

Lettre Mode, Décembre 2019

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Envoyez vos contributions en format simple texte en remplissant le formulaire à l'adresse suivante :

<http://www.lettremode.ovh>,

ou par mail à l'adresse suivante :

contact@lettremode.ovh. Prière d'indiquer "pour la lettre MODE" dans l'objet du mail.

Site officiel et twitter SMAI-MODE

<http://smi.emath.fr/spip.php?article330>

https://twitter.com/smai_mode

1) Assistant Professor in Optimization (tenure track), Maastricht

De : Michel Thera

Lien : <https://www.academictransfer.com/en/287137/assistant-professor-in-optimization-tenure-track/>

We are searching for a new colleague in the area of Optimization. Next to being embedded in our department at Maastricht University, where you will contribute to ongoing research and education, our new colleague can increase their research impact via a joint industry position.

2) Postdoc and PhD positions in Münster and Vienna

De : Michel Thera

Lien : <http://cvgmt.sns.it/position/443/>

Deadline: Sunday, Dec 15, 2019

The Research Group on Calculus of Variations of the Institute for Applied Mathematics at the University of Münster and the Research Group on Applied Mathematics and Modeling of the Faculty of Mathematics at the University of Vienna invite applications for

one Postdoc and two PhD-student positions

starting in April 2020 or as soon as possible thereafter. The Postdoc appointment is for two years and the PhD-student positions are for three years. Positions are either based in Münster or in Vienna and mobility between the two institutions will be favored. Appointments involve no teaching duties.

The appointments are funded by the joint international DFG-FWF grant /Variational Modeling of Molecular Geometries/ and will focus on the analysis, geometry, and mechanics of discrete systems. Applicants for the Postdoc and PhD student positions must have or be close to obtain a PhD or a Master, respectively, in Mathematical Sciences. A strong background in discrete mathematics, calculus of variations, or applied analysis is required.

Candidates are requested to e-mail their application including a detailed CV as a single pdf file to appl.math@univie.ac.at and to indicate names and full contact addresses of two references (no letters required).

Applications will be assessed continuously, until positions are filled. *A first evaluation round will start on December 15, 2019.*

Informal enquiries to appl.math@univie.ac.at

call file: https://www.univie.ac.at/appliedmath/public/job_openings/calls/2019-11-21_Post-doc_and_PhD_call.pdf

3) Research fellow / Assistant professor in Optimization for Machine Learning

De : Michel Thera

LINKÖPING UNIVERSITY (LiU)

hereby advertises a position as

Research fellow/Assistant professor in Optimization for Machine Learning
at the Division of Optimization of the Department of Mathematics.

The application deadline is December 9, 2019. Starting date: by
agreement.

The major task for this position is fundamental research in the area
of mathematical optimization theory and novel techniques for machine
learning. Examples of research topics are: sparse optimization,
saddle point search, multi-objective learning, and stochastic
quasi-Newton methods. Although the expertise should primarily be in
optimization, the applicant should ideally also have experience in
machine learning. Duties include research, teaching, supervision and
some administrative duties. The position is for 5 years, of which 80% is
for research and 20% for pedagogical qualification/teaching.

The financing of the position, established through WASP (Wallenberg AI,
Autonomous Systems and Software Program, <https://wasp-sweden.org>),
includes support for not only the position holder's own salary, but also
a research group with two postdocs (2 years each) and one PhD student
(4 years).

Being a researcher at LiU will allow you to choose living on the
countryside while commuting to work in only 15 min. Furthermore,
working at LiU, you will own your entire research results and
Intellectual Property Rights yourself, enabling own startups and
other commercial activities that are even supported by the university.

For further details, including how to apply, see:

https://web103.reachmee.com/ext/I011/853/job?site=7&lang=UK&validator=d7a66c13be778ef950c393a904293789&ref=https%3A%2F%2Fliu.se%2Fen%2Fwork-at-liu&ihelper=https%3A%2F%2Fliu.se%2Fen%2Fwork-at-liu%2Fvacancies&job_id=12518

We look forward to receiving your application!

