

Lettre Mode, Novembre / Décembre 2020

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## Inscription et désinscription

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## Contributions

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](mailto: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](https://twitter.com/smai_mode)

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## 1) Annonce Poste MCF 26

De : Piernicola Bettiol

Lien : <http://www.math.univ-brest.fr/>

Annonce Poste MCF 26, Université de Brest

Recrutement d'un Maître de Conférences de mathématiques (CNU 26) à l'Université de Brest.

Le profil du poste : Analyse non linéaire

Date de prise de fonction : 01 septembre 2021.

Est principalement recherché un enseignant-chercheur ayant des compétences dans des domaines concernant la théorie du contrôle, le contrôle optimal (déterministe et stochastique), l'optimisation, la théorie des jeux différentiels, qui sont les thématiques de recherche (avec d'autres thèmes connexes comme le transport optimal et l'analyse numérique) de l'équipe « Analyse, Phénomènes Stochastiques et Applications » du Laboratoire de Mathématiques de Bretagne Atlantique (LMBA), UMR CNRS 6205, de l'Université de Brest.

La personne recrutée aura vocation à intervenir à l'EURIA (EURO Institut d'Actuariat) et dans des enseignements classiques de mathématiques en Licence Mathématiques et MASHS, en Master Mathématiques et Applications, en préparation au CAPES de Mathématiques et en préparation aux Agrégations interne et externe de Mathématiques.

Contact : [piernicola.bettiol@univ-brest.fr](mailto:piernicola.bettiol@univ-brest.fr)

Site du LMBA : <http://www.math.univ-brest.fr/>

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## 2) Assistant Professor in Mathematics, London School of Economics

De : Michel Thera

Lien : <https://tinyurl.com/MathJobLSE2020>

Dr Mathias Staudigl has sent you the following message using e-COST:

\*Department of Mathematics, The London School of Economics and Political Science\*

\*Assistant Professor in Mathematics\*

The Department of Mathematics at LSE seeks to appoint an Assistant Professor. For this post, we are particularly interested in candidates with expertise in a subject area related to the Mathematics of Game Theory. The successful candidate will have an

established track-record or trajectory of research at a level of international excellence, will be able to teach mathematics at undergraduate and postgraduate level and will have a commitment to excellence in teaching. The successful candidate will contribute to the general work of the department, including the teaching of a range of courses. She or he will maintain an active programme of research in mathematics and will have a clear, well developed and viable strategy for future outstanding research. She or he will have a PhD in a mathematical subject (or be close to completing one) by the intended start date of 6 September 2021.

For further information about the post, other benefits that come with this job and shortlisting criteria please see the 'how to apply' document, job description and the person specification which are available at <https://tinyurl.com/MathJobLSE2020>. Salary is competitive with Departments at our peer institutions worldwide and not less than GBP 55,974 pa inclusive. The closing date for receipt of applications is 11 January 2021 (23.59 UK time).

LSE is committed to building a diverse, equitable and truly inclusive university. For this post, we particularly welcome applications by women and ethnic minorities.

Best regards,

COST Association

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3) Chargé de recherche ou Chargée de recherche de classe normale : sur le thème « Contrôle optimal »

De : Olivier Cots

Lien : [https://gestionoffres.dsi.cnrs.fr/fo/offres/detail-fr.php?&offre\\_id=104](https://gestionoffres.dsi.cnrs.fr/fo/offres/detail-fr.php?&offre_id=104)

Le concours

N°41/05 - 1 Chargé de recherche ou Chargée de recherche de classe normale : sur le thème « Contrôle optimal », dont le projet de recherche s'inscrit dans une unité rattachée à l'INS2I à titre principal.

Descriptif du poste

Le candidat ou la candidate doit présenter le programme de recherche de son choix dans la limite du thème scientifique prioritaire mentionné dans l'intitulé du concours ci-dessus.

Le candidat ou la candidate présentera son ou ses projet(s) en se référant à plusieurs laboratoires INS2I dans lesquels son activité pourrait s'inscrire.

Affectations

Le candidat ou la candidate présentera son ou ses projet(s) en se référant à

PLUSIEURS laboratoires dans lesquels son activité pourrait s'inscrire.

