



Geometry, Mechanics and Control Network Infosheet

February 2012

Editors: *María Barbero and Silvia Vilariño*

Contents

Network's activities

6th Summer School on Geometry, Mechanics and Control.

Job offers, fellowships and awards

PhD offers

Postdoctoral offers

Offers for visiting and senior researchers

Awards

Financial support for research projects and conferences

Interesting news and publications

Network's and its collaborators' preprints.

Other conferences

EECI Graduate School on Control Program is available now.

Focus Program on Geometry, Mechanics and Dynamics, the Legacy of Jerry Marsden. July 2012.

CDC 2012 (Deadline March 1, 2012), Poisson 2012.

GMC Network Infosheet

February 2012

Network's activities

6th International Summer School on Geometry, Mechanics and Control (ICMAT School)

La Cristalera, Miraflores de La Sierra, Spain.

June 22-27, 2012.

Speakers:

- D. Holm (Imperial College, UK).
- A. Iserles (University of Cambridge, UK).
- J. Montaldi (University of Manchester, UK).

Important dates:

- **Registration: May 15, 2012.**
- **Accommodation: May 15, 2012.**
- **Scholarships: April 30, 2012.**
- **Abstract submission for posters: May 31, 2012.**

<http://gmcnetwork.org/?q=activity-detail/665>

3rd Iberoamerican Meeting on Geometry, Mechanics and Control.

Salamanca, Spain.

September 3-7, 2012.

<http://fundacion.usal.es/3imgmc/>

<http://gmcnetwork.org/?q=activity-detail/662>

Deadline for poster submissions: May 1-31, 2012.

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

Madrid, Spain

December 17-19, 2012

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

Job offers, fellowships and awards

Ph D offers

Open Call: ICMAT PreDoc 2012.

The Instituto de Ciencias Matemáticas (ICMAT-Institute of Mathematical Sciences) offers appointments to both Spanish and foreign students who wish to study for their doctorate at the ICMAT under the supervision of one of its members.

These appointments are aimed at university students in their final year who have recently completed their degree in mathematics or an allied area. The contracts will be for a four-year period and consist of the same financial conditions as those offered by the Spanish Government for a similar purpose.

More information:

http://www.icmat.es/severo-ochoa/HumanResources/ICMat_PreDoc

FPI Predoctoral Research Grants 2012.

The FPI Programme, funded by the Ministry of Economy and Competitiveness, offers the possibility to enrol a scientific career to those graduated students who want to carry on a PhD thesis.

These FPI grants are associated to research projects funded by the Ministry.

Deadline for applications: February 23, 2012 (03:00 pm)

<http://www.idi.mineco.gob.es/portal/site/MICINN/menuitem.791459a43fdf738d70fd325001432ea0/?vgnextoid=e962ae533a2c4310VgnVCM1000001d04140aRCRD&vgnextchannel=8da5b9746e160210VgnVCM1000001034e20aRCRD&vgnnextfmt=formato2&id3=1b87a8f77c1d4310VgnVCM100001d04140a>

Ferran Sunyer I Balaguer travel scholarship.

To support the last months to finish the PhD thesis. Only for PhD students in Catalan universities.

Closing date: February 28, 2012.

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

Doctoral Position in Geometry and Simulation.

Computational Science Center.

University of Vienna, Austria.

Closing date: February 29, 2012.

<http://www.math-jobs.com/j.php?i=1676>

CRM grants for Master's Projects.

Centre de Recerca Matemàtica, Spain.

Closing date: March 15, 2012.

http://www.crm.cat/CALLS/Beca_treball_2012.pdf

HBIGS 12 MSc/PhD Fellowships at Heidelberg University.

Heidelberg, Germany.

Study Subjects: Biosciences, Mathematics, Physics,...

Closing date: March 15, 2012.

http://scholarship-positions.com/hbigs-12-msc-phd-fellowships-at-heidelberg-university-heidelberg-germany/2012/02/03/?utm_source=feedburner&utm_medium=feed&utm_campaign=Feed%3A+ScholarshipPositions+%28International+Scholarships+and+Financial+Aid+Positions%29

Eu_SPRI Forum PhD Circulation Award.

Call for proposals for doctoral researchers.

This call is open to doctoral researchers in their second year of PhD thesis or beyond (and early stage researchers, who have completed their PhD within the past 12 months, in exceptional circumstances).

