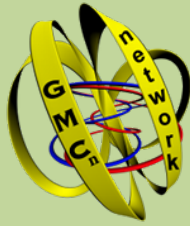


GMC Network Infosheet

November 2012



Geometry, Mechanics and Control Network Infosheet

November 2012

Editors: Javier de
Lucas and Silvia
Vilariño

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Network's activities

7th International Young Researchers Workshop on Geometry, Mechanics and Control.

Madrid, Spain. December 17-19, 2012.

Speakers:

- SINA OBER-BLÖBAUM (University of Paderborn, Germany): *Discrete mechanics and optimal control theory.*
- JORIS VANKERSCHAVER (Imperial College London, UK): *The geometry of the diffeomorphism group: applications in fluid dynamics and imaging.*
- SAN VU GNOC (Université de Rennes 1, France): *Integrable systems.*

Deadline: Details about registration are provided on the web-side.

<http://gmcnetwork.org/drupal/?q=activity-detail1/666>

IRSES Meeting on Differential Geometry and Mechanics.

Ghent University, Belgium, January 14-16, 2013.

This meeting is an opportunity for the partners of the 'Geometric Mechanics' IRSES network to meet, but it is also open to researchers from other institutes. Invited speakers are Hernan Cendra (U Nacional del Sur), Melvin Leok (UC San Diego), David Martin de Diego (ICMat Madrid), Olga Rossi (U Ostrava), Willy Sarlet (Ghent U) and Hiroaki Yoshimura (Waseda U). There are also slots for short contributed talks.

Deadline: December 1, 2012 (but preferably earlier).

<http://www.geomechnetwork.ugent.be/meeting.html>

XV Winter Meeting on Geometry, Mechanics and Control Theory.

Zaragoza, Spain.

January 30-31, 2013.

7th International Summer School on Geometry, Mechanics and Control (ICMAT School).

La Cristalera, Miraflores de la Sierra, Madrid, Spain.

July 1-5, 2013.

Speakers:

- M. J. GOTAY (Pacific Institute for the Mathematical Sciences, Canada): *Momentum Maps, Constraints and Classical Field Theories*.
- P. S. KRISHNAPRASAD (University of Maryland, USA): *Geometry of Collectives: Control, Dynamics and Reconstruction*.
- D. PERALTA SALAS (Instituto de Ciencias Matemáticas CSIC-UAM-UC3M-UCM, Spain): *Topological structures in steady fluid flows*.

Important dates:

- Application for scholarship no later than April 30, 2013.
- Abstract submission for short talks/posters no later than April 30, 2013.
- Registration no later than May 15, 2013.
- Accommodation no later than May 15, 2013.

<http://gmcnetwork.org/?q=activity-detail/867>

Job offers, fellowships and awards

Ph.D. offers

Ph. D. Positions in Analysis in Erlangen.

Department Mathematics.

University of Erlangen, Germany.

The positions will be devoted to research in Analysis, more specifically in Calculus of Variations and PDE, under different points of view.

Closing date: Any time, however there will be a first selection for some of the position between those who will apply before the end of November, 2012.

<http://www.analysis.math.fau.de/staff-members/pratelli-aldo/prof-dr-aldo-pratelli/positions/post-doc-and-phd-positions.html>

Ph. D. Position in Mathematics.

Department of Mathematics and Computer Science.

University of Basel, Switzerland.

Closing date: Review of applications will begin on December 17, 2012, and will continue until the position is filled.

<http://www.all-acad.com/files/34587.pdf>

Ph.D. Position in Mathematics Inspired by String Theory and QFT.

Department of Mathematics and Physics and the string theory group of DESY.

University of Hamburg, Germany.

Closing date: December 31, 2012.

<http://www.euro-math-soc.eu/node/2396>

Ph.D. Studentship Position in Applied Mathematics.

Basque Center for Applied Mathematics.

Bilbao, Basque Country, Spain.

Closing date: any time.

<http://www.bcmath.org/en/research/job/job-offer-phd-students>

Ph.D. Research Project: Thermomechanical Constraints in the Plate Theory of Classical and Generalized Thermoelasticity.

School of Mathematics.

University of East Anglia, Norwich, Norfolk, UK.

Closing date: applications accepted all year round.

<http://www.findaphd.com/search/ProjectDetails.aspx?PJID=35176&LID=437>

Student and Research Fellowships.

The International Mathematical Union, the Einstein Foundation Berlin and the Berlin Mathematical School.

Berlin, Germany.

The International Mathematical Union, the Einstein Foundation Berlin and the Berlin Mathematical School invite applications from Ph.D. students and researchers from developing countries for research visits in the active Berlin mathematics research environment. Research visits can last between three to nine months. The program has been established on the occasion of the establishment of the IMU secretariat in Berlin by the Einstein Foundation Berlin (ESB).

Closing date: At least six months before the desired starting date.

<http://www.math-berlin.de/efp/imu-esb>

Ph.D. Research Project: Inverse Problems (PIM).

