IPNet Digest Volume 26, Number 01 January 31, 2019

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://ipnet.math.msu.edu

From: "Mishra, Dharmendra K" <mishra67@purdue.edu>
Subject: Inverse Problems Symposium 2019
Date: Saturday, January 12, 2019

We welcome you to the West Lafayette, IN campus for the Inverse Problems Symposium 2019.
Presentations in all areas having to do with inverse problems are welcome.
If you are interested in organizing a session, please let me know.
Here is the website for more information:

https://www.inverseproblems2019.org

Thank you and looking forward to seeing you at the symposium.

Best regards,
Dharmendra Mishra

Submitted by: Dharmendra Mishra, Ph.D.
Assistant Professor, Extension Food Technologist
Department of Food Science, Purdue University
Philip E. Nelson Hall of Food Science
745 Agriculture Mall Dr., West Lafayette, IN 47907-2009
Phone: 765.494.2594 Fax: 765.494.7953
www.ag.purdue.edu/foodsci

From: Giovanni S Alberti <alberti@dima.unige.it>
Subject: Postdoctoral position in Genoa on Inverse Problems for PDE
Date: Tuesday, January 22, 2019

it is a pleasure to announce the call for a Postdoctoral Researcher at the Department of Mathematics of the University of Genoa on Inverse Problems for PDE. Prospective candidates are expected to be familiar with inverse problems, PDE or applied harmonic analysis. Experience with machine learning is considered a strong plus.

The start of the position is planned in April 2019 (or shortly thereafter), and the duration of the contract is 1+1 years (initially one year, and then renewable).

The formal details of the position are here, while the scientific aspects are detailed here on page 2. The application is online, and I'd appreciate it if you dropped me a line saying you've applied. The deadline is 20/02/2019.

Please do not hesitate to get in touch with me should you have any questions.

Best wishes
Giovanni

Submitted by: Giovanni S. Alberti
Department of Mathematics, University of Genoa
www.dima.unige.it/~alberti/   +390103536913
Associate editor of Inverse Problems in Science and Engineering
New book! Lectures on elliptic methods for hybrid inverse problems

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From: "noreply@iopscience.org" <noreply@iopscience.org>
Subject: Inverse Problems, Volume 35, Number 2, February 2019
Date: Monday, January 14, 2019 at 1:08 PM

Inverse Problems February 2019 Volume 35, Number 2
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Special Issue Papers:

Papers:

Variational source condition for ill-posed backward nonlinear Maxwell’s equations
De-Han Chen and Irwin Yousept

Helmholtz decomposition of the neuronal current for the ellipsoidal head model
Parham Hashemzadeh and Athanassios S Fokas

Simultaneous-shot inversion for PDE-constrained optimization problems with missing data
Michelle Liu, Rajiv Kumar, Eldad Haber and Aleksandr Aravkin

Revealing cracks inside conductive bodies by electric surface measurements
Andreas Hauptmann, Masaru Ikehata, Hiromichi Itou and Samuli Siltanen

A hybrid reconstruction approach for absorption coefficient by fluorescence photoacoustic tomography
Chao Wang and Tie Zhou

A method for quantitative imaging of electrical properties of human tissues from only amplitude electromagnetic data
Martina T Bevacqua, Gennaro G Bellizzi, Lorenzo Crocco and Tommaso Isernia

A non-iterative approach to inverse elastic scattering by unbounded rigid rough surfaces
Guanghui Hu, Xiaoli Liu, Bo Zhang and Haiwen Zhang

Deep null space learning for inverse problems: convergence analysis and rates
Johannes Schwab, Stephan Antholzer and Markus Haltmeier

https://iopscience.iop.org/issue/0266-5611/35/2

From: Romas Baronas <romas.baronas@mif.vu.lt>
Subject: Table of Contents, Nonlinear Analysis: Modelling and Control 24:2
Date: January 31, 2019

Nonlinear Analysis: Modelling and Control 2019 Volume 24, Number 2, 2019
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Global dynamics of a fourth-order parabolic equation describing crystal surface growth
Ning Duan, Xianyun Xu

Approximate solutions for solving nonlinear variable-order fractional Riccati differential equations
Eid H. Doha, Mohamed A. Abdelkawy, Ahmed Z.M. Amin, Dumitru Baleanu

Hilfer fractional evolution hemivariational inequalities with nonlocal initial conditions and optimal controls
Yatian Pei, Yong-Kui Chang

Positive solutions of higher order fractional integral boundary value problem with a parameter
Xinan Hao, Luyao Zhang, Lishan Liu

Stability analysis of fractional differential equations with unknown parameters
Mehmet Emir Koksal

Normal form of double-Hopf singularity with 1:1 resonance for delayed differential equations
Xiaoqin P. Wu, Liancheng Wang

On Fučík type spectrum for problem with integral nonlocal boundary condition
Natalija Sergejeva, Sigita Pečiulytė

A nonlinear control system with a Hilfer derivative and its optimization
Rafał Kamocki

Randomly stopped minima and maxima with exponential-type distributions
Olena Ragulina, Jonas Šiaulys

https://www.mii.lt/NA/
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