Deadline: March 19, 2012.

http://www.euspri-forum.eu/news/news/news_circulation_award_call.doc/

Fulbright scholarships for the academic year 2013-2014.

Fulbright scholarships are for young graduates who are interested in programs for Master's, Ph.D. or exceptionally in predoctoral projects at USA universities.

Closing date: March 21, 2012.

<http://fulbright.es/convocatorias/ver/981/ampliacion-de-estudios/2013-2014>

PhD Studentship in Theoretical/Mathematical Physics.

Faculty of Engineering and Physical Sciences. University of Surrey, England, UK.

Closing date: March 31, 2012.

<http://www.findaphd.com/search/ProjectDetails.aspx?PJID=35162&LID=1482>

OCCAM Visiting Doctoral Studentship.

Mathematics Institute in Oxford University, UK.

Closing date: May 14 and September 14, 2012.

<http://www.maths.ox.ac.uk/groups/occam/visit-us/ovs-ovp-applications>

PhD Position in Mathematics Inspired by String Theory and QFT.

University of Hamburg, Germany.

Closing date: December 31, 2012.

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

PhD Student and Research Fellowships.

The International Mathematical Union, the Einstein Foundation Berlin and the Berlin Mathematical School invite applications from PhD 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).

Applications must be received at least six months before the desired starting date.

More information:

<http://www.math-berlin.de/efp/fellowships.html>

Positions for two Marie_Curie PhD students. Integrating Numerical Simulation and Geometric Design Technology.

Institute of Applied Geometry.

Johannes Kepler University, Linz, Austria.

<http://www.ag.jku.at/>

PhD 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>

PhD 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>

PhD 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>

PhD 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>

PhD 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>

PhD Research Project – Sine-Gordon Solitons vs. Calogero-Moser Particles (Integrable Systems).

Department of Applied Mathematics.

Postdoctoral fellowships

Postdoc in Geometry and Simulation.

Computational Science Center.

University of Vienna, Austria.

Closing date: February 29, 2012.

<http://www.math-jobs.com/j.php?i=1677>

Research Fellow in Applied Mathematics.

University of Southampton, UK.

Closing date: February 29, 2012.

<http://www.jobs.ac.uk/job/ADW089/>

Weierstrass Postdoctoral Fellowships Program.

The Weierstrass Institute for Applied Analysis and Stochastic (WIAS) offers postgraduate fellowships for 2011/2012. Their duration is 6 or 12 months. These fellowships are designed to enable highly-qualified young scientists to participate in the research into the mathematical problems in fields such as "Optimization and control of technological processes", thus furthering their education and training.

Closing date: February 29 and August 31, 2012.

More information:

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

Postdoctoral Research Fellowship in Mathematical Physics.

Department of Applied Mathematics.

University of Southampton, UK.

Closing date: March 1, 2012.

<http://www.jobs.ac.uk/job/ADW414>

Postdoc Position Ricam Linz.

Johann Radon Institute for Computational and Applied Mathematics (RICAM).

Austrian Academy of Sciences, Linz, Austria.

Closing date: March 1, 2012.

<http://www.euro-math-soc.eu/node/2435>

Beatriu de Pinós Postdoctoral Fellowship.

Closing date: March 1, 2012.

http://www10.gencat.cat/agaur_web/AppJava/english/a_beca.jsp?categoria=postdoctorals&id_beca=18361

http://www10.gencat.cat/agaur_web/AppJava/english/a_beca.jsp?categoria=postdoctorals&id_beca=18362

Call for UPC Postdoctoral Grants 2012.

Universitat Politècnica de Catalunya, Spain.

University of Leeds, UK.

Closing date: applications accepted all year round.

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

PhD Research Project – Integrable Difference Equations (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=19071&LID=754>

The purpose of this call is to encourage and promote a minimum of 6 grants to incorporate postdoctoral research staff training in teaching and research. It is funded within the project BKC Barcelona Knowledge Campus and within the performance: "BKC-5- Atracció i Fidelització de talent al BKC", with the possibility of co-funding by the research groups.

This performance has as reference the corresponding call of 2011 of "Programa de Campus d'Excel·lència Internacional (CEI). Annex II: "Subprograma de Fortalecimiento (BOE Orden EDU/647/2011)".

Closing date: March 8, 2012.

http://www.ctt.upc.edu/Beques-UPC_117_119_ca.html

Research Associate in Pure Mathematics.

