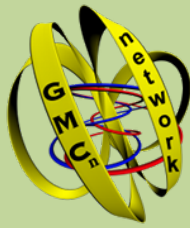


GMC Network Infosheet

May 2013



Geometry, Mechanics and Control Network Infosheet

May 2013

Editors: Javier de Lucas
and Silvia Vilariño

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Network's activities

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.*

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

8th International Young Researchers Workshop on Geometry, Mechanics and Control.

Technical University of Catalonia, Barcelona, Spain. December 11-13, 2013.

<http://gmcnetwork.org/?q=activity-detail/1027>.

deLeónfest 2013.

ICMAT, Madrid, Spain. December 16-19, 2013.

<http://www.icmat.es/deLeonfest/>.

Job offers, fellowships and awards

Ph.D. offers

Ph.D. Studentships.

School of Information Systems, Computing and Mathematics.
Brunel University, UK.

Closing date: June 6, 2013.

<http://www.jobs.ac.uk/job/AGM270/phd-studentships/>

Ph.D. Studentship in Geometry of Jets and field theory.

Institute of Mathematics (IMPAN).
Polish Academy of Sciences, Warsaw, Poland.
We are looking for PhD students in mathematics and/or mathematical physics (also graduate students willing to start their PhD soon) interested in scientific work within the project Geometry of Jets and Field theories performed under the Polish National Science Centre grant MAESTRO. The project aims at combining resources of the traditional differential geometry of gauge and jet bundles with functional analysis and recently developed methods, based on supergeometry and graded manifolds, AKSZ/BRST formalism, higher structures, and homotopy algebras, in order to develop a new geometrical framework for field theories of various types. A financial allowance (in addition to any scholarship obtained by the candidate) is anticipated.

Closing date: any time.

<http://www.impan.pl/~jagrab/maestro-phd.pdf>

Ph.D. Studentship in the theory of water waves.

Department of Mathematics.
University of Surrey, UK.

Closing date: June 14, 2013.

<http://www.findaphd.com/search/ProjectDetails.aspx?PJID=45235&LID=1482>

170 grants for embarking on post-graduate study programmes at the UAM: call 2013.

Universidad Autónoma de Madrid.
Madrid, Spain.

A call has been published to support university students embarking in masters (Máster Universitario) or pre doctoral (Periodo Formativo de Programa de Doctorado) studies at the UAM.

Closing date: July 1-31, 2013.

<http://www.icmat.es/job-opportunities/degree/uam/2013>

Early Stage Researcher in the Hamilton Institute (2 positions).

Hamilton Institute.
National University of Ireland, Maynooth, Co. Kildare.

Closing date: July 31, 2013, Midnight.

<http://humanresources.nuim.ie/documents/JobsSpecForAdvertisingFinal.pdf>

Ph.D. Student in Mathematics.

University of Luxembourg.
Luxembourg.

The University of Luxembourg has the following vacancy in the Mathematics Research Unit (research group of Prof. Norbert Poncin) of its Faculty of Sciences, Technology and Communication: Assistant (Ph.D. student) in Mathematics (M/F) (Reference: F1-070051).

Closing date: September 30, 2013.

http://www.uni.lu/recherche/fstc/mathematics_research_unit/people/norbert_poncin

Ph.D. Fellowships in Nonlinear Dynamical Systems.

Institute of Mechanical Systems.
ETH Zürich.

http://georgehaller.com/Nonlinear_Dynamics_at_ETH.pdf

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>

Research Opportunities for Students in Applied Mathematics.

Basque Center for Applied Mathematics (BCAM).

Bilbao, Basque Country, Spain.

BCAM brings the opportunity for excellent international students to join a world-class interdisciplinary research center in Bilbao, Spain.

The applications for the internship positions may take a form of:

- Summer or one-semester stay,
- Master thesis
- Industrial project
- Part of Ph.D. thesis.