Department of Applied Mathematics.

University of Leeds, UK.

Closing date: applications accepted all year round.

<http://www.findaphd.com/search/ProjectDetails.aspx?PJID=19061&LID=754>

Ph.D. Research Project: Classical and Quantum Integrability.

Department of Applied Mathematics.
University of Leeds, UK.

Closing date: applications accepted all year round.

<http://www.findaphd.com/search/ProjectDetails.aspx?PJID=19048&LID=754>

Ph.D. Research Project: Nonlinear Integrable PDEs and Non-commutative Geometry (Integrable Systems).

Department of Applied Mathematics.
University of Leeds, UK.

Closing date: applications accepted all year round.

<http://www.findaphd.com/search/ProjectDetails.aspx?PJID=19046&LID=754>

Ph.D. Research Project: Quantum Discrete Systems and Integrability.

Department of Applied Mathematics.
University of Leeds, UK.

Closing date: applications accepted all year round.

<http://www.findaphd.com/search/ProjectDetails.aspx?PJID=19072&LID=754>

Ph.D. Research Project: Sine-Gordon Solitons vs. Calogero-Moser Particles (Integrable Systems).

Department of Applied Mathematics.
University of Leeds, UK.

Closing date: applications accepted all year round.

<http://www.findaphd.com/search/ProjectDetails.aspx?PJID=19075&LID=754>

Ph.D. Research Project: Integrable Difference Equations.

Department of Applied Mathematics.
University of Leeds, UK.

Closing date: applications accepted all year round.

<http://www.findaphd.com/search/ProjectDetails.aspx?PJID=19071&LID=754>

Postdoctoral fellowships

Postdoctoral Positions in all areas of Mathematics.

Department of Mathematics.
ETH Zurich, Switzerland.

Closing date: November 19, 2012.

<http://www.math.ethz.ch/jobs/pd>

Postdoctoral Junior Grants - “Juan de la Cierva” 2012.

National Programme for Recruitment and Incorporation of Human Resources.
Spanish Ministry of Economy and Competitiveness.

Closing date: November 20, 2012.

http://www.idi.mineco.gob.es/portal/site/MICINN/menuitem.dbc68b34d11ccbd5d52ffeb801432ea0/?vgnnextoid=fd669dad3f88310VgnVCM1000001d04140aRCRD&vgnnextchannel=76c9282978ea0210VgnVCM1000001034e20aRCRD&lang_choosen=en

Research Fellow in Applied Mathematics.

School of Mathematics.
University of Southampton, UK.

Closing date: November 21, 2012.

<http://www.jobs.ac.uk/job/AFJ219/research-fellow-senior-research-fellow/>

Marie Curie Initial Training Networks (ITN).

Closing date: November 22, 2012, (at 17:00 Brussels time).

http://ec.europa.eu/research/participants/portal/page/people;efp7_SESSION_ID=gzWkQGdTJMyGy3r5CD9pYy19fQyvhzFVgPbfLHW63tbw5JnhN6Z!-1464761185?callIdentifier=FP7-PEOPLE-2013-ITN

Postdoctoral Senior Grants - “Ramón y Cajal” 2012.

National Programme for Recruitment and Incorporation of Human Resources.
Spanish Ministry of Economy and Competitiveness.

Closing date: November 27, 2012.

<http://www.idi.mineco.gob.es/portal/site/MICINN/menuitem.dbc68b34d11ccbd5d52ffeb801432ea0/?vgnnextoid=d24669dad3f88310VgnVCM1000001d04140aRCRD&vgnnextchannel=48a9282978ea0210VgnVCM1000001034e20aRCRD>

2-year Postdoctoral Position.

Seminar of Applied Mathematics.
ETH Zurich, Switzerland.

The position will be funded by the Swiss National Fund through the project Intrinsic Approximation of Geometric Data, led by Prof. Philipp Grohs.

They are looking for excellent researchers with a PhD degree in mathematics and a strong background in one or more of the following fields: Differential Geometry, geometric PDEs, Finite Elements, Approximation Theory, Image Processing. They offer excellent working conditions in a vibrant and stimulating environment. The successful candidate will receive a competitive salary. The position comes with a moderate teaching load. The starting date is currently planned on December 1st, 2012 (negotiable).

Interested candidates should submit their application (cv, motivation letter, publication list, 2 or more letters of recommendation) to applications@sam.math.ethz.ch.

For inquiries regarding the offered position please directly contact Prof. Philipp Grohs: pgrohs@math.ethz.ch

Closing date: December 1, 2012.

<http://www.sam.math.ethz.ch/~pgrohs/tmp/PostDocOpening.pdf>

Postdoctoral Positions in Mathematics and Mathematical Physics.

School of Mathematics.

Institute for Advanced Studies, USA.

Closing date: December 1, 2012.

<https://www.math.ias.edu/administration/how-to-apply>

Herchel Smith Postdoctoral Research Fellowship.

Academic Division.

Pure Mathematics.