4) Two-year postdoctoral position, Czech Academy of Sciences

De : Michel Thera

Lien : <http://cvgmt.sns.it/position/448/>

two-year postdoctoral position

<http://cvgmt.sns.it/position/448/>

Deadline: Tuesday, Dec 31, 2019

The Institute of Information Theory and Automation, Czech Academy of Sciences (<http://www.utia.cas.cz/>) invites applications for a two-year postdoctoral position in the Department of Decision-Making Theory (with a possibility of a tenure-track) ideally beginning in February 2020.

Most of departmental research activities belong to the area of applied mathematics, the focus is on theoretical problems as well as problems connected with implementations of methods in the following areas:

- mathematical optimization
- nonsmooth analysis
- partial differential equations
- variational calculus
- probabilistic models of decision support systems
- conditional independence structures
- artificial intelligence
- mathematical fuzzy logic

Candidates are expected to work in one of the above mentioned or closely-related areas and to have a strong record of, or outstanding potential for, significant research. In particular, candidates working in the last four listed areas are strongly encouraged to apply. Moreover, experience in obtaining third-party funds is advantageous. The institute offers a monthly salary of CZK 40 000 (about 1 570 EURO) and yearly benefits supporting e.g. recreational, and sport activities, as well as health care programs. For full consideration, complete applications must be received by December 31, 2019, but applications will be accepted until the position is filled.

In case of interest, please, send your application by email to the head of the department, Martin Kružík, at kruzik@utia.cas.cz. The application should be a single PDF file and include a CV, a research statement, and a copy of the PhD diploma. Two letters of recommendation should be sent separately by their authors to the e-mail address given above. For further information see <http://www.utia.cas.cz/mtr>.

utia-postdoc position: <http://www.utia.cas.cz/mtr>

5) 14th International Conference on Automatic Control and Soft Computing - CONTROLLO 2020

De : Olivier Cots
Lien : controlo2020.ipb.pt/

The organizing committee is pleased to invite you to participate in the 14th APCA International Conference on Automatic Control and Soft Computing (CONTROLLO 2020), to

be held in Bragança, Portugal, from 1 to 3 of July 2020.

Plenary Speakers

This year we are delighted to announce, as plenary speakers, a palette of five influential personalities in the automatic control systems design area. Their pioneer work has lay the foundations of the research ground that many of us is now following.

Scope

The International Conference on Automatic Control and Soft Computing (CONTROLO) aims to bring together scientists, researchers and engineers in order to promote knowledge sharing and research dissemination across all quadrants of control engineering.

Important Dates

Submission	February 01, 2020
Notification	April 01, 2020
Registration (early)	April 15, 2020
Camera Ready	April 15, 2020
Registration (limit)	May 02, 2020
Conference	July 01, 2020

6) Annonces de séminaires

Une rubrique pour signaler quelques liens pour les séminaires ayant lieu ce mois-ci et organisés dans nos laboratoires.

N'hésitez pas à l'alimenter, préférentiellement via un lien vers la page du séminaire.

Pour cela, envoyez un mail à l'adresse contact@lettremode.ovh.

- Séminaire Parisien d'Optimisation (IHP)
<https://sites.google.com/site/spoihp/>
- Séminaire du programme PGM0
<https://www.fondation-hadamard.fr/fr/pgmo-seminars/seminars>
- Groupe de Travail CalVa de Calcul de Variations (suivant les séances (lieu : voir site) :
<https://www.ljll.math.upmc.fr/fr/seminaires/article/gdt-calcul-des-variations>
- Groupe de Travail Analyse Non-linéaire et EDP (ENS et UPMC)
http://www.math.ens.fr/-Seminaires-?id_seminaire=14
- Séminaire Pluridisciplinaire d'Optimisation de Toulouse (lieu : voir site)
<http://projects.laas.fr/spot/>
- Séminaire SAMOCOD (séminaire Avignon Montpellier Optimisation Contrôle et Dynamique)
http://www.i3m.univ-montp2.fr/index.php?option=com_content&view=article&id=59&catid=19&sem=618