Closing date: any time.

<http://www.bcamath.org/en/research/internships>

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 Research Positions. Inria, Campaign 2013.

Inria.
France.

Closing date: June 14, 2013.

<http://www.inria.fr/en/institute/recruitment/offers/post-doctoral-research-fellowships/campaign-2013>

Open Positions for a Marie-Curie postdoc. MTU Aero Engines.

Munich, Germany.

The MTU Aero Engines (Munich, Germany, www.mtu.de) has an opening for one 12-18month postdoc position (experienced researcher 4-10 years experience) under an EU 7 FP People Program "Industry-Academia Partnerships and Pathways" (Call: FP7-PEOPLE-2012-IAAPP) on "Exact and Adaptive Modeling and Simulation of the Air Passage of Aircraft Engines" (EXAMPLE) in cooperation with the Institute for Applied Geometry of the academic partner Johannes Kepler University (JKU).

Closing date: July 1, 2013.

<http://www.mtu.de/de/>

TWAS-CNPq Postgraduate Fellowship Programme.

The National Council for Scientific and Technological Development (CNPq).
Brasilia, Brazil.

Closing date: July 5, 2013.

<http://twas.ictp.it/prog/exchange/fells/fells-pg/bra-pg>

Postdoctoral position in the Hamilton Institute.

Hamilton Institute.

National University of Ireland, Maynooth, Co. Kildare.

Closing date: July 31, 2013, Midnight.

<http://humanresources.nuim.ie/documents/JobsSpecForAdvertisingFinal.pdf>

Fulbright Postdoctoral Research Grants for US Senior Scholars and Professional.

Closing date: August 1, 2013.

<http://fulbright.es/>

Marie Curie 2013. Intra-European Fellowships, International Outgoing Fellowships, International Incoming Fellowships..

Closing date: August 14, 2013.

http://ec.europa.eu/research/mariecurieactions/apply-now/open-calls/index_en.htm

Weierstrass Postdoctoral Fellowship Program.

Weierstrass Institute for Applied Analysis and Stochastics (WIAS).

Forschungsverbund, Berlin, Germany.

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 above fields, thus furthering their education and training.

Closing date: August 31, 2013 and February 28, 2014.

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

Postdoctoral AFR grants in Mathematics.

University of Luxembourg.

Luxembourg.

Research area

PDA 1: Supergeometry, algebraic geometry, derived geometry, higher structures in geometry, higher category theory

PDA 2: Algebraic topology, homotopy theory, operad theory, higher algebras, higher categories.

Closing date: Reference PDA 1: June 30, 2013.

Reference PDA 2: December 15 2013.

http://wwwen.uni.lu/recherche/fstc/mathematics_research_unit/people/norbert_poncin

Grants for short postdoctoral research visits at IMUS.

IMUS.

Sevilla, Spain.

The goal of these grants is the establishment or development of research collaborations between young doctors from outside the University of Seville and University researchers in the field of

Mathematics or its applications to other disciplines. The stays will have a consecutive duration of 2 months, although longer periods could be considered on the basis of the proposed work plan. The stays will take place between September 1st, 2013 and July 31st, 2014.

Closing date: December 10, 2013.

<http://www.imus.us.es/images/stories/noticias/2013/estancias-IMUS-2013-en.pdf>

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@math.fau.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>

Postdoctoral Position.

Department of Mathematics.

Baylor University, Texas, USA.

Closing date: Until position is filled.

<http://www.mathjobs.org/jobs/jobs/3886>

Riemann Fellowships to Mathematicians and Theoretical Physicists.

Riemann Center for Geometry and Physics.

Leibniz Universität Hannover, Germany.

Closing date: any time.

<http://riemanncenter.de/fellowships.html>

Offers for visiting and senior researchers

Lecturer / Senior Lecturer / Reader in Pure or Applied Mathematics.

School of Mathematics and Statistics.