School of Mathematics.

University of Bristol, UK.

Closing date: March 30, 2012 (9:00 am).

<http://www.jobs.ac.uk/job/ADU392/>

Grants for postgraduate studies in Life and Matter Sciences in foreign universities and research centers.

Fundación Ramón Areces.

Deadline: March 31, 2012.

<http://www.fundacionareces.es/fundacionareces/cargarAplicacionAgendaEventos.do?idTipoEvento=3&identificador=1361&nivelAgenda=2>

OCCAM Postdoctoral Research Assistants.

Mathematics Institute in Oxford University, UK.

Closing date: May 14 and September 14, 2012.

<http://www.maths.ox.ac.uk/groups/occam/visit-us/ovs-ovp-applications>

Grants for short postdoctoral research visits at IMUS. Call for 2012 applications.

Instituto de Matemáticas, University of Sevilla, Spain.

The goal of these grants is the establishment or development of research collaborations between young doctors from outside the University of Sevilla and University researchers in the field of Mathematics or its applications to other disciplines. In this edition, the stays will have a minimum consecutive duration of 1 month and maximum of 2 months. The stays will take place between January 1st, 2012 and July 31st, 2013.

Closing date: July 31, 2012.

<http://www.imus.us.es/images/stories/noticias/2012/estancias-IMUS-2012-en.pdf>

Fulbright Postdoctoral Research Grants for US Senior Researchers.

Closing date: August 1, 2012.

<http://fulbright.es/convocatorias/ver/1005/postdoctoral-research/2013-2014>

Postdoc Position at LAAS-CNRS, Univ. Toulouse, France.

We are seeking candidates for a one-year post-doctoral position at LAAS-CNRS, University of Toulouse, France, within an on-going project focusing on semi definite programming and algebraic geometry for polynomial optimal control. The project may focus on software implementation (under our existing Matlab Toolbox GloptiPoly for solving generalized problems of moments), transfer of knowledge to the French aerospace industry (contracts with EADS Astrium and the French space agency CNES), or more fundamental research activities covering real algebraic geometry (polynomial equations and inequalities), functional analysis (theory of moments), mathematical programming (convex optimization over the cone of positive semidefinite matrices), and nonlinear dynamical systems control. A strong background in Applied mathematics is required. Some knowledge of systems control is welcome.

Interested candidates please send your detailed curriculum vitae to Didier Henrion,

<http://homepages.laas.fr/henrion>

More information:

http://homepages.laas.fr/henrion/#_blank

Postdoctoral Researchers: Mathematics / Applied Mathematics and Computer/ Information Sciences

Geometric Modelling and Scientific Visualization.
King Abdullah University of Science and Technology.
Thuwal, Jeddah, Saudi Arabia.

Closing date: Open until filled.

[http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job\[IDX\]=33513-SC111116b-6e&oid=798206](http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job[IDX]=33513-SC111116b-6e&oid=798206)

Postdoctoral Position: Computational Mathematics.

Interdisciplinary Research Institute for the Sciences.
California State University, Northridge, USA.

Closing date: Open until filled.

[http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job\[IDX\]=33561-SC111116b-4e&oid=798206](http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job[IDX]=33561-SC111116b-4e&oid=798206)

Marie-Curie Postdoc position. Integrating Numerical Simulation and Geometric Design Technology.

Institute of Applied Geometry.
Johannes Kepler University, Linz, Austria.

<http://www.ag.jku.at/>

Offers for visiting and senior researcher

Associate/Assistant Professor Position in several areas (dynamical systems, geometry, discrete mathematics...)

DTU Mathematics.

Technical University of Denmark, Lyngby, Copenhagen, Denmark.

Closing date: February 24, 2012.

<http://www.jobs.ac.uk/job/ADT346/>

Professor of Mathematics (Area: Geometry).

Faculty of Science, Technology and Communication.
University of Luxembourg. Luxembourg.

Closing date: February 24, 2012.

<http://www.math-jobs.com/j.php?i=1090>

<http://www.wen.uni.lu/university/jobs/fstc/enseignants>

Open academic position in Algebra and Geometry.

Department of Mathematics.

Université Libre de Bruxelles, Belgium.

Closing date: March 1, 2012.

<http://www.euro-math-soc.eu/node/2431>

Lecturer in Mathematics (3 posts).

