IPNet Digest Volume 27, Number 07 June 18, 2020

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: Kaltenbacher, Barbara <Barbara.Kaltenbacher@aau.at>
Subject: Job announcement at the University of Klagenfurt, Austria
Date: May 28, 2020

Dear colleagues,

I am happy to announce that the Austrian Science Fund (FWF) has granted the doc.funds doctoral school Modeling - Analysis - Optimization of discrete, continuous, and stochastic systems:
https://urldefense.com/v3/__http://www.math.aau.at/doctoralschool__;!!HXCxUKc!m1QMQ-lDnOgycs0b5tlF4jtAtd26AyJVg1LHkuajZ5EzzdTpIje7qrKwfAR69iZINvivDJI$

For this doctoral school we announce 12 doctoral positions - the announcement can be found at
https://urldefense.com/v3/__https://www.aau.at/wp-content/uploads/2020/05/324-20_12_A-Text_Senior-Scientist-Dokt.stellen-doc.funds_glob_FWF_STAT.pdf__;!!HXCxUKc!m1QMQ-lDnOgycs0b5tlF4jtAtd26AyJVg1LHkuajZ5EzzdTpIje7qrKwfAR69iZI4lNcakA$

So if you know any potential candidates, we would be very pleased if you could forward this announcement to them or if you could recommend them to us.

Thank you very much and best wishes,
Barbara Kaltenbacher

From: "Zhang, Ruming (IANM)" <ruming.zhang@kit.edu>
Subject: Job offer for publication
Date: Thursday, June 4, 2020

Doctoral Researcher (f/m/d) in Applied Mathematics, 75% "High order numerical methods for acoustic scattering problems with locally perturbed periodic structures"

Job description

The project is funded by the German Research Foundation (DFG), starts on October 01, 2020. The aim of this project is to design high order numerical methods to simulate time-harmonic acoustic scattering problems, which are modelled by Helmholtz equations, in three-dimensional spaces. Numerical analysis and numerical experiments will be carried out to investigate both the convergence and efficiency of the newly proposed numerical methods.

We seek for an ambitious doctoral researcher with strong interest in the numerical methods for partial differential equations. The position is to be started on October 01, 2020. You will have the opportunity to attend conferences, workshops and summer schools. Engagement in teaching is encouraged.

The doctoral researcher will be integrated into the Collaborative Research Center (CRC) 1173 “Wave Phenomena” (waves.kit.edu). The CRC provides an inspiring, attractive, interdisciplinary, and internationally recognized scientific environment with access to excellent facilities of the KIT, a wide scope of advanced training options within our integrated research training group, and flexible working time models. The CRC aims at the implementation of equal opportunities; it promotes diversity and supports persons with childcare or eldercare responsibilities as well as persons with disabilities. Funds for travel and guests are available through the CRC.

Personal qualification

The following qualifications are required:

· Excellent Master or an equivalent degree in Applied Mathematics
· Strong background in numerical methods for partial differential equations
· Very good knowledge of programming (MATLAB, C++, ...)
· If possible, basic knowledge of parallel computing
· We expect excellent writing and oral communication skills in English along with the ability to work independently within an international team.
· Applications should include a cover letter, a curriculum vitae,
· a statement of research interest, contact information for two referees, and copies of degree certificate(s)

Salary
Salary category E13, depending on the fulfillment of professional and personal requirements.

Organizational unit
Institute for Applied and Numerical Mathematics (IANM)

Starting date
01.10.2020

Contract duration
limited to three years

Application up to
30.06.2020

Contact person in line-management
For further information, please contact Dr. Ruming Zhang, email: ruming.zhang@kit.edu, or Ms. Laurette Lauffer, email: laurette.lauffer@kit.edu

Application
Please apply online using the following link:
http://www.pse.kit.edu/karriere/joboffer.php?id=34389&language=en

Personnel Support is provided by
Ms Brückner Telefon: +49 721 608-42016,
Kaiserstr. 12, 76131 Karlsruhe

We prefer to balance the number of employees (f/m/d). Therefore we kindly ask female applicants to apply for this job.

If qualified, severely disabled persons will be preferred.

Submitted by: Ruming Zhang

From: CMIH admin <cmihadmn@hermes.cam.ac.uk> on behalf of CMIH Admin <cmih@maths.cam.ac.uk>
Subject: Postdoc position in Data Science for Healthcare at Cambridge University
Date: June 12, 2020

I am writing on behalf of Professor Carola Schönlieb to invite applications for a Post Doctoral Research Associate to work in the EPSRC Cambridge Mathematics of Information in Healthcare Hub (CMIH) at the University of Cambridge.

The Hub is a collaboration between mathematics, statistics, computer science, medicine, and clinicians, and aims to develop rigorous and clinically practical algorithms for analysing healthcare data for personalised diagnosis and treatment as well as target identification and validation at the population level. Furthermore, this will focus on some of the most challenging public health problems, namely: cancer, cardiovascular disease, and dementia.

Applicants must have (or be about to receive) a PhD degree in mathematics or statistics (or a closely related discipline). The ideal candidate will be experienced in one or more of the following areas: statistical shape analysis, functional data analysis, longitudinal data analysis, machine learning, inverse problems, computational analysis, optimisation and/or data science. Experience in parallel computing and C programming skills are desirable.

The closing date for applications is 12th July 2020.

Informal enquiries can be made to: LE23160@maths.cam.ac.uk

For further information and application instructions please visit
http://www.jobs.cam.ac.uk/job/25962/

Many thanks, Josh

Submitted by:
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From: "alerts@tandfonline.com" <alerts@tandfonline.com>
Subject: Inverse Problems in Science and Engineering, Volume 28, Issue 6, June 2020 is now available online on Taylor & Francis Online
Date: May 28, 2020
Inverse Problems in Science and Engineering June 2020 Volume 28, Issue 6, June 2020

Table of Contents

https://www.tandfonline.com/toc/gipe20/28/6

From: "noreply@iopscience.org" <noreply@iopscience.org>
Subject: Inverse Problems, Volume 36, Number 6, June 2020
Date: June 18, 2020

Inverse Problems June 2020 Volume 36, Number 6

Table of Contents

Local solvability of an inverse problem to the Navier–Stokes equation with memory term
Yu Jiang, Jishan Fan, Sei Nagayasu and Gen Nakamura

A dual approach to Kohn–Vogelius regularization applied to data completion problem
Fabien Caubet and Jérémi Dardé

Limiting boundary correctors for periodic microstructures and inverse homogenization series
Fioralba Cakoni, Shari Moskow and Tayler Pangburn

Direct algorithm for reconstructing small absorbers in thermoacoustic tomography problem from a single data
Hanin Al Jebawy and Abdellatif El Badia

The inverse problem of reconstructing reaction–diffusion systems
Barbara Kaltenbacher and William Rundell

Bayesian approach to inverse time-harmonic acoustic scattering with phaseless far-field data
Zhipeng Yang, Xinping Gui, Ju Ming and Guanghui Hu

https://iopscience.iop.org/issue/0266-5611/36/6
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