- Séminaire hebdomadaire de l'équipe MOD de l'Université de Limoges
<https://indico.math.cnrs.fr/categoryDisplay.py?categId=36>
- Séminaire Parisien de Théorie des Jeux (IHP, salle 05, 201 ou 314)
<https://sites.google.com/site/theoriesdesjeux/>
- Séminaire de Mathématiques Discrètes, Optimisation et Décision, Centre d'Economie de la Sorbonne et Université Paris 1
<http://ces.univ-paris1.fr/membre/seminaire/MDOD/>
- Séminaire de géométrie sous-riemannienne - IHP
<http://webusers.imj-prg.fr/~davide.barilari/seminar.php>
- Séminaire de l'équipe Statistique, Probabilités, Optimisation et Contrôle (SPOC) - IMB
<https://math.u-bourgogne.fr/spip.php?page=seminairespoc>

7) Conference Optimization, Differential Equations, and Data Analysis, USA, Jan 2020

De : Didier Aussel

Lien : <http://ccom.ucsd.edu/~rtg20>

Optimization, Differential Equations, and Data Analysis, USA, Jan 2020

The Center for Computational Mathematics in the Department of Mathematics at the University of California, San Diego (UCSD), La Jolla, California will host a two-day Winter Workshop on Topics in Optimization, Differential Equations, and Data Analysis, Saturday January 18-Sunday January 19, 2020.

The workshop will feature a series of expository talks by UCSD faculty and postdocs on topics that will include optimization methods, numerical methods for solving differential equations, computational mechanics and data analysis.

The workshop is intended for both undergraduate and graduate students. Grant funding is available for travel and lodging for US citizens, permanent residents, and nationals. Underrepresented minorities and women are particularly encouraged to register for the workshop. There will be no registration fee. For more information and registration, please contact Elizabeth Cuevas at ecuevas@ucsd.edu, or visit our website at: <http://ccom.ucsd.edu/~rtg20>.

8) IFIP TC7 Conference on System Modelling and Optimization, Quito, 31/8--4/9

De : Filippo Santambrogio
Lien : https://modemat.epn.edu.ec/ifip_tc7_2020/

The IFIP TC7 Conference on System Modelling and Optimization will be held from August 31st to September 4th 2020 in Quito. See the important dates:

https://modemat.epn.edu.ec/ifip_tc7_2020/important_dates

In particular the organizers are looking for minisymposia applications.

9) Journées SMAI-MODE - Appel à communication

De : Hasnaa Zidani
Lien : <https://smai-mode2020.inria.fr>

Appel à communication (Report date limite pour les soumissions: 12 janvier 2020)

Les prochaines journées MODE de la société de mathématiques appliquées industrielles (SMAI) auront lieu du 25 au 27 mars 2020 à Palaiseau sur le site de EDF-Lab Paris-Saclay.

Cette manifestation, qui a lieu tous les deux ans, permet de rassembler de nombreux chercheurs (jeunes et seniors) et d'échanger sur les avancées récentes dans les domaines académiques et industriels autour de l'optimisation et de l'aide à la décision.

La conférence comportera 6 conférences plénières (dont celle du lauréat du prix Jean-Jacques Moreau), des présentations orales ainsi que des présentations murales (poster).

En partenariat avec le GDR MOA, un mini-cours sera organisé les 23-24 mars 2020, sur le thème: "Problèmes d'optimisation à plusieurs joueurs et notions d'équilibre".

Les journées MODE sont aussi l'occasion de décerner le prix DODU au(x) meilleur(s) exposé(s) des jeunes chercheurs (sponsorisé par EDF R&D, Orange et Thales, dans le cadre du PGMO).

Un prix sera aussi décerné au(x) meilleur (s) poster(s) (prix du groupe SMAI-MODE).

Ouverture des soumissions: 15 novembre 2019
Fin des soumissions: 15 décembre 2019 (report au 12 janvier 2020)
Ouverture des inscriptions: 1er décembre 2019

Plus de détails sur le site Web: <https://smai-mode2020.inria.fr>

10) Optimization 2020, July 27-29, 2020, University of Aveiro, Portugal

De : Michel Thera

Lien : <https://optimization2020.web.ua.pt/submission.html>

Optimization 2020 is the tenth edition of a series of Optimization international conferences held every three or four years, in Portugal.

