

Lettre MODE
mars 2017

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oana-silvia.serea@univ-perp.fr avant la fin du mois.

Prière d'indiquer "pour la lettre MODE" dans l'objet.

L'inscription et la désinscription automatiques se font en
écrivant à
lettre-mode-smai-request@emath.fr
et en mettant dans le sujet suivant le cas subscribe ou
unsubscribe.

Vous pouvez également retrouver les lettres MODE sur le site :

<http://smai.emath.fr/spip.php?article330&lang=fr>

SMAI-MODE sur twitter :

Le groupe dispose désormais d'un fil d'actualité : [https://
twitter.com/smai_mode](https://twitter.com/smai_mode)

Follow @smai_mode !

Table des matières

-- Thèses et Postes

1- Post Doctoral Position, Group of Mathematical Physics of
the University of Lisbon

2- W1-professorship in mathematical optimization, Westfälische
Wilhelms-Universität Münster

3- Birmingham Fellowship Programme, University of Birmingham

4- Postdoc en contrôle optimal, INRIA Sophia Antipolis, equipe
McTAO

5- Teaching and research position in Computer Science at
University Paris Dauphine

6- Post Doc position in Optimization for 3D printing, Minho
University, Portugal

-- Conférences et évènements

7- International Conference in Analysis, Futuroscope, France,
29-30 mars 2017

8- PDE and Probability Methods for Interactions, Sophia
Antipolis, France, March 30-31, 2017

9- 3rd workshop on Optimization and Statistical Learning -

April 10-14, 2017, Les Houches

10- Journée SMAI-MODE : Optimisation, Jeux et Economie,
Institut Henri Poincaré, 18 mai 2017

11- Summer Workshop in Economic Theory SWET17, June 19-20,
2017, Paris

12-International Workshop Variational Analysis and Equilibrium
Models in Physical and Socio-Economic Phenomena, Naples (IT)
June 19-21, 2017

13- International Workshop on Recent Advances in Variational/
Hemivariational Inequalities and Applications, China, June
24-26, 2017

14- 10th International Workshop on Computational Optimization
(WCO17)

Prague, Czech Republic, September 4-7, 2017

15- 3rd conference on Geometric Science of Information 07-09
November 2017 Mines ParisTech, Paris

16- III International Conference on Applied Mathematics and
Informatics – ICAMI 2017, Colombia, November 26 to December 1,
2017

17- Annonces de séminaires

-- Soutenances de Thèses et Habilitations à diriger des
recherches

-- Autres (ouvrages, etc.)

18- Décès de Felipe Alvarez Daziano

19- Décès de Kenneth Arrow

1- Post Doctoral Position, Group of Mathematical Physics of
the University of Lisbon
(source : F. Santambrogio)

For further information please visit the website:

<http://cvgmt.sns.it/position/242/>

2- W1-professorship in mathematical optimization, Westfälische
Wilhelms-Universität Münster
(source : J.-B. Caillaud, M. Théra et O.-S. Serea)

Deadline: Saturday, Apr 15, 2017

For further information please visit the website: <http://>

cvgmt.sns.it/position/240/

3- Birmingham Fellowship Programme, University of Birmingham
(source : J.-B. Caillaud)

The "Birmingham Fellowship Programme" <http://www.birmingham.ac.uk/staff/excellence/fellows/index.aspx> offers five years of protected time for high-quality research, allowing outstanding, high potential, early-career researchers of all ages to establish themselves as rounded academics who will go on to excel in their academic discipline across research, teaching and wider citizenship. All Fellowships come with a permanent academic post at the University.

The deadline for the current round is 31 March 2017. Candidates may apply directly using the above website. However, to get a stronger support from the School of Mathematics, candidates in research areas Optimization and Numerical Analysis are encouraged to contact first Professor Michal Kocvara, m.kocvara@bham.ac.uk .

