IPNet Digest Volume 27, Number 10 September 5, 2020 Today's Editor: Patricia (Patti) K. Lamm, Michigan State University Today's Topics: New Season: One World IMAGing and INvErse Problems (IMAGINE) Seminar Series Call for Research Participation: Data Science Applications to Inverse, Optimization Problems Call for Papers: Special Issue on Optimization Methods in Inverse Problems, Applications Postdoc Positions: SKEMA Business School in Artificial Intelligence and Data Science Submissions for IPNet Digest: Mail to ipnet-digest@math.msu.edu Information about IPNet: http://ipnet.math.msu.edu From: "College of Science, CityU" <cscievent@cityu.edu.hk> Date: September 2, 2020 Subject: One World IMAGing and INvErse problems (IMAGINE) seminar series Dear colleagues, We hope you are all well and that despite the circumstances you enjoyed the summer break. The new season of the One World IMAGing and INvErse problems (IMAGINE) seminar series will start on Wednesday September 9 at 4pm CEST with a talk by Rachel Ward (UT Austin, USA). As usual, we will send out the Zoom link to use to connect few days before the event to all the registered participants. For more details and updates, we invite you to check regularly our website https://sites.google.com/view/oneworldimagine We look forward to see you next Wednesday! Best wishes, Eric Bonnetier Luca Calatroni Raymond Chan Fadil Santosa Carola-Bibiane Schönlieb

From: Xiaodong Luo <xluo@norceresearch.no>

Date: Monday, August 17, 2020 at 5:31 AM Subject: Call for participation

Call for participation in the research topic "Data Science Applications to Inverse and Optimization Problems in Earth Science"

Dear colleagues, friends:

Good day. Hope this email finds you all well, and sorry for the cross-posting.

In collaboration with the journal "Frontiers in Applied Mathematics and Statistics", we are organizing a research topic on "Data Science Applications to Inverse and Optimization Problems in Earth Science".

The editor team consists of the following researchers:

• Dr. Alexandre Anozé Emerick, Petrobras, Rio de Janeiro, Brazil

• Prof. Behnam Jafarpour, University of Southern California, Los Angeles, United States

• Dr. Olwijn Leeuwenburgh, Netherlands Organisation for Applied Scientific Research, Amsterdam, Netherlands

• Dr. Xiaodong Luo, Norwegian Research Institute (NORCE), Bergen, Norway

• Prof. Dongxiao Zhang, Southern University of Science and Technology, Shenzhen, China

We would like to welcome your contributions, which should be submitted through the following website:

https://www.frontiersin.org/research-topics/15751/data-science-applications-to-inverseand-optimization-problems-in-earth-science

The submission deadline is 28 February 2021.

Can you please forward this message to anyone who might be interested?

Thank you for your help!

Kind regards,

Xiaodong Luo, on behalf of the editor team

Submitted by: Xiaodong Luo PhD, Senior Research Scientist Phone: +47 482 22 859 | Email: xluo@norceresearch.no Address: Nygårdsgaten 112, 5008 Bergen, Norway NORCE Norwegian Research Centre AS norceresearch.no

From: LA TORRE Davide <davide.latorre@skema.edu> Date: Sunday, August 16, 2020 Subject: Call for papers - Special issue on Optimization Methods in Inverse Problems and Application to Science and Engineering

Special issue on Optimization Methods in Inverse Problems and Application to Science and Engineering

Guest Editors: H. Kunze (University of Guelph, Canada), D. La Torre (SKEMA Business School, France), M. Ruiz-Galan (University of Granada, Spain)

Deadline for submissions: October 31, 2020 1st round of review - comments to authors: January 31, 2021 Revision deadline: March 15, 2021 Submission of final version: April 30, 2021

This special issue aims at bringing together articles that discuss recent advances of optimization methods and algorithms in inverse problems and application to science and engineering. A typical inverse problem seeks to find a mathematical model that admits given observational data as an approximate solution. This sort of question is of great interest in many application areas, including biomedical engineering and imaging, remote sensing and seismic imaging, astronomy, oceanography, atmospheric sciences and meteorology, chemical engineering and material sciences, computer vision and image processing, ecology, economics, environmental systems, physical systems. Very often an inverse problem appears in the form of a parameter estimation problem, it can be formulated as an optimization model, and then solved using different optimization algorithms and techniques. All papers included in this special issue will consider aspects of numerical analysis, mathematical modeling, and computational methods. Potential topics include but are not limited to the following:

Inverse Problems Algorithms

Inverse Problems for Ordinary and Differential Equations

Inverse Problems using Nonsmooth Optimization

Inverse Problems using Multicriteria Optimization

Fractal-based Inverse Problems

Shape Optimization

Inverse Optimization

Inverse Problems in Image Analysis

Regularization Techniques

Submission Procedure: Please submit to the Optimization and Engineering (OPTE) journal at https://www.springer.com/mathematics/journal/11081 and select special issue "SI: Inverse problems 2020". All submissions must be original and may not be under review by another publication. Interested authors should consult the journal's "Instructions for Authors", at http://www.springer.com/ mathematics/journal/11081. All submitted papers will be reviewed on a peer review basis as soon as they are received. Accepted papers will become immediately available at Online First until the complete Special Issue appears. ------From: LA TORRE Davide <davide.latorre@skema.edu> Date: Sunday, August 16, 2020 Subject: Post Doc job offers at SKEMA Business School in Artificial Intelligence and Data Science Dear Colleague, At SKEMA Business School we have created an AI Institute and will conduct research in various segments of AI over the next 5 years. We would like to share with you our invitation to submit applications for 2 postdoc positions in France starting in October. Interested parties will find the detail of the offers at the following URLs: Profile A https://recrutement.skema.edu/?page=advertisement display&id=533 Profile B https://recrutement.skema.edu/?page=advertisement_display&id=535 The conditions include 3 year renewable contracts and will be based in Sophia Antipolis, on the French Riviera. Best regards Davide La Torre Submitted by: Dr. Davide La Torre, PhD Full Professor of Artificial Intelligence and Quantitative Methods Professeur Titulaire d'Intelligence Artificielle et Méthodes Quantitatives Director of the SKEMA Artificial Intelligence Institute Head of the Programme Grande Ecole Track in Artificial Intelligence for Managers Head of the Programme Grande Ecole Track in Finance and Quants PRISM Research Center, SKEMA Business School and Université Côte d'Azur Sophia Antipolis Campus, 60 rue Dostoievski, CS30085, 06902 SOPHIA ANTIPOLIS CEDEX, France Email: davide.latorre@skema.edu Office: +33 (0)4 93 95 44 83 https://scholar.google.it/citations?user=rTwiT3gAAAAJ&hl=fr https://www2.scopus.com/authid/detail.uri?origin=resultslist&authorId=6603700213&zone=

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https://www.researchgate.net/profile/Davide_La_Torre
www.linkedin.com/in/davidelatorre1974
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