University of Glasgow, UK.

Closing date: May 31, 2013.

<http://www.jobs.ac.uk/job/AGL557/>

W2-professorship (Associate Professor) on Inverse Problems.

University of Wuerzburg.

Germany.

Closing date: June 7, 2013.

<http://www.euro-math-soc.eu/node/3570>

Professors at all Ranks in Department of Mathematics and Statistics.

Department of Mathematics and Statistics.
The South University of Science and Technology (SUSTC), Shenzhen, China.

Closing date: June 8, 2013.

<http://www.jobs.ac.uk/job/AGF504/>

Lecturer in Mathematics.

College of Physical Sciences.
University of Aberdeen, Scotland, UK.

Closing date: June 10, 2013.

<http://www.jobs.ac.uk/job/AGN249/>

Senior Research Assistant.

Faculty of Engineering and Computing.
Coventry University, England, UK.

Closing date: June 15, 2013.

<http://www.jobs.ac.uk/job/AGN061/>

Lecturer/ Senior Lecturer in Applied Mathematics.

Department of Mathematical Sciences.
University of Essex, UK.

Closing date: June 23, 2013.

<http://www.jobs.ac.uk/job/AGP314/>

Assistant Professor in Mathematics.

Department of Mathematics.
Pontificia Universidad Catolica de Chile, Chile.

Closing date: June 30, 2013.

<http://www.all-acad.com/files/52045.pdf>

Aid to invite speakers Fulbright.

Closing date: July 31, 2013.

<http://fulbright.es/convocatorias/ver/1378/ayudas-para-que-instituciones-espanolas-inviten-a-conferenciantes-fulbright-para-un-periodo-maximo-de-dos-semanas/2012-2013>

Professor in Mathematics with focus on Geometry.

Department of Mathematics.
Stockholm University, Sweden.

Closing date: August 15, 2013.

<http://www.su.se/english/about/vacancies/lecturers-researchers/professor-in-mathematics-with-focus-on-geometry-1.123282>

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>

Mathematics Department Adjunct Faculty.

Mathematics Department.
Salt Lake Community College, Salt Lake County, UT, USA.

Closing date: Open until filled.

[http://sciences.academickeys.com/seeker_job_display.php?job\[IDX\]=44867](http://sciences.academickeys.com/seeker_job_display.php?job[IDX]=44867)

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 of Applied Mathematics.

College of Education & Basic Sciences.
Ajman University of Science and Technology, United Arab Emirate.

Position Start Date: August 15, 2013.

Closing date: Open Until Filled.

[http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job\[IDX\]=43762-SC130322b-8e&oid=798206](http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job[IDX]=43762-SC130322b-8e&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/cirm-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/research-pairs>

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>

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>

Awards

BBVA Foundation “Frontiers of Knowledge Awards” 2013.

Closing date: July 1, 2013.

<http://www.fbbva.es/TLFU/tlfu/ing/microsites/premios/fronteras/index.jsp>

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

ICIAM Prizes for 2015.

The ICIAM Prize Committee for 2015 now calls for nominations for the five ICIAM Prizes to be awarded at the 2015 Congress.

Closing date: October 31, 2013.

<http://www.iciam.org/Prizes/Prizes-CallforNominations2015.pdf>

Financial support for research projects and conferences

Marie Curie Career Integration Grants (CIG).

Deadline: September 18, 2013 (17:00 Brussels local time).

http://ec.europa.eu/research/mariecurieactions/apply-now/open-calls/index_en.htm

2015 CIMPA research schools call for projects.

The call of proposal for 2015 will begin in March 2013. 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=enandtheRoadmap>

Deadline: October 1, 2013.

<http://www.cimpa-icpam.org/spip.php?article151>

Call for 2015-2016 Research Programmes.