Closing date: December 3, 2012.

<http://www.jobs.ac.uk/job/AFJ984/herchel-smith-postdoctoral-research-fellowship/>

Postdoctoral Research Assistant.

Mathematical Institute.

University of Oxford, UK.

Closing date: December 7, 2013.

<http://www.jobs.ac.uk/job/AFM280/postdoctoral-research-assistant/>

Postdoctoral positions at WCMCS 2012.

MIMUW and the Mathematical Institute of the Polish Academy of Sciences (Warsaw).

Warsaw, Poland.

Closing date: December 10, 2012.

<http://www.mimuw.edu.pl/badania/know/actions/postdoc2012.html>

Junior Research Fellowship.

Mathematical & Physical Sciences.

University College, Oxford, UK.

Closing date: December 13, 2012 (12 noon).

<http://www.jobs.ac.uk/job/AFL746/junior-research-fellowship/>

Postdoctoral Position in Mathematics.

Department of Mathematics and Computer Science.

University of Basel, Switzerland.

Closing date: Review of applications will begin on December 17, 2012, and will continue until the position is filled.

<http://www.all-acad.com/files/34588.pdf>

Research Fellow in Mathematics and Physics.

Mathematics & Physical Sciences.

University of Leeds, UK.

Closing date: January 2, 2013.

<http://www.jobs.ac.uk/job/AFJ122/research-fellow/>

3 Chapman Fellowships in Mathematics.

Department of Mathematics.

Imperial College London, UK.

Closing date: January 7, 2013.

<http://www.jobs.ac.uk/job/AFL855/3-x-chapman-fellowships-in-mathematics/>

Research Fellow in Mathematics.

Department of Mathematics.

University of Warwick, UK.

Closing date: January 14, 2013 (midnight British time).

<http://www.jobs.ac.uk/job/AFL062/research-fellow/>

Weierstrass Postdoctoral Fellowship Program.

Weierstrass Institute for Applied Analysis and Stochastics (WIAS).

Berlin.

WIAS offers postgraduate fellowships for 2012/2013. Their duration is six or twelve months. These fellowships are designed to enable highly-qualified young scientists to participate in the research into the mathematical problems in the several fields, thus furthering their education and training.

Closing date: February 28, 2013.

<http://www.wias-berlin.de/jobs/fellowship.jsp?lang=1>

Postdoctoral Positions in Stability of switched systems with complex dynamics.
L2S Supelec.

France.

Closing date: To apply send an email to Paolo.Mason@lss.supelec.fr and mario.sigalotti@inria.fr.

<http://www.cmap.polytechnique.fr/~sigalotti/postdoc>

Postdoctoral Positions in Applied Mathematics.

Basque Center for Applied Mathematics.

Bilbao, Basque Country, Spain.

Closing date: any time.

<http://www.bcmath.org/en/research/job/job-offer-phd-students>

Postdoctoral Positions in Physics, Applied Physics and Applied Math.

California Institute of Technology.

Pasadena, California, USA.

Closing date: Open until filled.

<http://www.postdocjobs.com/jobs/jobdetail.php?jobid=4011506>

Postdoctoral Positions in Analysis in Erlangen.

Department of Mathematics.

University of Erlangen, Germany.

The positions will be devoted to research in Analysis, more specifically in Calculus of Variations and PDE, under different points of view. Moreover, there is a broad flexibility regarding the starting date of the positions.

The candidates must send an application by email, containing the CV with a list of publications and of talks given. The starting date for the positions can be from Jan. 1st, 2013, but it is easily possible to discuss another date, if needed. Any request or information, as well as the applications, has to be sent by email to [pratelli\(AT\)math\(DOT\)fau\(DOT\)de](mailto:pratelli(AT)math(DOT)fau(DOT)de).

Closing date: Any time.

<http://www.analysis.math.fau.de/staff-members/pratelli-aldo/prof-dr-aldo-pratelli/positions/post-doc-and-phd-positions.html>

Offers for visiting and senior researchers

Lecturer in Pure Mathematics.

School of Mathematics and Statistics.

University of Sydney, Australia.

Closing date: November 21, 2012 (11:30pm Sydney time).

<http://usyd.nga.net.au/cp/index.cfm?event=jobs.jati&jobID=3c121da4-42ae-4d8c-2675-6e0d01b77f96>

Physics Lecturer.

Mathematics and Physics Centre.

Xi'an Jiaotong-Liverpool University, China.

Closing date: November 30, 2012.

<http://www.all-acad.com/files/33402.pdf>

Assistant Professor of Physics, Tenure Track.

Department of Physics, KAIST.

Korea Advanced Institute of Science and Technology (KAIST), South Korea.

Closing date: November 30, 2012.

<http://jobs.physicstoday.org/jobs/4955924/>

Assistant Professor and Associate Professor.

All areas of Applied and Pure Mathematics.

University of Warwick, UK.

Closing date: December 7, 2012.

<http://www.jobs.ac.uk/job/AFJ580/>

Assistant Professor (Warwick Zeeman Lectureship).