School of Mathematics, Statistics and Actuarial Science.

University of Kent, Canterbury, UK.

Closing date: March 6, 2012.

<http://www.jobs.ac.uk/job/ADX870/>

<http://www.jobs.ac.uk/job/ADY135/>

<http://www.math-jobs.com/j.php?i=2528>

OCCAM Visiting Fellowships (OVF)

Visiting positions are available for established researchers in Applied and Computational Mathematics for Visiting Fellowships at the Oxford Centre for Collaborative Applied Mathematics (OCCAM). OVFs will be expected to collaborate with OCCAM's research teams and be actively involved in OCCAM's existing research projects, but they will also have freedom to pursue other lines of research. OVFs will hold a senior academic position in another higher education institution and will have research interests that are compatible with OCCAM's extended faculty.

Applications deadline: March 15 and October 1, 2012.

https://www.maths.ox.ac.uk/system/files/attachments/OCCAM-Visiting-Fellowships_Nov_2011.pdf

Assistant Professor in Pure Mathematics.

School of Mathematics.

University of Dublin, Trinity College. Ireland.

Closing date: March 30, 2012 (at noon)

<http://www.jobs.ac.uk/job/ADX864/>

3 Assistant Professors in Mathematics.

Departamento de Matemáticas.

Pontificia Universidad Católica de Chile, Chile.

Closing date: June 30, 2012.

<http://www.math-jobs.com/j.php?i=1052>

Visiting Research at IMI. Call 2011.

Instituto de Matemática Interdisciplinar.

Universidad Complutense de Madrid, Spain.

This call aims to enhance cooperation between IMI researchers and high level researchers and promising

young students carrying out their activity in other scientific institutions, in Spain or abroad. During their stays, visitors will collaborate with host IMI Program activities. The following modalities will be considered:

- a) Senior Visiting Researchers
- b) Postdoctoral stays
- c) Predoc Internships
- d) Exploratory meetings

The call will be open permanently. Evaluation and awarding is expected to be made on a monthly basis.

More information:

http://www.mat.ucm.es/imi/ProgramaVisitantesIMI2011/Call_IMIVisitingResearchers_2011.pdf

Call for Visiting Professors at CIRM.

Fondazione Bruno Kessler.

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.

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

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

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

Awards

Call for nomination for 2012 Lagrange Prize in Continuous Optimization.

Deadline: March 1, 2012.

http://www.siam.org/prizes/nominations/nom_lagrange.php

Call for nomination for the 2012 Ramanujan Prize.

Deadline: April 1, 2012.

<http://prizes.ictp.it/prizes/Ramanujan/>

Scientific "Joan LLuis Vives" Award.

For PhD students about to defend the thesis.

Deadline: April 30, 2012.

Financial support for research projects and conferences

Marie Curie Career Integration Grants (CIG)

Deadlines (at 17:00 Brussels time):

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.

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

Visiting the ICMAT.

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, generally 2 months before the start of the desired stay.

More Information:

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

Visiting Research at IUMA. Call 2012.

Instituto Universitario de Matemáticas y Aplicaciones (IUMA). University of Zaragoza, Spain.

The IUMA call grants for stays of foreign researchers wishing to stay at the institute for a period from one and three months.

The call will be open until September 30, 2012, generally 1 month before the start of the desired stay.

<http://iuma.unizar.es/>

Chair and Professor in Mathematics.

Department of Mathematics.

Washington State University, USA.

Closing date: open until filled.

[http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job\[IDX\]=35043-SC120220b-6e&oid=798206](http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job[IDX]=35043-SC120220b-6e&oid=798206)

<http://www.vives.org/ca/serveis/espai-de-coneixement/premi-de-comunicacio-cientifica-joan-lluis-vives/>

Fundación BBVA Award: " Fronteras del Conocimiento".

Deadline: June 30, 2012.

<http://www.fbbva.es/TLFU/tfu/esp/microsites/premios/ronteras/bases/index.jsp#6>

"Ciencia en Acción" Competition

<http://www.cienciaenaccion.org/>

- March 6, 2012.

- September 18, 2012.