The CRM invites proposals for Research Programmes during the academic year 2015-2016 in any branch of mathematics and its applications. CRM Research Programmes consist of periods ranging between two to five months of intensive research in a given area of mathematics and its applications. Researchers from different institutions are brought together to work on open problems and to analyse the state and perspectives of their area.

Deadline: November 29, 2013 (preliminary submission by October 25, 2013.).

<http://www.crm.cat/en/Pages/DetailCrida.aspx?ItemID=7>

Interesting news and publications

Journal of Geometric Mechanics (JGM).

Volume 5, Number 1, March 2013.

<http://www.aims sciences.org/journals/contents/Listnew.jsp?pubID=591>

IMU-Net 58: International Mathematical Union Newsletter.

March 2013

<http://www.mathunion.org/imu-net/archive/2013/imu-net-058/>

ICMAT Newsletter.

Second number

http://www.icmat.es/newsletter/2013/second_en.pdf

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

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

Info website for Ph.D Students in Mathematics.

i-Math Consolider project (only in Spanish)

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

Online Encyclopedia of Mathematics.

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

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/>

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

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

Professional network for scientists.

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

Advice for New Ph.D. 's.

<http://www.ams.org/profession/career-info/new-phds/new-phds>

Courses online of Mathematics, Physics,....

Courses from 62 universities.

<https://www.coursera.org/courses?orderby=upcoming>

Network's members preprints and papers

A. Ballesteros, J.F. Cariñena, F.J. Herranz, J. de Lucas and C. Sardón: *From constants of motion to superposition rules for Lie-Hamilton systems.*
arxiv:1305.6276[math-ph, math.MP]

J.F. Cariñena, J. Grabowski, J. de Lucas and C. Sardón: *Dirac-Lie systems and Schwarzian equations.*
arxiv:1305.6272[math-ph, math.MP]

B. Cappelletti Montano, A. De Nicola, I.Yudin: *A survey on cosymplectic geometry.*
arxiv:1305.3704[math.DG, math-ph, math.MP]

D.D. Holm, L. Noakes and J. Vankerschaver: *Relative Geodesics in the Special Euclidean Group.*
arxiv:1305.3572[math.DG, math-ph, math.MP]

Beniamino Cappelletti Montano, Antonio De

Nicola, Ivan Yudin: *A survey on cosymplectic geometry.*
arxiv:1305.3704[math.DG, math-ph, math.MP]

L. Colombo, P.D. Prieto-Martínez: *Unified formalism for higher-order variational problems and its applications in optimal control.*
arxiv:1304.7699[math-ph, math.MP]

Y.N. Fedorov, A.J. Maciejewski and M. Przybylska: *The generalized Euler-Poinsot rigid body equations: explicit elliptic solutions.*
arxiv:1304.6072[nlin.SI, math-ph, math.DS, math.MP]

A. Pelayo and S. Vũ Ngọc: *Sharp symplectic embeddings of cylinders.*
arxiv:1304.5250[math.SG]

Network's collaborators preprints and papers

Luis J. Boya: *Introduction to Sporadic Groups for physicists.*
arxiv:1305.5974[math-ph, math.GR, math.MP]

A.M. Grundland, S. Post and D. Riglioni: *Soliton surfaces and generalized symmetries of integrable systems.*
arxiv:1302.6887[math-ph, math.MP]

A. Dancer, F. Kirwan, A. Swann: *Implosions and hypertoric geometry.*
arxiv:1305.4772[math.SG, math.DG]

B.Bagchi, A.Ghose Choudhury, P.Guha: *On Quantized Lienard Oscillator and Momentum Dependent Mass.*
arxiv:1305.4566[math-ph, math.MP, nlin.SI, quant-ph]

D. D. Holm and R. I. Ivanov: *Matrix G-Strands.*

arxiv:1305.4010[math-ph, math.MP, nlin.SI]

M. Avendaño-Camacho, J. A. Vallejo and Yu. Vorobiev: *Higher order corrections to adiabatic invariants of generalized slow-fast Hamiltonian systems.*
arxiv:1305.3974[math.DS, math-ph, math.MP, nlin.SI]