All areas of Applied and Pure Mathematics.

University of Warwick, UK.

Closing date: December 7, 2012.

<http://www.jobs.ac.uk/job/AFJ588/>

Visiting Assistant Professor.

All Areas of Mathematical Sciences.

School of Mathematical and Statistical Sciences, Arizona State University, USA.

Closing date: December 10, 2012.

<https://www.mathjobs.org/jobs/jobs/4179>

Lecturer in Pure Mathematics.

School of Mathematics.

University of Bristol, UK.

Closing date: December 10, 2012.

<http://www.bristol.ac.uk/jobs/find/details.htm?PostingID=354&PostingTargetID=575>

Visiting Assistant Professor.

Department of Mathematics.
University of California, Berkeley, CA, USA.
Closing date: December 14, 2012.
<http://academicemployment.chance.berkeley.edu/DetailsJobSearch.cfm?recordID=1316>

Visiting Morrey Assistant Professor.

Department of Mathematics.
University of California, Berkeley, CA, USA.
Closing date: December 15, 2012.
<http://academicemployment.chance.berkeley.edu/DetailsJobSearch.cfm?recordID=1299>

Assistant Professor of Mathematics.

Department of Mathematics.
American University of Beirut, Lebanon.
Closing date: December 15, 2012.
<http://www.jobs.ac.uk/job/AFE634/>

Associate Professor in the area Geometry and Topology in Physics.

Physical Sciences Division.
University of Chicago, USA.
Closing date: December 15, 2012.
https://academiccareers.uchicago.edu/applicants/jsp/shared/position/JobDetails_css.jsp?postingId=158270

Research Associate in Pure Mathematics.

Department of Mathematics, Pure Mathematics Section.
Imperial College London, UK.
Closing date: December 17, 2012.
https://www4.ad.ic.ac.uk/OA_HTML/OA.jsp?akRegionCode=IRC_VIS_VAC_DISPLAY_PAGE&akRegionApplicationId=800&p_svid=39092

Tenure track position in Applied Mathematics.

Department of Mathematics.
Pontifical Catholic University of Rio de Janeiro (RUC-RIO), Brazil.
Closing date: December 28, 2012.
<http://jobs.phds.org/job/37828/pontificia-universidade/tenure-track-position>

Lecturer/Senior Lecturer/Reader in Pure Mathematics.

Mathematical Sciences.
University of Bath, UK.
Closing date: December 31, 2012.
<http://www.jobs.ac.uk/job/AFL429/>

Lecturer/Senior Lecturer in Theoretical and Computational Fluid Dynamics.

Department of Mathematics.
Imperial College London, UK.
Closing date: January 7, 2013.
https://www4.ad.ic.ac.uk/OA_HTML/OA.jsp?akRegionCode=IRC_VIS_VAC_DISPLAY_PAGE&akRegionApplicationId=800&p_svid=39353

Chair in Applied Mathematics.

Department of Mathematics.
Imperial College London, UK.
Closing date: January 7, 2013.
<http://www.jobs.ac.uk/job/AFK251/chair-in-applied-mathematics/>

Lecturer/Senior Lecturer in Theoretical and Computational Fluid Dynamics.

Department of Mathematics.
Imperial College London, UK.
Closing date: January 7, 2013.
<http://www.jobs.ac.uk/job/AFK257/>

Open position-Director of the Weierstrass Institute and Professorship (W3-S) in Applied Mathematics.

(Succession of Professor Dr. Jürgen Sprekels).
Weierstrass Institute for Applied Analysis and Stochastics, Berlin.
Closing date: April 1, 2014.
<http://www.wias-berlin.de/jobs/Ausschr-NFSprekels-eng111206.pdf>

Assistant Professor in Applied Mathematics.

Department of Mathematical and Statistical Sciences.
University of Alberta, Canada.
Closing date: Open until filled.
http://www.mathstats.ualberta.ca/~media/University%20of%20Alberta/Faculties/Science/Departments/Math%20and%20Stat%20Sciences/Documents/GradStudentResources/Employment_Posting_3.pdf

Assistant Professor in Math Physics.

Department of Mathematical and Statistical Sciences.
University of Alberta, Canada.
Closing date: Open until filled.
http://www.mathstats.ualberta.ca/~media/University%20of%20Alberta/Faculties/Science/Departments/Math%20and%20Stat%20Sciences/Documents/GradStudentResources/Employment_Posting_2.pdf

Assistant Professor in Physics.

Department of Physics.

Concordia College, Moorhead Minnesota, USA.

Position Start Date: August 2013

Closing date: Open Until Filled.

[http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job\[IDX\]=40934-SC121029b-6e&oid=798206](http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job[IDX]=40934-SC121029b-6e&oid=798206)

Assistant Professor in Mathematics.

Department of Mathematics.

Concordia College, Moorhead Minnesota, USA.

Position Start Date: August 2013

Closing date: Open Until Filled.