<http://ec.europa.eu/research/participants/portal/page/p>

[people?callIdentifier=FP7-PEOPLE-2012-CIG](http://people.cimpa.org/callIdentifier=FP7-PEOPLE-2012-CIG)

2014 CIMPA research schools call for projects.

The call of proposal for 2014 will begin in March 2012. If you want to know how to propose a research school

project, go to the following web page: <http://www.cimpa-icpam.org/spip.php?rubrique35&lang=en> and the [Road map](#)

INTERESTING NEWS AND PUBLICATIONS

February European Mathematical Society e-news.

http://www.euro-math-soc.eu/ems_enews.html

January International Mathematical Union Newsletter.

<http://www.mathunion.org/imu-net/archive/2012/imu-net-51/>

Info website for Ph.D Students in Mathematics.

i-Math Consolider project (only in Spanish).

<http://www.doctoradomath.es/>

Request of opinion from the mathematical community on a report on ranking methods for mathematical journals, prepared by a joint working group created by the IMU and ICIAM:

http://blog.mathunion.org/fileadmin/IMU/Report/WG_JRP_Report_01.pdf

<http://www.mathunion.org/imu-net/archive/2011/imu-net49b/>

The IRSES Network 'GEOMECH'.

GEOMECH is an IRSES network sponsored within the 7th EU Framework Program and is coordinated by Ghent University. It includes partners from Argentina, Belgium, Czech Republic, Japan, Spain and the USA

and it aims to facilitate research exchange visits between these partners. More information on the network can be found on the website <http://www.geomechnetwork.ugent.be/> the website will also serve as the forum where the network's activities and outcomes will be disseminated.

Mathematics in Europe

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

Matemáticas y sus fronteras

<http://weblogs.madrimasd.org/matematicas/>

Those interested in publishing something, contact with Manuel de León mdeleon.dos@gmail.com

Journal of Geometric Mechanics (JGM)

Volume: 3, Number: 4, December 2011.

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

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

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

Professional network for scientists.

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

Network's members preprints and papers

I. Lacirasella, J. C. Marrero, E. Padr'ón: Reduction of symplectic \mathbb{R} -bundles.

[arXiv:1201.4690v2](http://arxiv.org/abs/1201.4690v2) [math.DG]

Y. N. Fedorov, L. C. García-Naranjo, J. Vankerschaver: The motion of the 2D hydrodynamic Chaplygin sleigh in the presence of circulation.

[arXiv:1201.5054v1](http://arxiv.org/abs/1201.5054v1) [nlin.SI]

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

[arXiv:1201.5589v1](http://arxiv.org/abs/1201.5589v1) [math-ph]

M. Zambon, C. Zhu: Distributions and quotients on degree 1 NQ-manifolds and Lie algebroids.

[arXiv:1202.1378v1](http://arxiv.org/abs/1202.1378v1) [math.DG]

Y. N. Fedorov, B. Jovanovic: Three natural mechanical systems on Stiefel varieties.

[arXiv:1202.1660v1](http://arxiv.org/abs/1202.1660v1) [nlin.SI]

R. Mehta, M. Zambon: L-infinity algebra actions

[arXiv:1202.2607v1](http://arxiv.org/abs/1202.2607v1) [math.DG]

P. Aniello, J. Clemente-Gallardo, G. Marmo, G. F. Volkert: Tensorial characterization and quantum estimation of weakly entangled qubits.

[arXiv:1202.3070v1](http://arxiv.org/abs/1202.3070v1) [quant-ph]

A. Ibort, A. Lopez-Yela, V. I. Man'ko, G. Marmo, A. Simoni, E. C. G. Sudarshan, F. Ventriglia: On the tomographic description of classical fields.

[arXiv:1202.3275v1](http://arxiv.org/abs/1202.3275v1) [math-ph]

M. de León, S. Vilariño: Lagrangian submanifolds in k-symplectic settings.

[arXiv:1202.3964v1](http://arxiv.org/abs/1202.3964v1) [math.DG]

F. Falceto, L. Ferro, A. Ibort, G. Marmo: Reduction of Lie-Jordan Banach algebras and quantum states.

[arXiv:1202.3969v1](http://arxiv.org/abs/1202.3969v1) [math-ph]

M. Seslija, J.M.A. Scherpen, A. van der Schaft: Port-Hamiltonian systems on discrete manifolds.
[arXiv:1201.5764v1](https://arxiv.org/abs/1201.5764v1) [math.OC]