J. V. Beltrán, J. Monterde and J. A. Vallejo: *Quillen superconnections and connections on supermanifolds.*
arxiv:1305.3677[math.DG, hep-th, math-ph, math.MP]

G. Álvarez, L. Martínez Alonso and E. Medina: *Determination of S-curves with applications to the theory of nonhermitian orthogonal polynomials.*
arxiv:1305.3028[math-ph, math.MP]

M. Seslija, J. M.A. Scherpen, A. van der Schaft: *Reaction-Diffusion Systems as Complex Networks*.

arxiv:1305.3240[math.OC, cs.SY, math.AP]

L. Bates and J. Sniatycki: *Polite actions of non-compact Lie groups*.

arxiv:1305.2465[math.DG]

U. Bruzzo, I. Mencattini, V. Rubtsov, P. Tortella: *Nonabelian Lie algebroid extensions*.

arxiv:1305.2377[math.SG, math.AG]

N. Gromov, F. Levkovich-Maslyuk, G. Sizov: *Analytic Solution of Bremsstrahlung TBA II: Turning on the Sphere Angle*.

arxiv:1305.1944[hep-th, math-ph, math.MP]

F. D'Andrea and G. Landi: *Anti-selfdual Connections On The Quantum Projective Plane: Instantons*.

arxiv:1305.1246[math.QA, hep-th, math-ph, math.MP]

C. Batlle, J. Gomis and K. Kamimura: *Symmetries of the free Schrodinger equation in the non-commutative plane*.

arxiv:1304.7293[hep-th, math-ph, math.MP]

B. Piccoli and F. Rossi: *A generalized Benamou-Brenier formula for mass-varying densities*.

arxiv:1304.7014[math.AP, math.OC]

A.J. Maciejewski, M. Przybylska, L. Simpson and W. Szumiński: *Non-integrability of the dumbbell and point mass problem*.

arxiv:1304.6369[nlin.CD, math-ph, math.DS, math.MP, nlin.SI]

P. Chossat and G. Faye: *Pattern formation for the Swift-Hohenberg equation on the hyperbolic plane*.

arxiv:1304.6005[math-ph, math.MP]

R. Casals and F. Presas: *A Remark on the Reeb Flow for Spheres*.

arxiv:1304.5785[math.SG]

F. Jing and E. Kanso: *Stability of Underwater Periodic Locomotion*.

arxiv:1304.5046[physics.flu-dyn, math-ph, math.MP]

Other Conferences

Workshop 4: Stochastic Differential Geometry.

May 29-31, 2013. Centre Henri Lebesgue, Université de Rennes, France.

<http://www.lebesgue.fr/content/sem2013-WS4-infos>

Conference on Nonlinear Mathematical Physics: Twenty Years of JNMP.

June 4-14, 2013. Nordfjordeid, Norway.

<http://staff.www.ltu.se/~johfab/jnmp/index.html>

XV-th International Conference on Geometry, Integrability and Quantization.

June 7-12, 2013. Sts. Constantine and Elena resort, Bulgaria.

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

CSASC 2013.

June 9-13, 2013. Koper, Slovenia.

<http://conferences2.imfm.si/conferenceDisplay.py?confId=14>

Pde's, Dispersion, Scattering theory and Control theory.

June 10-14, 2013. Monastir, Tunisia.

<http://www.euro-math-soc.eu/node/2973>

GDIS 2013 Fourth International Conference Geometry, Dynamics, Integrable Systems.

June 10-14, 2013. Izhevsk, Rusia.

<http://www.mi.sanu.ac.rs/~gdis2013>

American Control Conference.

June 17-19, 2013. Washington, DC, USA.

<http://a2c2.org/conferences/acc2013/>

Variational problems and Geometric PDE's.