[http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job\[IDX\]=40933-SC121029b-6e&oid=798206](http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job[IDX]=40933-SC121029b-6e&oid=798206)

Faculty Positions in Mathematics.

Department of Sciences.

Indian Institute of Technology Gandhinagar, Ahmedabad, Gujarat, India.

Closing date: Rolling position.

[http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job\[IDX\]=40686-SC121029b-6e&oid=798206](http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job[IDX]=40686-SC121029b-6e&oid=798206)

Senior and Associate Researcher Position in Applied Mathematics.

Basque Center for Applied Mathematics.

Bilbao, Basque Country, Spain.

Closing date: any time.

<http://www.bcmath.org/en/research/job/job-offer-phd-students>

Mathematics Lecturer.

UM-SJTU Joint Institute.

Shanghai Jiao Tong University, China.

Position Start Date: February 2013.

Closing date: open until filled.

[http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job\[IDX\]=39501-SC120917b-8e&oid=798206](http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job[IDX]=39501-SC120917b-8e&oid=798206)

Lecturer / Senior Lecturer in Mathematics.

Department of Mathematical Sciences.

Indiana University-Purdue University Indianapolis (IUPUI).

Position start date: August 1, 2013.

Closing date: open until filled.

[http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job\[IDX\]=39644-SC120924b-6e&oid=798206](http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job[IDX]=39644-SC120924b-6e&oid=798206)

Call for Visiting Professors at CIRM.

Fondazione Bruno Kessler.

Trento University, Trento, Italy.

CIRM Visiting Scholars will perform mathematical research in cooperation with scientists and researchers of Trento University or, more generally, of the Trento area, holding some research seminars; CIRM Visiting Professors will hold short Ph.D. courses, or 'Summer Courses', or series of seminars. It is foreseen that the selection process for Visiting Professors-Scholars take place through either individual application, or Invitation by a professor of Trento University or by a member of the Advisory Board.

Closing date: Applications may be sent at any time.

<http://cirm.fbk.eu/en/Visiting+Professors>

Research in Pairs Program: Centro Internazionale per la Ricerca Matematica.

Fondazione Bruno Kessler.

Trento University, Trento, Italy.

This type of program is similar to the one of the Mathematisches Forschungsinstitut Oberwolfach, and foresees the presence of two or three partners from Universities located in different towns, who intend to work on a definite research project and for a well specified period of time (ranging from one to six weeks). Applicant partners must submit a scientific project in the field of mathematics, with a detailed research program, resulting in one or more scientific publications on journals of excellent mathematical level; the support of the CIRM will then be acknowledged in the resulting publications. Participants in the RIP Program will also give occasional research seminar talks at the CIRM or at the University of Trento, but will enjoy freedom in the pursuit of their scientific goals. Applications where one or more of the partners are Italians will of course be welcome.

Closing date: Applications may be sent at any time.

<http://cirm.fbk.eu/en/node/122>

Visiting the CRM.

Centre de Recerca Matemàtica.

Catalonia, Spain.

The CRM offers the possibility of hosting researchers wishing to stay at the Centre for a period normally ranging from one to six months, preferably having a research plan and a scientific connection with long-term CRM visitors or researchers based at a university in Catalonia. Researchers from Catalan universities can apply if they are free from teaching duties during the period of their stay at the CRM. Visitors will be

provided with office space and working facilities at the Centre, as well as house-finding assistance if necessary. Support for housing expenses can be requested, although the CRM can only assign an overall small amount of support to visits outside its Research Programmes. Visits should be carried out during the academic year (from September to July). A resolution will be given by the CRM no later than three months after submission of the application.

Closing date: applications can be submitted at any time between 6 and 12 months before the start of the desired stay.

<http://www.crm.cat/en/VisitingTheCRM/Pages/GuidelinesvisitingCRM.aspx>

Research in Pairs in Barcelona.

Centre de Recerca Matemàtica.

Catalonia, Spain.

Application are welcome for stays at the CRM aiming to carry out collaborative research work of a small team of people, consisting of: A principal investigator, staying at the CRM for a quarter or a semester. One or two collaborators, staying at the CRM for at least one month. Researchers from Catalan universities can apply as principal investigators if they are free from teaching duties during the period of their stay at the CRM. Office space and working facilities will be provided by the CRM, as well as house-finding assistance if necessary. Support for housing expenses can be requested, and priority will be given to applications with a self-funded principal investigator.

Visits should be carried out during the academic year (from September to July).

Closing date: Applications can be submitted at any time generally between 6 and 12 months before the start of the desired stay.

<http://www.crm.cat/en/VisitingTheCRM/Pages/COLLABORATION-RESEARCH-STAYS.aspx>

Visiting the ICMAT.

ICMAT.

Madrid, Spain.

The ICMAT offers the possibility of hosting researchers wishing to stay at the institute for a period normally ranging from one to twelve months, preferably having a research plan and a scientific connection with ICMAT researchers. Visitors will be provided with office space and working facilities at the institute, as well as house-finding assistance if necessary. No financial support will be provided for these visits. Applications can be submitted at any time by sending the required information to the ICMAT at gestion@icmat.es.

