Today's Topics:
     Conference Postponed: Analysis, Inverse Problems and Applications, IIT
Madras, Chennai
     Special Meeting Section: Mathematical Signal and Image Processing, GAMM
     Moved Online: International Symposium on Theoretical Electrical Engineering
     Postdoc: Inverse Wave Scattering and Imaging Problems, UC Merced
     Postdoc: Inverse Problems Governed by PDEs Using Deep Learning Techniques,
BCAM

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

Information about IPNet:
     https://ipnet.math.msu.edu/

From: Radha R <radharam@iitm.ac.in>
Date: Wednesday, February 16, 2022
Subject: Conference announcement

Dear Professor,
The conference
"Analysis, inverse problems and applications"
is postponed to July 18-21, 2022 due to strict covid rules in IIT Madras,
Chennai.

Updated brochure:

https://math.iitm.ac.in/uploaded/Brochure-ICAIPA2022.pdf

Thanks and Regards
R.Radha

From: Robert Beinert mailto:robert.beinert@tu-berlin.de [via NADIGEST]
Date: February 11, 2022
Subject: GAMM Annual Meeting, Germany, Aug 2022

The GAMM 92nd Annual Meeting will be held at the RWTH Aachen
University, Germany, August 15-19, 2022. The abstract submission for
section S21 'Mathematical Signal and Image Processing' is now open.
The topical speakers of the section are

- Kristian Bredies (University of Graz)
- Christoph Schnorr (University of Heidelberg)

Over the last decades mathematics has become the cornerstone in signal and image processing ranging from various methods for signal reconstruction to modelling of imaging modalities over its classical disciplines compression, denoising, segmentation, and registration to feature extraction. The used methodologies include such diverse fields as harmonic analysis, inverse problems, variational analysis, mathematical statistics, partial differential equations, optimization, approximation theory and sampling theory.

The aim of this section is to gather scientists working on the theory and applications of mathematical signal and image processing in order to present their research, exchange ideas, and start new collaborations.

– Opening of online registration/abstract submission: February 1, 2022
– Closure of early online registration (Early fee): June 10, 2022
– Closure of online registration: July 31, 2022

Further information about the conference are available at https://urldefense.com/v3/__https://jahrestagung.gamm-ev.de__;!!HXCxUKc!hT7ZfwZ-RC1Q-nRea_i35TSD1LRbQ4fw-jgWXd9WqwfpQkCIN0PuwQuUeNgMvPNV$.

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From: International Symposium on Theoretical Electrical Engineering <istet@zut.edu.pl>
Date: Friday, February 4, 2022
Subject: XXI International Symposium on Theoretical Electrical Engineering, ISTET 2022, June 28th–30th, 2022

Dear colleagues and members of the scientific community,

We are pleased to announce that the XXI International Symposium on Theoretical Electrical Engineering ISTET 2022 will be held on June 28th–30th , 2022 in Szczecin, Poland. Due to the epidemiological situation of COVID-19, the Organizing Committee decided that the conference would be HELD ONLINE.

The 21st edition of ISTET conference will be organized under the auspices of the Faculty of Electrical Engineering of the West Pomeranian University of Technology, Szczecin. The ISTET symposium series is devoted to research and education in theory and applications of electromagnetic fields, electrical and electronic circuits, signal processing, and the design and control of electromagnetic systems.

We invite scientific community members in universities, research centers, and industry to attend the conference and present their recent achievements.

Important dates:

April 30th, 2022   – one-page abstract submission deadline
May 15th, 2022   – notification of acceptance

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May 10th — 31st, 2022          — early bird registration
after May 31st, 2022            — late registration
June 28th — 30th, 2022         — ISTET 2022 conference
August 31st, 2022                — full papers submission deadline
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The ISTET 2022 conference early bird registration fee is:

- 150 EUR — regular
- 100 EUR — student

The late registration fee is:

- 199 EUR — regular
- 149 EUR — student

Authors of accepted and presented papers will be invited to submit a full paper considered for publication in the COMPEL journal (IF= 0.755). The list of journals will be expanded.

More information about the conference (information for authors, submission, and registration details) will be provided soon on the ISTET'22 webpage http://istet.zut.edu.pl/

We look forward to meeting all of You at the ISTET 2022.

Tomasz Chady (Chairman of the Organizing Committee) Przemyslaw Lopato, (Vice—Chairman of the Organizing Committee)

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From: Chrysoula Tsogka <ctsogka@ucmerced.edu>
Date: Monday, January 31, 2022
Subject: Postdoc Position in Inverse wave scattering and imaging problems, UC Merced

Dear All,

The group of Professor Tsogka invites applications for one Postdoctoral Research Associate position in Inverse wave scattering and imaging problems with an appointment beginning no later than Fall 2022. The successful candidate will work in Professor Tsogka's research group and will be part of the imaging and sensing SMaRT team in the Applied Mathematics department at UC Merced.

Further details, essential criteria, and details about how to apply can be found at :
https://aprecruit.ucmerced.edu/JPF01243

Thank you and please forward the email to anyone who may be interested,

Chrysoula Tsogka

Basque Center for Applied Mathematics - BCAM is offering a
Postdoctoral position in the framework of Ikur strategy promoted by
the Education Department of the Basque Government to boost the
Scientific Research in specific strategical areas and to position them
at international level.

The selected candidate will work on solving Partial Differential
Equations (PDEs) and Inverse problems governed by PDEs using Deep
Learning (DL) techniques. He/she will develop methods for solving
these problems, implement them in Tensorflow and/or Pytorch, evaluate
the results, and publish them in top-ranked journals. Based on the
candidate's experience and skills, his/her scientific developments
will be more focused on his/her previous expertise.

He/she will be immersed in a group with experience on all these
topics, as well as in specific industrial applications, mainly in the
area of geophysics and renewable energies. Thus, the selected
candidate will be assisted by other professors and postdoctoral
fellows with experience in the area. He/she will work within a
collaboration program between the Basque Center for Applied
Mathematics (BCAM) and the technological center Tecnalia, also with
the participation of other research centers and universities located
within the Basque Country.

Contract: 12 months contract, with a possibility of renewal for 12
additional months based on performance and available funds; Deadline:
28 February 2022; Applications:
https://urldefense.com/v3/__http://www.bcamath.org/en/research/job/ic2022-01-
postdoctoral-fellowship-in-deep-data-driven-ikur__;!!HXCxUKc!hT7ZfwZ-RC1Q-
nRea_i35TSD1LRbQ4fw-jgWXd9WqwfpQkCIN0PuwQuUeAPtsxBE$

Requirements: Applicants must have their PhD completed before the
contract starts Skills: Good interpersonal skills. A proven track
record in quality research, as evidenced by research publications in
top scientific journals and conferences. Demonstrated ability to work
independently and as part of a collaborative research team. Ability
to present and publish research outcomes in spoken (talks) and written
(papers) form. Ability to effectively communicate and present
research ideas to researchers and stakeholders with different
backgrounds. Fluency in spoken and written English

The preferred candidate will have: Strong background in the numerical
solution of Partial Differential Equations and/or Deep Learning
techniques. Background in Inverse Problems. Good programming skills
in Python and preferably, also Tensorflow. Interest and disposition

to work in interdisciplinary groups.
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