June 17-21, 2013. Granada, Spain.

<http://gigda.ugr.es/granada2013/Welcome.html>

SUMMER@ICERM: 2013 Undergraduate Summer Research Program "Geometry and Dynamics".

June 17-August 9, 2013. Rhode Island, USA.

https://icerm.brown.edu/summerug_2013

Physics and Mathematics of Nonlinear Phenomena 2013.

June 22-29, 2013. Gallipoli, Italy.

<http://pmp2013.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>

Encuentro Geometría Diferencial y sus Aplicaciones (homenage a Eugenio Merino Gayoso).

June 27-28, 2013. Ferrol, Spain.

<http://geometria.ferrol2013.udc.es>

Integrable Systems in the XXI century: symplectic, algebraic and spectral theory.

July 1- December 31, 2013.

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

Summer School: Integrable Systems and Semiclassical Analysis.

July 1-5, 2013. Centre Interfacultaire Bernoulli, EPFL, Lausanne, Switzerland.

<http://integrablesystems.epfl.ch/school.php>

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/>

TNADE2013 Topics in Numerical Analysis for Differential Equations.

July 8-12, 2013. Madrid, Spain.

<http://www.icmat.es/congresos/tnade2013/TNAD E2013.html>

Summer School on Dynamical Systems.

July 8-17, 2013. Gdynia, Poland.

<https://sites.google.com/site/ssods2013>

The sixth International Congress of Chinese Mathematicians.

July 14-19, 2013. Taipei, Taiwan.

<http://iccm.tims.ntu.edu.tw/>

JISD2013- Workshop on Interactions between dynamical systems and partial differential equations.

July 15-19, 2013. Barcelona, Spain.

<http://www.ma1.upc.edu/recerca/seminaris-rece rca/jisd2013/jisd2013>

XVI Summer Diffiety School.

July 15-27, 2013. Conference Center ”Pomorski Park Naukono-Technologiczny” of Gynia, Poland.

<https://sites.google.com/site/levicivita institute/xvi-summer-diffiety-school>

European Control Conference.

July 17-19, 2013. Zurich, Switzerland.

<http://www.ecc13.ch/>

VII International Meeting on Lorentzian Geometry.

July 22-26, 2013. Sao Paulo, Brazil.

<http://www.ime.usp.br/~gelosp2013/>

Conference in honor of Alan Weinstein.

July 22- 26, 2013. EpFL, Lousanne, Switzerland.

<http://integrablesystems.epfl.ch/w-conference .php>

Mathematical Approaches to Complex Fluids- a Two Week Summer School.

July 22- August 2, 2013. Isaac Newton Institute for Mathematical Sciences, Cambridge, UK.

<http://www.newton.ac.uk/programmes/CFM/cfm w02.shtml>

Conference “Geometry and Dynamics”.

July 29- August 2, 2013. IMATE-UNAM Cuernavaca, Mexico.

<http://www.matcuer.unam.mx/eventos/gd2013/>

1st Mathematical Congress of the Americas.

August 5-9, 2013. Guanajuato, Mexico.

<http://www.mca2013.org/>

18th International Summer School on Global Analysis and its Applications.

August 12-17, 2013. Levoca, Slovakia..

<http://www.lepageri.eu/ga2013/>

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>

GAP XI-Conference and Summer School: Higher Geometry and Quantum Field Theory. Séminaire itinérant “Géométrie et Physique”.

August 19-23, 2013. Pittsburgh, USA.

<http://www.personal.psu.edu/yuv1/blogs/gap/>

DGA 2013. Differential Geometry and its Applications.

August 19-23, 2013. Brno. Czech Republic.

<https://insepar.math.muni.cz/dga2013/>

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>

International Conference on Mathematical Modeling in Physical Sciences, IC-MSQUARE.

September 1-5, 2013. Prague, Czech Republic.

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

XXII International Fall Workshop on Geometry and Physics.