Closing date: 2 months before the start of the desired stay.

<http://www.icmat.es/people/visitFac>

Professor of Physics.

Physical Sciences Division.

University of Chicago, USA.

Closing date: open until filled.

<https://academiccareers.uchicago.edu/applicants/jsp/shared/position/JobDetails.css.jsp?postingId=154990>

Awards

2013 Ferran Sunyer i Balaguer Award.

Prize: 15000 Euros.

Closing date: December 3, 2012.

<http://www.ffsb.cat/EN/>

2012 José Luis Rubio de Francia Award.

Prize: 3000 Euros.

Closing date: December 31, 2012.

<http://www.rsme.es/content/view/1097/73/>

Nominations for IMU Awards 2014.

Closing date: December 31, 2012.

<http://www.mathunion.org/general/prizes>

EMS Monograph Award.

On the occasion of its 10th anniversary the EMS Publishing House is pleased to announce the EMS Monograph Award. The prize is endowed with 10.000 Euro, and the winning monograph is published by the EMS Publishing House in the series EMS Tracts in Mathematics.

Closing date: June 30, 2013.

http://www.ems-ph.org/EMS_Monograph_Award.php

Financial support for research projects and conferences

Call for proposals for ERC Advanced Grant.

Please note that the call 'ERC-2013-CoG' con-

sists of one call with a single deadline applying to the three domains: Physical Sciences & Engineering, Life Sciences, Social Sciences & Humanities.

Deadline: November 22, 2012 (17:00 Brussels local time)

<http://ec.europa.eu/research/participants/portal/page/ideas?callIdentifier=ERC-2013-ADG>

CRM Call for Research Programmes.

The Centre de Recerca Matemàtica (CRM) invites proposals for Research Programmes for the academic year 2014-2015.

Deadline: October 26, 2012 for the preliminary proposal and November 30, 2012 for the final proposal.

<http://www.crm.cat/en/Activities/Pages/GuidelinesResearchProgram.aspx>

European Call for Researches'Night 2013.

The next Researchers' Night will be on September 27, 2013.

Deadline: January 8, 2013 (17:00 Brussels local time)

<http://ec.europa.eu/research/participants/portal/page/people?callIdentifier=FP7-PEOPLE-2013-NIGHT>

Call for proposals for ERC Synergy Grant.

Deadline: January 10, 2013 (17:00 Brussels local time)

http://ec.europa.eu/research/participants/portal/page/ideas;efp7_SESSION_ID=n8rkQ18JkdM6C1xMXM3p5TsdDwvJQyLy2jn7hNJymyhbMmg2m2L1!-741958582?callIdentifier=ERC-2013-SyG

Marie Curie International Research Staff Exchange Scheme (IRSES).

Deadline: January 17, 2013 (17:00 Brussels local time)

<http://ec.europa.eu/research/participants/portal/page/people?callIdentifier=FP7-PEOPLE-2013-IRSES>

Call for proposals for ERC Consolidator Grant.

Please note that the call 'ERC-2013-CoG' consists of one call with a single deadline applying to the three domains: Physical Sciences & Engineering, Life Sciences, Social Sciences & Humanities.

Deadline: February 21, 2013 (17:00 Brussels local time)

http://ec.europa.eu/research/participants/portal/page/ideas;efp7_SESSION_ID=1v21Qc4pVngyDmW5TyBbbnw2YZTHznhT0vpQgnQsgpy8Xr4b87sn!-1464761185?callIdentifier=ERC-2013-CoG

Centre Interfacultaire Bernoulli Call for Proposals.

The CIB launches a call for proposals of four one-semester programs during the period July 1, 2014 - June 30, 2016. A thematic program consists of a six months period (January 1 - June 30 or July 1 - December 31) of concentrated activity in a specific area of current research interest in the mathematical sciences. In exceptional cases, one year and three month programs will also be considered.

Those who are interested in organizing a program at the CIB should submit a two page letter of intent by April 1st, 2013. This letter should give the names of the organizers, of the potential visitors, and outline the program.

Deadline: April 1st, 2013

<http://cib.epfl.ch/>

Interesting news and publications

Journal of Geometric Mechanics is now included in the list of Journal Citation Report (JCR 2011) with an excellent impact factor: 0,812.

<http://aimsciences.org/journals/home.jsp?journalID=17>

Online Encyclopedia of Mathematics.

http://www.encyclopediaofmath.org/index.php/Main_Page

September International Mathematical Union Newsletter.

<http://www.mathunion.org/?id=2518>

Info website for Ph.D Students in Mathematics.

i-Math Consolider project (only in Spanish)
<http://www.doctoradomath.es/>

The IRSES Network 'GEOMECH'.

GEOMECH is an IRSES network sponsored within the 7th EU Framework Program and is coordinated by Ghent University.