V. I. Man'ko, G. Marmo, A. Simoni, F. Ventriglia:
Two-mode optical tomograms: a possible experimental check of the Robertson uncertainty relations.
[arXiv:1202.0434v1](https://arxiv.org/abs/1202.0434v1) [quant-ph]

R. Moeckel, R. Montgomery: Symmetric Regularization, Reduction and Blow-Up of the Planar Three-Body Problem.
[arXiv:1202.0972v1](https://arxiv.org/abs/1202.0972v1) [math.CA]

J. E. Marsden, H. Wang, Z.-X. Zhang: Regular reduction of controlled Hamiltonian system with symplectic structure and symmetry.
[arXiv:1202.3564v1](https://arxiv.org/abs/1202.3564v1) [math.SG]

OTHER CONFERENCES

ECCI Graduate School on Control
February-May 2012. France, Turkey and Italy.
Deadline for advanced registration was Dec. 16, 2011.
<http://www.eeci-institute.eu/GSC2012>

Nonlocal PDEs, Variational Problems and their Applications.
February 27-March 2, 2012. Los Angeles, CA, USA.
<http://www.ipam.ucla.edu/programs/pde2012/>

Geometry and Quantization of Moduli Spaces.
Centre de Recerca Matemàtica, Bellaterra, Barcelona, Spain.
March-June 2012.
<http://www.crm.es/Activitats/Activitats/2011-2012/RPGEOMETRY/>

Isogeometric Analysis and Applications Workshop (IGAA 2012).
March 12-16, 2012. Linz, Austria.
Deadline for abstract submission: Jan. 15, 2012.
<http://www.ag.jku.at/2012igaa/>

School on Geometry and Quantization of Moduli Spaces.
Centre de Recerca Matemàtica, Bellaterra, Barcelona, Spain.
March 26-30, 2012.
Deadline for grant applications: March 4, 2012.
Deadline for registration and payment: March 16, 2012.
<http://www.crm.es/Activitats/Activitats/2011-2012/ISQuanti/web-isquanti/>

SIAM Conference on Uncertainty Quantification.
April 2-4, 2012.
Raleigh, North Carolina, USA.
<http://www.siam.org/meetings/uq12/>

Advances in Scientific Computing, Imaging Science and Optimization: Stan Osher's 70th Birthday Conference.
April 4-6, 2012.
Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California, USA.
<http://www.ipam.ucla.edu/programs/sjo2012/>

Generalized Solutions of Evolution Equations: Theory, Numerical Approximation, and Applications..

April 12-14, 2012.
Max Planck Institute for Mathematics in the Sciences, Leipzig, Germany.
Deadline for abstract submission: Feb. 27, 2012.
Deadline for registration: March 19, 2012.
<http://www.mis.mpg.de/scicomp/gsee/>
Great Lakes Geometry Conference 2012.
April 14-15, 2012.
Ohio State University, Columbus, OH, USA.
http://www.math.osu.edu/~tseng.109/glgc12_main.html

Fourth Discrete Geometry and Algebraic Combinatorics Conference.
April 18-21, 2012.
South Padre Island, Texas, USA.
<http://blue.utb.edu/dg2012/>

Variational Analysis and Its Applications.
April 22-28, 2012.
Paseky nad Jizerou, Czech Republic.
<http://www.karlin.mff.cuni.cz/katedry/kma/ss/apr12/>

Symmetries of Differential Equations: Frames, Invariants and Applications. A conference in honor of the 60th birthday of Peter Olver.
May 17-19, 2012. Minneapolis, Minnesota, USA.
<http://math.umn.edu/conferences/olver/>

AIM Workshop: Contact topology in higher dimensions.
May 21-25, 2012. Palo Alto, California, USA.
<http://www.aimath.org/ARCC/workshops/contacttop.html>

10th Workshop on interactions between dynamical systems and partial differential equations.
May 28-June 1, 2012, Barcelona, Spain.
<http://www.ma1.upc.edu/recerca/seminaris/JISD2012/indexjisd2012.html>

12th Viennese Workshop on Optimal Control, Dynamic Games and Nonlinear Dynamics.
May 30-June 2, 2012. Vienna, Austria.
Deadline submission of abstracts: Feb 17, 2012.
<http://orcos.tuwien.ac.at/events/ocdgn2012/#c29435>

First Joint Conference of BMS-RSME_SML.

June 6-8, 2012.