This meeting will be held in the University of Aveiro, July 27-29, 2020 and aims to bring together researchers and practitioners with common interests in optimization.

This conference series has international recognition and is being organized under the auspices of APDIO (the Portuguese Operations Research Society).

Confirmed plenary speakers:

Regina Burachik | University of South Australia

Jacques Desrosiers | HEC Montréal

Mirjam Dürl | University of Augsburg

Ivana Ljubic | ESSEC Business School of Paris

Melvyn Sim | National University of Singapore

Marc Teboulle | Tel Aviv University

Abstract submission deadline: 30 April 2020

<https://optimization2020.web.ua.pt/submission.html>

For additional information: <https://optimization2020.web.ua.pt/>

We look forward to meeting you in Optimization 2020,
Luis Gouveia and Agostinho Agra

11) POEMA Learning Week and Workshop on Polynomial Optimization, Konstanz,
23.3.-3.4.2020

De : Michel Thera

Lien : <http://poema-network.eu/index.php/news-and-events/project-workshops/3-poema-learning-week-and-2nd-workshop>

The EU ITN POEMA is happy to announce Learning Week and Workshop on Polynomial Optimization.

Event website:

<http://poema-network.eu/index.php/news-and-events/project-workshops/3-poema-learning-week-and-2nd-workshop>

Learning Week:

Four introductory courses will address different aspects of effective algebra, convex

geometry, and polynomial optimization. The courses will be provided by POEMA members and other high-profile speakers:

Didier Henrion, LAAS CNRS Toulouse
Claus Scheiderer, University of Konstanz
Mihai Putinar, University of California at Santa Barbara
Edouard Pauwels, Paul Sabatier University, Toulouse
Location and date:
University of Konstanz, Germany, March 23-27, 2020

Workshop:

The 2nd POEMA workshop will be dedicated to foundations of polynomial optimization. There will be talks in a broad range of topics by established expert researchers.

Location and date:
University of Konstanz, Germany, March 30-April 3, 2020

Both events are open to all participants interested in polynomial optimization, also participants outside the POEMA network.

There is no registration fee; however, all participants are required to register here:

<http://poema-network.eu/index.php/news-and-events/project-workshops/3-poema-learning-week-and-2nd-workshop/registration>

POEMA (Polynomial Optimization, Efficiency through Moments and Algebra) is funded under the H2020-MSCA-ITN-2018 call and is part of the Marie Skłodowska-Curie Actions – Innovative Training Networks (ITN) funding scheme.

[12\) XXIXth European Workshop in Economic Theory, June 7-9, 2020, Akko, Israel](#)

De : Michel Thera

The XXIXth European Workshop in Economic Theory will take place on June 7-9, 2020 in Akko, Israel, and will be hosted by the Western Galilee College.

We are happy to announce that the Plenary Lecture in Honour of Gerard Debreu will be delivered by Prof. Robert Aumann on June 8th, which coincides with Prof. Aumann's 90th birthday.

The paper submission will be open until March 15, 2020. Papers in any area of Economic Theory are welcome.

If you wish to submit a paper for presentation, please email it in PDF to Ewet2020@wgalil.ac.il.

The website containing all the details will be set up shortly.

We hope to see you in Akko (Acre)!

13) [Mathematical Foundations of Game Theory](#), Laraki, Rida, Renault, Jérôme, Sorin, Sylvain

De : Michel Thera

Lien : <https://www.springer.com/gp/book/9783030266455>

Mathematical Foundations of Game Theory

Authors: Laraki, Rida, Renault, Jérôme, Sorin, Sylvain

Provides a self-contained presentation of the mathematical foundations of Game Theory including recent advances in dynamics and learning

All results are proved in their full generality using tools and concepts defined in the text

Includes 60 exercises, with solutions, which often contain complementary results and alternative proofs

Fin de la lettre MODE