<http://www.geomechnetwork.ugent.be/>

Mathematics in Europe.

<http://www.mathematics-in-europe.eu/>

Matemáticas y sus fronteras.

Those interested in publishing something, contact with Manuel de León mdeleon.dos@gmail.com .
<http://weblogs.madrimasd.org/matematicas/>

Journal of Geometric Mechanics (JGM).

Volume 4, Number 3, September 2012.
<http://aimsciences.org/journals/contentsListnew.jsp?pubID=550>

Free access to Ph.D. dissertations all around the world.

<http://www.ndltd.org/find>

Professional network for scientists.

<http://www.researchgate.net/>

2013 has been declared a special year for the Mathematics of Planet Earth.

Related activities are listed at: <http://mpe2013.org/>

Network's members preprints and papers

A. Enciso, D. Peralta-Salas: *Existence of knotted vortex tubes in steady Euler flows.*

arXiv:1210.6271[math.AP, math-ph, math.DS, math.MP]

P.D. Prieto-Martínez, N. Román-Roy: *Lagrangian-Hamiltonian unified formalism for autonomous higher-order dynamical systems.*

arXiv:1106.3261[math-ph, hep-th, math.MP]

P.D. Prieto-Martínez, N. Román-Roy: *Unified formalism for higher-order non-autonomous dynamical systems.*

arXiv:1111.6020[math-ph, hep-th, math.MP]

L. Bua, I. Bucataru, M. Salgado: *Symmetries, Newtonoids vector fields and conservation laws in the Lagrangian k -symplectic formalism.*

arXiv:1204.6573[math-ph, math.DG, math.MP]

J.F. Cariñena, M.F. Rañada, M. Santander: *The quantum free particle on spherical and hyperbolic spaces: A curvature dependent approach II.*

arXiv:1211.2076[math-ph, math.DG, math.MP, quant-ph]

M.F. Rañada: *A new approach to the higher-order superintegrability of the Tremblay-Turbiner-Winternitz system.*

arXiv:1211.2919[math-ph, math.MP]

H. Cendra, M. Etchechoury, S.J. Ferraro: *An extension of the Dirac and Gotay-Nester theories of constraints for Dirac dynamical systems.*

arXiv:1208.1953[math-ph, math.MP]

Network's collaborators preprints and papers

J. Montaldi, T. Tokieda: *Deformation of geometry and bifurcation of vortex rings.*

arXiv:1210.5662[math.DS]

A. Ramos: *Symmetries and the compatibility condition for the new translational shape invariant potentials.*

arXiv:1205.0712[math-ph, math.MP, quant-ph]

A. Alekseev, P. Severa, C. Vizman: *Current algebra functors and extensions.*

arXiv:1211.0487[math.DG, math-ph, math.MP]

C. Laurent-Gengoux, J. Teles: *Hom-Lie algebras.*

arXiv:1211.2263[math.DG, math.SG]

J. W. Simpson-Porco, F. Dörfler, F. Bullo: *Synchronization and Power Sharing for Droop-Controlled Inverters in Islanded Microgrids.*

arXiv:1206.5033[math.OC, cs.SY, math.DS, nlin.AO]

C. Laurent-Gengoux, M. Stienon, Ping Xu: *Exponential map and L_∞ algebra associated to a Lie pair.*

arXiv:1211.3478[math.QA, math.DG]

Other Conferences

Adventures in Mathematical Physics/Aventures en Physique Mathématique.

November 19-21, 2012. Lyon, France.
<http://math.univ-lyon1.fr/~roger/>

Workshop on Geometric Structures in PDE.

November 27, 2012, Madrid, Spain.
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ICTS Program: Winter School on Stochastic Analysis and Control of Fluid Flow.

December 3-20, 2012. Thiruvananthapuram, Kerala, India.
<http://www.icts.res.in/program/details/322/>

51th IEEE Conference on Decision and Control.

December 10-13, 2012. Maui, Hawaii, USA.
<http://control.disp.uniroma2.it/cdc2012/>

Lie Superalgebras.

December 10-14, 2012. Rome, Italy.
<http://www.mat.uniroma1.it/people/papi/Superalgebras.html>

Southeastern Lie Theory Workshop: Vertex Algebras, Conformal Field Theory, and Integrable Systems.

December 16-18, 2012. Charleston, South Carolina, USA.
<http://math.cofc.edu/research/selie/index.php>

International Conference on the Theory, Methods and Applications of Nonlinear Equations.

December 17-21, 2012. Kingsville, Texas, USA.
http://www.tamuk.edu/artsci/math/conference_2012/about.html

Recent Advances in Operator Theory and Operator Algebras.

December 31, 2012-January 11, 2013. Bangalore, India.
<http://www.isibang.ac.in/~jay/rota.html>

Intensive Program: Control of Complex Quantum Systems.

January 7-March 28, 2013. Santa Barbara, USA.
<http://www.kitp.ucsb.edu/activities/dbdetails?acro=qcontrol13>

Winter School on Mathematical Physics.