<http://nalag.cs.kuleuven.be/research/workshops/BSL2012/>

EUROMECH Colloquium 535 Similarity and symmetry methods in Solid Mechanics.

June 6-9, 2012. Varna, Bulgaria.

http://www.ams.org/meetings/calendar/2012_jun6-9_varna.html

Quantum invariants of 3-manifolds.

June 7-9, 2012. University of Strasbourg, France.

<http://www-irma.u-strasbg.fr/article1172.html>

XIVth International Conference on Geometry, Integrability and Quantization.

June 8-13, 2012. Near Varna, Bulgaria.

<http://www.bio21.bas.bg/conference/>

Fourth Conference of the Euro-American Consortium for Promoting the Application of Mathematics in Technical and Natural Sciences.

June 11-16, 2012. Varna, Bulgaria.

Deadline for submitting abstracts: March 31, 2012.

<http://2012.eac4amitans.eu/>

ICTP_ESF School and Conference on Geometric Analysis.

June 11-29, 2012. Trieste, Italy.

http://portal.ictp.it/math/Activity_Single?id=a11168

Quantum Mechanics, Operator Theory and the Riemann Zeta function.

June 17-23, 2012. Benasque, Spain.

<http://benasque.org/2012qm/>

Summer@ICERM: Geometry and Dynamics.

June 18 – August 10, 2012. Providence, Rhode Island, USA.

<http://icerm.brown.edu/summerug>

5th Podlasie Conference on Mathematics.

June 25-28, 2012. Bialystok, Poland.

Deadline for contributed sessions: April 1, 2012.

Deadline for abstracts: May 1, 2012.

<http://katmat.pb.bialystok.pl/pcm12/>

American Control Conference.

June 27-29, 2012. Montréal, Québec, Canada.

<http://a2c2.org/conferences/acc2012/index.php>

Focus Program on Geometry, Mechanics and Dynamics, the Legacy of Jerry Marsden.

July 2012. Fields Institute, Toronto, Canada.

<http://www.fields.utoronto.ca/programs/scientific/12-13/Marsden/index.html>

The 9th AIMS Conference on Dynamical Systems, Differential Equations and Applications.

July 1-5, 2012, Orland, Florida, USA.

<http://aimsciences.org/conferences/2012/index.html>

As in the previous edition there will be a special

session on Geometric Mechanics, organized by Frans Cantrijn, Manuel de Leon and Tom Mestdag. This session has a double goal: to promote the [AIMS Journal of Geometric Mechanics](#) by bringing together excellent researchers in the field and to provide a scientific platform for the international partners within the '[Geometric Mechanics](#)' network (a network within Marie Curie's International Research Staff Exchange Scheme (IRSES) in the 7th European Framework Program). Anyone interested in participating in the session is cordially invited to register and to submit an abstract to session ss24 at the [webpage](#) of the conference, **before March 15, 2012.**

Workshop on geometric structures on manifolds and their applications.

July 1-7, 2012. Near Marburg, Germany.

Deadline for early registration: April 1, 2012.

<http://www.mathematik.uni-marburg.de/~agricola/rauisch2012/>

Workshop Periods and Motives. A modern perspective on renormalization.

July 2-6, 2012. ICMAT, Madrid, Spain.

<http://www.icmat.es/congresos/periods-and-motives/>

Mathematical Structures in Quantum Systems and applications.

July 2-8, 2012, Benasque, Huesca, Spain.

<http://benasque.org/general/cgi-bin/years.pl?ano=2012>

6th European Congress of Mathematics.

July, 2-7, 2012. Krakow. Poland

<http://www.6ecm.pl/en/home>

2nd International Conference on Mathematical Applications in Engineering 2012.

July 3-5, 2012, Kuala Lumpur, Malaysia.

<http://www.iium.edu.my/icmae/12/>

20th Mediterranean conference on control and automation.

July 3-6, 2012. Barcelona, Spain.

<http://med12.esaii.upc.edu/>

The 2012 International Conference of Applied and Engineering Mathematics.

July 4-6, 2012. Imperial College London, UK.

Deadline for draft paper submission: March 6, 2012.

<http://www.iaeng.org/WCE2012/ICAEM2012.html>

20th International Symposium on Mathematical Theory of Networks and Systems.

July 9-13, 2012. Melbourne, Australia.

Deadline for submissions: Feb. 1, 2012.

<http://www.mtns2012.com.au/>

EVEQ 2012: International Summer School on Evolution Equations.