4- Postdoc en controle optimal, INRIA Sophia Antipolis, equipe McTAO
(source : J.-B. Caillaud)

Pour plus de détails voir : <http://bit.ly/2mlrKE8>

Deadline : 26 mars 2017

5- Teaching and research position in Computer Science at University Paris Dauphine
(source : R. Laraki)

A teaching and research position is offered in Computer Science at University Paris Dauphine. Teaching will take place within several Departments of the University, mainly within the Department of Mathematics and Computer Science (MIDO). Research will take place at LAMSADE (<http://>

www.lamsade.dauphine.fr) within the "Combinatorial Optimization and Algorithmics" research group. The research activities of the group are related to the following research topics: Algorithms with a performance guarantee (exact and parameterized resolution of NP-hard problems, approximation, algorithmic games), Mathematical programming and discrete structures (linear and integer programming, polyhedral approaches, robustness, optimization in graphs. The research of the candidate should be strongly connected to at least one of these axes. Except from application's quality that will be main priority of the selection committee, research profiles lying in the intersection of the research interests of the group will be greatly appreciated.

Contacts: Denis Cornaz (cornaz@lamsade.dauphine.fr)
Ridha Mahjoub (mahjoub@lamsade.dauphine.fr)
Vangelis Paschos (paschos@lamsade.dauphine.fr)

https://www.galaxie.enseignementsup-recherche.gouv.fr/ensup/ListesPostesPublies/ANTEE/2017_1/0750736T/FOPC_0750736T_4179.pdf

6- Post Doc position in Optimization for 3D printing, Minho University, Portugal
(source : J.-B. Caillaud)

Applications from: march 17th to 30th, 2017

The work consists in the development and implementation of optimization algorithms for 3D printing (slicing and path planning) for an additive manufacturing based hybrid processes for long or continuous fiber reinforced polymeric matrix composites.

Relevant areas of expertise are:
- Optimization (linear/nonlinear)
- CADx
- Programming (C, Perl).

Applications should be addressed to: prof. Ismael Vaz, aivaz@dps.uminho.pt, attaching the curriculum vitae.

See <http://www.eracareers.pt/>, searching for FIBR3D/BPD1/2017, for additional details (attached information).

7- International Conference in Analysis, Futuroscope, France,
29-30 mars 2017

En hommage au Professeur Robert Janin

Pour plus de détails contacter :
frederic.abergel@centralesupelec.fr ou rako@math.univ-poitiers.fr

8- PDE and Probability Methods for Interactions, Sophia
Antipolis, France, March 30-31, 2017
(source : J.-B. Caillaud)

For more informations, please look at the web site: [https://
project.inria.fr/pde2017](https://project.inria.fr/pde2017)

9- 3rd workshop on Optimization and Statistical Learning -
April 10-14, 2017, Les Houches
(source : J.-B. Caillaud)

New challenging subjects of statistical inquiry have triggered rich interactions between Statistics, Computer Science and Optimization. The purpose of this conference is to foster exchanges between different communities working with high-dimensional data.

Pour plus de détails voir : [http://ljk.imag.fr/membres/
Jerome.Malick/osl2017/index.html](http://ljk.imag.fr/membres/Jerome.Malick/osl2017/index.html)

10- Journée SMAI-MODE : Optimisation, Jeux et Economie,
Institut Henri Poincaré, 18 mai 2017
(source : R. Laraki)

Les thématiques de mathématiques appliquées, modélisation et

optimisation liées à l'économie et à la théorie des jeux sont l'objet de recherches extrêmement actives et de fertilisations croisées nombreuses entre différents domaines. C'est pour faire un point sur quelques aspects de ces questions (en particulier les jeux non-atomiques, les jeux à champs moyen, les jeux répétés, la théorie des contrats en temps continu, l'utilisation stratégique de l'information, la théorie de la décision, etc...) que nous proposons d'organiser une journée à l'Institut Henri Poincaré le jeudi 18 mai 2017 avec 6 exposés de 45 minutes. L'inscription est gratuite mais obligatoire. Venez nombreux!