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#### 4) Deux postes à l'Université du Chili

De : Francisco José Silva Alvarez

Lien : <https://www.mathjobs.org/jobs/list/16580>

2 postes "tenure track" à pourvoir à l'Université du Chili. Les profils des postes incluent des domaines tels que l'optimisation et l'analyse non-linéaire.

Plus d'informations sur

<https://www.mathjobs.org/jobs/list/16580>

et

<http://www.dim.uchile.cl/mathematical-engineering-department/140611/2-tenure-track-positions-at-dim>

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#### 5) Internships with the Facebook Core Data Science team

De : Rida Laraki

The Core Data Science team at Facebook Research is accepting applications for an intern position in London & Tel Aviv. The team is responsible for research and innovation that fundamentally increase the magnitude of Facebook's success. We work across different teams in the company, helping them through the use of advanced scientific methods.

We are looking for PhD students and postdocs with experience in one or more of the following fields: ML, Statistics, Computation Social Science, CS, Algorithmic Game Theory, Operations Research and adjacent areas. Our internship programme consists of 12-16 weeks of full time paid work. It's a great opportunity to develop your skills and apply theory to real problems and real data. The internships are planned for summer 2021 though there's some flexibility.

Apply here:

London - <https://www.facebook.com/careers/jobs/254100458921776/>

Tel Aviv - <https://www.facebook.com/careers/jobs/360382118322817/>

For questions please feel free to contact me. Please share this opportunity with anyone who may be interested.

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6) Offre de poste en optimisation à l'ENSTA Paris

De : Frédéric Jean

L'ENSTA Paris recrute un enseignant-chercheur en optimisation pour septembre 2021, idéalement un optimiseur avec une orientation machine learning. Le profil recherché est plutôt celui d'un candidat confirmé, de niveau professeur, mais la candidature d'un très bon candidat plus jeune serait tout à fait pertinente.

La fiche de poste est ici:

<https://uma.minisme.fr/poste-optim-uma-ensta-2021.pdf>

La date limite de candidature est le lundi 15 mars 2021.

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7) Tenured Professorship in Optimization, Germany

De : Michel Thera

Lien : <https://www.nature.com/naturecareers/job/tenured-professorship-in-optimization-martin-luther-university-of-hallewittenberg-mlu-731498>

Martin Luther University Halle-Wittenberg in Halle (Saale), Germany is looking to appoint an outstanding individual to a

Tenured Professorship in „Optimization“ (W2 salary),

see <https://www.nature.com/naturecareers/job/tenured-professorship-in-optimization-martin-luther-university-of-hallewittenberg-mlu-731498>

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8) ANITI's Reinforcement Learning Virtual School

De : Olivier Cots

Lien : <https://rlvs.aniti.fr>

We are pleased to announce ANITI's Reinforcement Learning Virtual School, which will last a total of six days: March 25-26, April 1-2, and April 8-9, 2021.

The school will be free and entirely virtual. It will consist of lectures, hands-on sessions, and keynote talks from leading researchers in reinforcement learning and related fields.

Confirmed speakers:

- Donald A. Berry, University of Texas and Rice University
- Marta Garnelo, DeepMind and Imperial College London
- Matthieu Geist, Google Brain Paris

- Tor Lattimore, DeepMind London
- Jean-Baptiste Mouret, INRIA Nancy - Grand Est
- Matteo Pirota, Facebook AI Research
- Doina Precup, McGill University and DeepMind
- Emmanuel Rachelson, ISAE-SUPAERO and ANITI
- Antonin Raffin, German Aerospace Center
- Olivier Sigaud, ISIR, Sorbonne Universités
- Mengdi Wang, Princeton University

Details about the program, the speakers, the target audience, as well as the free but mandatory registration process, are available on our website:

<https://rlvs.aniti.fr>

We look forward to your participation!  
The organizing committee

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## 9) 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](mailto:contact@lettremode.ovh).

- Séminaire Français d'Optimisation  
<https://gdrmoa.math.cnrs.fr/seminaire-francais-optimisation/>
- Séminaire Parisien d'Optimisation (IHP)  
<https://sites.google.com/site/spoihp/>
- Séminaire du programme PGMO  
<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](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](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/agenda/categorie/statistique-probabilites-optimisation-et-controle>

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#### 10) Upcoming Seminar Series: Machine Learning NeEDS Mathematical Optimization

De : Michel Thera

Lien : <https://riseneeds.eu/2020/12/09/upcoming-seminar-series-machine-learning-needs-mathematical-optimization/>

Starting January, in collaboration with CBS and IMUS at Universidad de Sevilla, we have an Online Seminar Series on Machine Learning lined up.