July 9-13, 2012. Prague, Czech Republic.

<http://www.karlin.mff.cuni.cz/~prusv/ncmm/conference/eveq2012/info.html>

Mathematical General Relativity.

July 9-20, 2012. Berkeley, California, USA.

<http://www.msri.org/web/msri/scientific/workshops/sum>

[mer-graduate-workshops/show/-/event/Wm9228](http://www.agmp.eu/qqq/)
3Quantum: Algebra, Geometry, Information.
July 10-14, 2012. Tallinn, Estonia.
<http://www.agmp.eu/qqq/>

Poisson 2012.
Summer School: July 23-27, 2012.
Conference: July 30-August 3, 2012.
Utrecht, The Netherlands.

Deadline for financial support: May 14, 2012.
Deadline for registration: June 15, 2012.
<http://www.projects.science.uu.nl/poisson2012/>

The 24th International Conference on Formal Power Series and Algebraic Combinatorics (FPSAC.12).
July 30-August 3, 2012. Nagoya, Japan.
<http://www.math.nagoya-u.ac.jp/fpsac12/>

Variational Methods for Evolving Objects.
July 30 – August 3, 2012. Sapporo, Japan.
http://www.math.sci.hokudai.ac.jp/sympo/120730/index_en.html

XVII International Congress on Mathematical Physics.
August 6-11, 2012. Aalborg, Denmark.
Deadline for contributed talks and posters: March 15, 2012.
<http://www.icmp12.com/>

17th International Summer School on Global Analysis and its Applications.
August 17-22, 2012. Levoca, Slovakia.
For more information contact:
info@lepageri.eu, olga.krupkova@biomania.cz,
jan.brajercik@unipo.sk

Spectral Theory and Differential Equations.
August 20-24, 2012. Kharkiv, Ukraine.
<http://www.ilt.kharkov.ua/Marchenko2012/>

4th IFAC workshop on Lagrangian and Hamiltonian methods for nonlinear control.
August 29-31, 2012. Bertinoro, Italy.
Deadline for draft submission: March 15, 2012.
www.lhmnlc12.deis.unibo.it

XXIst International Fall Workshop on Geometry and Physics.
August 30-September 1, 2012. Burgos, Spain.

International Conference on Differential-Difference Equations and Special Functions.
September 3-7, 2012. Patras, Greece
<http://www.icddesf.upatras.gr/>

1st International Eurasian Conference on Mathematical Sciences and Applications (ICEMSA).
September 3-7, 2012. Prishtine, Kosovo.
<http://www.iecmsa.org/en/>

8th Workshop Algebra Geometry Mathematical Physics.
September 12-14, 2012. Brno, Czech Republic.
<http://www.agmp.eu/brno12/>

15th IFAC conference on Control Applications of Optimization.
September 13-16, 2012. Rimini, Italy.
<http://cao2012.imm.uran.ru/>

New trends in Dynamical Systems.
October 1-5, 2012. Salou, Catalonia, Spain.
<http://www.gsd.uab.cat/ntds2012/index.php>

2012 IEEE Multi-conference on systems and control.
October 3-5, 2012. Dubrovnik, Croatia.
Deadline for contributions: Feb. 10, 2012.
<http://www.msc2012.org/>

15th Latin American Control Conference.
October 23-26, 2012. Lima, Peru.
Deadline for draft paper submission: May 15, 2012.
<http://congreso.pucp.edu.pe/clca-2012/>

51th IEEE Conference on Decision and Control.
December 10-13, 2012. Maui, Hawaii, USA.
Deadline for proposals/submissions: March 1, 2012.
<http://control.disp.uniroma2.it/cdc2012/>

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

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

SIAM Conference on Applications of Dynamical Systems.
May 19-23, 2013. Snowbird, Utah, USA.
<http://www.siam.org/meetings/ds13/>

American Control Conference.
June 17-19, 2013. Washington, DC, USA.
Deadline for submitting draft manuscripts: Sept.17, 2012.
<http://a2c2.org/conferences/acc2013/>

European Control Conference.
July 17-19, 2013. Zurich, Switzerland.
Deadline for proposals: Sept. 2012.
www.ecc13.ch

1st Mathematical Congress of the Americas.
August 5-9, 2013. Guanajuato, Mexico.
<http://www.mca2013.org/>

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

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

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