Titre: journée SMAI-MODE : Optimisation, Jeux et Economie

Site web: <https://smaimodecojeux.wordpress.com>

Lieu: Institut Henri Poincaré

Date: 18 mai 2017

Orateurs:

Chloe Jimenez (Université de Brest)
Olivier Guéant (Université Paris Sorbonne)
Johannes Horner (Yale University)
Filippo Santambrogio (Paris-Sud Orsay)
Nizar Touzi (Ecole polytechnique)
Nicolas Vieille (HEC Paris).

Organisation:

Philippe Bich (Paris 1)
Guillaume Carlier (Ceremade, Dauphine)
Rida Laraki (CNRS, Lamsade, Dauphine).

11- Summer Workshop in Economic Theory SWET17, June 19-20, 2017, Paris
(source : M. Théra)

PAPER SUBMISSION: If you would like to present a paper, please send your paper to <swet.paris@gmail.com> before April 15, 2017. Acceptance for presentation will be announced at the beginning of Mai 2017.

The website of SWET17 is under construction. Therefore, for the moment we just remind you the web site on which will be posted all the information : <https://sites.google.com/a/erasmusmundus.univ-paris1.fr/swet/>

12-International Workshop Variational Analysis and Equilibrium
Models in Physical and Socio-Economic Phenomena, Naples (IT)
June 19-21, 2017
(source : M. Théra)

More information about this conference may be found at the
conference website: http://www.dma.unina.it/vaempsep_2017

13- International Workshop on Recent Advances in Variational/
Hemivariational Inequalities and Applications, China, June
24-26, 2017
(source : D. Aussel)

International Workshop on Recent Advances in
Variational/Hemivariational Inequalities and Applications will
be held
at Xi'an Jiaotong University, Xi'an, China, June 24-26, 2017.

Variational and hemivariational inequalities form an important
and
very useful family of nonlinear problems arising in diverse
application areas of physical, engineering, financial, and
management
sciences. The goal of this workshop is to bring
mathematicians,
engineers, and financiers together to exchange recent advances
in the
field of variational and hemivariational inequalities on
theory,
numerical analysis, optimization techniques, and applications,
to
discuss the frontiers of related subjects, and to promote
collaborations among participants. The main topics of the
workshop
include, but are not limited to, analysis of problems leading
to
variational and hemivariational inequalities, properties of
solutions
of inequalities, numerical analysis of inequalities,
optimization
techniques, and applications.

Important Dates:

- Abstracts submission open on: March 15, 2017
- Notification of acceptance of the abstracts (for contributed talks):
May 5, 2017
- Registration and accommodation deadline: May 15, 2017

More information can be found at <http://gr.xjtu.edu.cn/web/fei/conference>

14- 10th International Workshop on Computational Optimization
(WCO17)
Prague, Czech Republic, September 4-7, 2017
(source : D. Aussel)

Call for Papers

10th International Workshop on Computational Optimization
(WCO17)
Prague, Czech Republic, September 4-7, 2017 organized in the
framework of FEDERATED CONFERENCE ON COMPUTER SCIENCE AND
INFORMATION SYSTEMS
FedCSIS - 2017

<https://fedcsis.org/wco>

We invite original contributions related to both theoretical
and
practical aspects of optimization methods. The list of topics
includes,

but is not limited to:

- * combinatorial and continuous global optimization
- * unconstrained and constrained optimization
- * multiobjective and robust optimization
- * optimization in dynamic and/or noisy environments
- * optimization on graphs
- * large-scale optimization, in parallel and distributed
computational
environments
- * meta-heuristics for optimization, nature-inspired approaches
and any
other derivative-free methods
- * exact/heuristic hybrid methods, involving natural computing
techniques
and other global and local optimization methods

The applications of interest are included in the list below, but are not limited to:

- * classical operational research problems (knapsack, traveling salesman, etc)
- * computational biology and distance geometry
- * data mining and knowledge discovery
- * human motion simulations; crowd simulations
- * industrial applications
- * optimization in statistics, econometrics, finance, physics, chemistry, biology, medicine, and engineering.

