing committee according to the CNRS regulations and the constraint of limited attendance.

Submitted by Denis Maillet
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From: QUAN-FANG WANG <quanfangwang@hotmail.com>
Subject: "Optimal Control for Cahn-Hilliard Issues" -monograph
Date: June 30, 2014

It is a pleasure to recommend a book to the IPNet Digest.

Monograph: Optimal Control for Cahn-Hilliard Issues: Basics, Concepts,Tutorials
Author: Quan-Fang Wang

Blurb/Shorttext :
A unified and systematic optimal control theory for nonlinear Cahn-Hilliard equation is perfectly established by the means of distributed control, boundary control and initial control for abstract integral cost function and quadratic cost function in the framework of variational method in Hilbert space under weaker assumptions on exponent of nonlinearity. Computational approach is configured for semi-discrete algorithm (time-continuous, spatial discrete), and is performed using finite element method and updated conjugate gradient method to one-dimensional distributed control case. Parameter identification is slightly touched for unknown parameters appeared at damped and dissipative C-H equation. According to introductory function analysis and physical background, a path way from applied mathematics to control theory is in this monograph for solidly supporting a true solution of optimal control to a broad class binary systems describing by Cahn-Hilliard equation.

* PaperBack: 128 Pages
* Publisher: Lambert Academic Publishing

* Language: English
* ISBN-13: 978-3-659-17742-2
* ISBN-10: 3659177423
* EAN: 9783659177422
* Pulbication date: 2014-03-19

https://www.lap-publishing.com/catalog/details/store/de/book/978-3-659-17742-2/optimal-control-for-cahn-hilliard-issues

Best regards,
Quan-Fang Wang

Book: Optimal Control for Nonlinear Parabolic Distributed Parameter Systems,
Monograph: Practical Application of Optimal Control Theory,
Monograph: Optimal Control for Cahn-Hilliard Issues,
Quan-Fang Wang, LAMBERT Academic Publishing

From: "Gray, Helen" <Helen.Gray@tandf.co.uk>
Subject: Contents, Inverse Problems in Science and Engineering
Date: June 16, 2014

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Inverse Problems in Science and Engineering, Vol. 22, No. 7, 03 Oct 2014, is now available online on Taylor & Francis Online (http://www.tandfonline.com/gipe)

Submitted by: Helen Gray – Publishing Editor
Taylor & Francis/Routledge Journals, Taylor & Francis Group.
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From: <custserv@iop.org>
Subject: Inverse Problems, Volume 30, Number 7, June 2014
Date: June 24, 2014

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