January 14-February 1, 2013. Mexico City, Mexico.
<http://leibniz.iimas.unam.mx/~wsmp/index.html>

Congreso Real Sociedad Matemática Española (RSME).

January 21-25, 2013. Santiago de Compostela, Spain.
<http://www.usc.es/congresos/rsme2013/>

New directions in the Quantum Control Landscape.

February 25-March 1, 2013. Santa Barbara, USA.
<http://www.kitp.ucsb.edu/activities/dbdetails?acro=qcontrol-c13>

Workshop on Lorentzian Homogeneous Spaces.

March 7-8, 2013, Madrid, Spain.
<http://www.mat.ucm.es/geomfis/lorentzhom>

Interactions Between Analysis and Geometry.

March 11-14, 2013. Los Angeles, California, USA.
<http://www.ipam.ucla.edu/programs/iag2013/>

AIM Workshop: Geometric perspectives in mathematical quantum field theory.

April 8-12, 2013. Palo Alto, California, USA.
<http://www.aimath.org/ARCC/workshops/geometriccqft.html>

EUROMATH 2013: European Student Conference in Mathematics.

April 10-14, 2013. Gothenburg, Sweden.
www.euromath.org

Geomathematics 2013.

April 15-17, 2013. Palatinate, Germany.
<http://www.geomathematics2013.de>

Conference New Trends in Regularization Theory and Methods for Geomathematical Problems.

May 6-10, 2013.
<http://www.crm.cat/en/Activities/Pages/ActivityDescriptions/Conference-New-Trends-in-Regularization-theory-and-methods-for-Geomathematical-problems.aspx>

IV MACI 2013.

May 15-17, 2013. Buenos Aires, Argentina.
<http://asamaci.org.ar/eventos/iv-maci-2013-1-1>

SIAM Conference on Applications of Dynamical Systems.

May 19-23, 2013. Snowbird, Utah, USA.
<http://www.siam.org/meetings/ds13/>

Conference on Nonlinear Mathematical Physics: Twenty Years of JNMP.

June 4-14, 2013. Nordfjordeid, Norway.
<http://staff.www.ltu.se/~johfab/jnmp/index.html>

American Control Conference.

June 17-19, 2013. Washington, DC, USA.
<http://a2c2.org/conferences/acc2013/>

Physics and Mathematics of Nonlinear Phenomena 2013.

June 22-29, 2013. Gallipoli, Italy.
<http://pmnp2013.dmf.unisalento.it/>

ERC Workshop "Variational Views in Mechanics and Materials".

June 24-26, 2013. Pavia, Italy.
<http://www.imati.cnr.it/ulisse/v2m2.html>

International Conference on Geometry: Theory and Applications.

June 24-28, 2013. Ljubljana, Slovenia.
<http://cgta2013.imfm.si>

The 2013 International Conference of Applied and Engineering Mathematics.

July 3-5, 2013. London, United Kingdom.
<http://www.iaeng.org/WCE2013/ICAEM2013.html>

SIAM Conference on Control and Its Applications.

July 8-10, 2013. San Diego, USA.
<http://www.siam.org/meetings/ct13/>

The sixth International Congress of Chinese Mathematicians.

July 14-19, 2013. Taipei, Taiwan.
<http://iccm.tims.ntu.edu.tw/>

European Control Conference.

July 17-19, 2013. Zurich, Switzerland.
www.ecc13.ch

1st Mathematical Congress of the Americas.

August 5-9, 2013. Guanajuato, Mexico.
<http://www.mca2013.org/>

Mathematical General Relativity.

August 19-December 20, 2013. Berkeley, California, USA.
<http://www.msri.org/web/msri/scientific/programs/show/-/event/Pm8946>

Optimal Transport: Geometry and Dynamics.

August 19-December 20, 2013. Berkeley, CA, USA.
<http://www.msri.org/web/msri/scientific/programs/show/-/event/Pm8952>

Connections for Women on Optimal Transport: Geometry and Dynamics.

August 22-23, 2013. Berkeley, California, USA.
<http://www.msri.org/web/msri/scientific/workshops/all-workshops/show/-/event/Wm9225>

Introductory Workshop on Optimal Transport: Geometry and Dynamics.

August 26-30, 2013. Berkeley, California, USA.
<http://www.msri.org/web/msri/scientific/workshops/all-workshops/show/-/event/Wm9226>

XXII International Fall Workshop on Geometry and Physics.

September 2-5, 2013, Evora, Portugal.

NOLCOS 2013.

September 4-6, 2013. Toulouse, France.
<http://conf.laas.fr/NOLCOS2013/>

Fluid Mechanics, Hamiltonian Dynamics, and Numerical Aspects of Optimal Transportation.

October 14-18, 2013. Berkeley, California, USA.
<http://www.msri.org/web/msri/scientific/workshops/all-workshops/show/-/event/Wm9227>

NOTE: If you want to include information in this info-sheet, please send it to gmcnet@ull.es