Best paper award

The best WC017 paper will be awarded during the social dinner of FedCSIS2017. The best paper will be selected by WC017 co-Chairs by taking into consideration the scores suggested by the reviewers, as well as the quality of the given oral presentation.

Submission and Publication

- * Authors should submit draft papers in PDF format.
- * The total length of a paper should not exceed 10 pages for regular paper and 4 pages for short papers (IEEE style). IEEE style templates are available at <http://www.fedcsis.org/>.
- * Papers will be refereed and accepted on the basis of their scientific merit and relevance to the workshop.
- * Accepted and presented papers will be published in the Conference Proceedings and included in the IEEE Xplore database and submitted for different indexations (Position paper will only appear in the conference proceedings).
- * Extended versions of selected papers presented at WC017 will be published in edited books of the series "Studies of Computational Intelligence", Springer.

Important dates:

Paper submission (sharp / no extensions) : May 10th, 2017
Position paper submission : May 31th, 2017
Author notification : June 14th, 2017
Final paper submission and registration : June 28, 2017

Conference date : September 4-7, 2017

Organizing Committee

Stefka Fidanova, Bulgarian Academy of Science, Bulgaria
Antonio Mucherino, IRISA, University of Rennes 1, France
Daniela Zaharie, West University of Timisoara, Romania

If you have any question do not hesitate to send an email to :
wco2017@fedcsis.org

15- 3rd conference on Geometric Science of Information 07-09
November 2017 Mines ParisTech, Paris
(source : J.-B. Caillaud)

The event's web site is <https://www.see.asso.fr/gsi2017>

16- III International Conference on Applied Mathematics and
Informatics – ICAMI 2017, Colombia, November 26 to December 1,
2017
(source : M. Théra)

Dear colleagues,

We apologize if you receive multiple postings of this
announcement.

The upcoming III International Conference on Applied
Mathematics and Informatics – ICAMI 2017 ([http://
www.icami2017.org/](http://www.icami2017.org/)) will take place in the beautiful Caribbean
island of San Andres, Colombia from November 26 to December 1,
2017.

ICAMI is a classic meeting for the mathematical community in
Latin America and beyond endorsed by the REALMA Network
(<http://www.realma.org/>).

In 2017, ICAMI event will be dedicated to the memory of
Professor Alexander VASIL'EV (1962-2016), who was one of the
founders of the ICAMI series started in 2010, and we encourage
everyone interested in attending ICAMI 2017 to submit
contributions for the Honorable Special Session "FORUM of
Analysis, Geometry and Mathematical Physics" that intends to
cover the wide range of professional expertise of Professor
Alexander Vasil'ev.

Other thematic sessions and mini-symposia are:

MAIN STREAMS

- Applications of abstract algebra to communication, computer science and related areas
- Applied probability, statistics and stochastic processes
- Complex Networks
- Continuous and discrete dynamical systems
- Mathematical Biosciences
- Mathematical Geosciences
- Numerical methods and software tools
- Operations research, optimization methods and applications
- Partial differential equations and applications
- Robotics and mechanical engineering

MINI-SYMPOSIA

- New control methods for dengue and other related arboviruses
- Optimization for the management of energies

We invite you to visit the conference website and fill our pre-registration form (<http://www.icami2017.org/login/>) in order to receive further updates and practical information regarding submission of contributions for oral and poster presentations.

DEADLINES

Proposals for mini-symposia: April 15, 2017

Abstract submission: June 15, 2017

Notification of acceptance/rejection: August 15, 2017

Early-bird registration (reduced rate): September 1, 2017.

We are looking forward to receiving you in San Andres Island, Colombia!