September 2-5, 2013. Évora, Portugal.

Deadline for abstract submission: May 31. Deadline for reduced registration fee: June 30. Registration deadline: July 31.

<http://www.ifwgp2013.uevora.pt/>

NOLCOS 2013.

September 4-6, 2013. Toulouse, France.

<http://conf.laas.fr/NOLCOS2013/>

Advanced course on Geometry and Dynamics of Integrable Systems.

September 9-14, 2013. Barcelona, Spain.

Deadline for grant applications: June 24, 2013.

Deadline for registration: July 14, 2013.

[http://www.crm.cat/en/Activities/Pages/ActivityFoldersAndPages/Curs\\$\\$\\$202013-2014/acintegrablesystems/acintegrablesystems.aspx](http://www.crm.cat/en/Activities/Pages/ActivityFoldersAndPages/Curs$$$202013-2014/acintegrablesystems/acintegrablesystems.aspx)

Conference on integrability, topological obstructions to integrability and interplay with geometry.

September 16-20, 2013. Barcelona, Spain.

Deadline for grant applications: June 24, 2013.

Deadline for registration: July 14, 2013.

[http://www.crm.cat/en/Activities/Pages/ActivityFoldersAndPages/Curs\\$\\$\\$202013-2014/Cintegrability/Cintegrability.aspx](http://www.crm.cat/en/Activities/Pages/ActivityFoldersAndPages/Curs$$$202013-2014/Cintegrability/Cintegrability.aspx)

Young Researchers Conference Royal Spanish Mathematical Society.

September 16-20, 2013. Sevilla, Spain.

<http://www.imus.us.es/2cji/?lang=eng>

International conference “Kolmogorov readings - VI. General control problems and their applications” (GCP - 2013).

October 7-11, 2013. Tambov, Russia.

<http://www.tambovopu2013.narod.ru>

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>

Qdays in Barcelona.

October 16-18, 2013. Barcelona, Spain.

[http://www.crm.cat/en/Activities/Pages/ActivityFoldersAndPages/Curs\\$\\$\\$202013-2014/Qdays/QdaysinBarcelona.aspx](http://www.crm.cat/en/Activities/Pages/ActivityFoldersAndPages/Curs$$$202013-2014/Qdays/QdaysinBarcelona.aspx)

ICMAT Laboratory “Viktor Ginzburg”.

November 11-15, 2013. Madrid, Spain..

http://www.icmat.es/severo-ocha/Activities/ICMAT_Laboratories/Ginzburg/plannedactivities

MCT Mathematical Control.

December 2-6, 2013. Trieste, Italy.

Submission deadline: May 31, 2013.

Deadline for registration: November 15, 2013.

<http://mct.lsis.org>

Introductory Workshop: tropical geometry in its complex and symplectic aspects.

January 20-24, 2014.

<http://cib.epfl.ch/PublicEvent.php?event=1004>

Symplectic aspects of tropical geometry.

June 16-20, 2014.

<http://cib.epfl.ch/PublicEvent.php?event=1006>

10th AIMS conference on Dynamical Systems, Differential Equations and Applications.

July 7-11, 2014. Madrid, Spain.

Deadlines:

Pre-registration: February 28, 2014.

Abstracts: February 28, 2014.

Travel grants (NSF): February 28, 2014

Banquet ticket: June 20, 2014..

<http://www.aims sciences.org/conferences/2014/index.html>

ICM 2014.

August 13-21, 2014. Seoul, Korea.

<http://www.mathunion.org/imu-net/archive/2013/imu-net-057/>

IHP Trimester. Geometry, Analysis and

Dynamics on Sub-Riemannian Manifolds.

September-December 2014, France.

<http://www.cmap.polytechnique.fr/subriemannian/>

7 European Congress of Mathematics.

July 18-22, 2016. Berlin, Germany.

<http://www.7ecm.de/>

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