See: <https://riseneeds.eu/2020/12/09/upcoming-seminar-series-machine-learning-needs-mathematical-optimization/>

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#### 11) Workshop on Optimisation, Metric Bounds, Approximation and Transversality (WoMBaT2020)

De : Michel Thera

Lien : <https://wombat.mocao.org>

#### Key Information

The fifth Workshop on Optimisation, Metric Bounds, Approximation and Transversality (WoMBaT2020) is being held online on 30 November–4 December 2020. This year WOMBAT is dedicated to the memory of Prof. Alex Rubinov.

Please visit the Rubinov Memorial Day page for a thank you message from the Rubinov family and photos of St-Petersburg.

### Confirmed Keynotes

Prof. Barney Glover (Vice Chancellor, Western Sydney University)  
- Alex Rubinov memorial session keynote

Dr Daniel Mansfield (UNSW Sydney)

The Forgotten Geometry of Mesopotamia: Revelations from an ancient clay tablet

- Alex Rubinov public lecture (organised by Federation University Australia)

Prof. Asen Dontchev (University of Michigan, USA)

Prof. Claudia Sagastizábal (University of Campinas, Brazil)

Prof. Hong-Kun Xu (Hangzhou Dianzi University, China)

Prof. Didier Henrion (University of Toulouse, France)

### Childcare Support

WOMBAT2020 has received AustMS-WIMSIG Anne Penfold Street Award to support the arrangement of childcare for the participants. If you require such support, please contact Vera Roshchina.

### Organisers

Dr Nadia Sukhorukova, Swinburne University of Technology

Dr Minh Dao, Federation University Australia

Dr Reinier Díaz Millán, Deakin University

Prof. Andrew Eberhard, RMIT University

Prof. Alex Kruger, Federation University Australia

Dr Vera Roshchina, UNSW Sydney

Dr Julien Ugon, Deakin University

### Sponsors

Deakin University

The inscription is now closed (Deadline Nov 15th, 2020):

Please contact the organisers directly if you would like to correct earlier submitted registration details or talk information.

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### 12) In Memoriam - Professor Duan Li

De : Michel Thera

Professor Duan Li, Chair Professor of Operations Research at the City University of Hong Kong (CityU) passed away on November 16, 2020.

Professor Li served as Associate Provost (from Dec 2017 to Dec 2019) at CityU. He led the task force to establish CityU's School of Data Science in July 2018 and served as Acting Dean from July, 2018 to January, 2020. Before he joined CityU in December, 2017, he was on the faculty of the Chinese University of Hong Kong (CUHK) from 1994 to 2017, where he was Patrick Huen Wing Ming Professor of Systems Engineering and Engineering Management, and served as Department Chair from 2003 to 2012 and the Director of the Center for Financial Engineering from 2014 to 2017. He was also the founding Director of the Master of Science



Programme in Financial Engineering at CUHK (Shenzhen).

Professor Li graduated from Fudan University, received his M.E. degree in automatic control from Shanghai Jiaotong University, and received his Ph.D. degree in systems engineering from Case Western Reserve University. From 1987 to 1994, he was a faculty member in the Department of Systems Engineering at the University of Virginia, where he also served as the Associate Director of the Center for Risk Management of Engineering Systems.

Professor Li was a renowned expert in optimization, financial engineering, operations research, systems engineering, and optimal control. He pioneered the multi-period dynamic mean-variance portfolio selection studies, and made seminal contributions to non-convex optimization and dual control. Professor Li published over 200 journal papers, and was the co-author of *Nonlinear Integer Programming* (Springer, 2006).

Through his long career, Professor Li influenced generations of students and scholars. A humble, kind and generous person, he was widely admired and well liked by his friends, colleagues and students. In 2017, his former students and associates edited a Springer Handbook on Optimization and Control for Systems in the Big-Data Era and a special issue in Risk Analysis to honor his academic achievements.

More tributes to Professor Li can be found at the following websites:

<http://www.se.cuhk.edu.hk/obituary-for-prof-li-duan/>

<https://www.sdsc.cityu.edu.hk/news-events/news>

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