With best regards,

ICAMI 2017 Organizing Committee

17- 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

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Séminaire Parisien d'Optimisation (exceptionnellement : ENSCP
01, à côté
de l'IHP)

<http://www.ljll.math.upmc.fr/~plc/spo.html>

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Séminaire du programme PGMO, salle PGMO (Polytechnique)

<http://www.fondation-hadamard.fr/en/pgmo/seminar>

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Groupe de Travail CalVa (université Paris-Dauphine, en salle
A711)

[https://www.ljll.math.upmc.fr/fr/seminaires/
gt_calcul_des_variations.html](https://www.ljll.math.upmc.fr/fr/seminaires/gt_calcul_des_variations.html)

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Groupe de Travail Analyse Non-linéaire et EDP (IHP)

<http://www.math.ens.fr/~alazard/seminaire.html>

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Séminaire Pluridisciplinaire d'Optimisation de Toulouse
(lieu : voir site)

<http://projects.laas.fr/spot/>

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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)

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Séminaire hebdomadaire de l'équipe MOD de l'Université de
Limoges

<https://indico.math.cnrs.fr/categoryDisplay.py?categId=36>

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Séminaire Parisien de Théorie des Jeux (IHP, salle 05, 201 ou 314)

<https://sites.google.com/site/theoriesdesjeux/>

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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/>

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Séminaire de géométrie sous-riemannienne - IHP

<http://webusers.imj-prg.fr/~davide.barilari/seminar.php>

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Séminaire de de l'équipe Statistique, Probabilités, Optimisation et Contrôle (SPOC) - IMB

<https://math.u-bourgogne.fr/spip.php?page=seminairespoc>

**

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Séminaire MDOD (Mathématiques Discrètes, Optimisation et Décision), Maison des Sciences Economiques, Paris

<http://ces.univ-paris1.fr/membre/seminaire/MDOD/>

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18- Décès de Felipe Alvarez Daziano
(source : R. Laraki)

C'est avec une profonde tristesse que nous apprenons le décès du professeur Felipe Alvarez Daziano, 45 ans, doyen de la Faculté des sciences physiques et mathématiques de l'Université du Chili, survenu le mercredi 8 mars 2017 à la suite d'un accident vasculaire cérébral. Felipe Alvarez, marié et père de deux filles, a reçu le titre d'Ingénieur Civil

Mathématicien à l'Université du Chili et un doctorat en mathématiques et en optimisation décerné conjointement par la Chambre de Bello et l'Université de Montpellier sur la direction conjointe de Roberto Cominetti et Hedy Attouch. Son activité de recherche a notamment porté sur l'optimisation, les systèmes dynamiques, l'algorithmique numérique, le calcul des variations. C'était un ami fidèle de la France où il avait plusieurs co-auteurs, qui visitait régulièrement notre pays. Le groupe SMAI-MODE s'associe à la douleur de la famille, des amis et des collègues de Felipe.

19- Décès de Kenneth Arrow
(source : R. Laraki)

Un géant du XXème siècle, Kenneth Arrow, vient de nous quitter le 21 février, à Palo Alto, en Californie, à l'âge de 95 ans. Né le 23 août 1921 à New York dans une famille juive originaire de Roumanie, il obtient le prix Nobel d'Economie en 1972 pour ses travaux en choix social (et son célèbre théorème d'impossibilité) et sur l'équilibre général (qu'il a développé avec notre célèbre prix Nobel Français Gérard Debreu). Il s'est imposé comme le théoricien le plus profond et influent de sa génération, formant de nombreux économistes. Cinq de ses anciens étudiants ont reçu le prix Nobel : John Harsanyi 1994, Michael Spence 2001, Joseph Stiglitz 2001, Eric Maskin 2007 et Rogers Myerson 2007 (la liste risque de s'allonger). Il était réputé pour sa modestie, son ouverture, sa disponibilité et son souci du bien public. Il restera dans nos coeurs, nos travaux, et certainement à jamais dans l'histoire.

