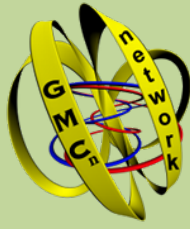


# GMC Network Infosheet

September 2012



## Geometry, Mechanics and Control Network Infosheet

September 2012

Editors: María Barbero  
and Silvia Vilariño

## CONTENTS

Network's activities

7<sup>th</sup> IYRWGMC

Job offers,  
fellowships and  
awards

Ph.D. Offers

Postdoctoral offers

Offers for visiting and  
senior researchers

Awards

Financial support for  
research projects and  
conferences

Interesting news  
and publications

Network's members  
preprints and papers

Network's collaborators  
preprints and papers

ECC'13

## 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 (University of California, San Diego, USA): *An introduction to the geometry and physics of the Euler-Poincaré equations on the diffeomorphism group.*
- SAN VU GNOC (Université de Rennes 1, France): *Integrable systems.*

**Deadline: Abstract submission (October 31, 2012), registration (November 16, 2012).**

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

## Job offers, fellowships and awards

### Undergraduate research offers

#### Collaboration scholarships 2012-2013.

Spanish Ministry of Education, Culture and Sport.,  
Call BOE 08/09/2012.

Spanish Ministry of Education, Culture and Sport announces  
scholarships to start in research for students who will complete  
the second cycle studies or final year degree the coming course.

**Closing date: September 25, 2012.**

<http://www.educacion.gob.es/horizontales/servicios/becas-ayudas-subsenciones/para-estudiar/grado/beca-colaboracion.html>

### Ph.D. offers

#### Graduate student position in Mathematics.

Department of Mathematics,  
Linköping University, Linköping, Sweden.

**Closing date: September 18, 2012.**

<http://www.euro-math-soc.eu/node/2908>

### **Grant for short stays FPI-Micinn 2011.**

National Spanish Program for Training Human Resources,

Spanish Ministry of Economy and Competitively.

**Closing date: September 27, 2012 (15:00).**

<http://www.idi.mineco.gob.es/portal/site/MICINN/menuitem.dbc68b34d11ccb5d52ffeb801432ea0/?vgnnextoid=5743eff5fa578310VgnVCM1000001d04140aRCRD&vgnnextchannel=8da5b9746e160210VgnVCM1000001034e20aRCRD>

### **Two Ph.D. positions in Applied Mathematics.**

Institute of Mathematics,

Alpen-Adria University, Klagenfurt, Australia.

**Closing date: October 1, 2012.**

<http://www.euro-math-soc.eu/node/2892>

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

Department of Mathematics and Physics and 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>

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

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

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

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### **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>

### **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**

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### **Postdoctoral Research Assistants (three posts).**

The Mathematical Institute,  
University of Oxford, Oxford, UK.

**Closing date:** October 5, 2012 (12:00 noon UK).

<http://www.jobs.ac.uk/job/AFB993/postdoctoral-research-assistants-three-posts/>

### **Postdoctoral Research Fellow in Applied Mathematics/Theoretical Physics.**

Applied Mathematics,  
University of Southampton, UK.

**Closing date:** October 11, 2012.

<http://www.jobs.ac.uk/job/AFD798>

### **Postdoctoral Research Associate/Research Fellow Positions in Integrable Systems and Near-Integrable Non-Linear Systems.**

School of Mathematics and Statistics,  
The University of Sydney, Australia.

**Closing date:** October 31, 2012 (11:30 pm Sydney time).

<http://www.jobs.ac.uk/job/AFD377/postdoctoral-research-associate-research-fellow-positions/>

### **Associate Professor in pure and applied mathematics.**

Department of Mathematics,  
University of California at Berkeley, USA.

**Closing date:** November 1, 2012.

<http://www.postdocjobs.com/jobs/jobdetail.php?jobid=1109408>

### **Research Assistant in Applied Mathematics or Theoretical Physics.**

School of Mathematics,  
University of Bristol, UK.

**Closing date:** November 12, 2012 (9:00 am).

<http://www.jobs.ac.uk/job/AFD481/research-assistant/>

### **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.

We 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. We 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](mailto:applications@sam.math.ethz.ch).

For inquiries regarding the offered position please directly contact Prof. Philipp Grohs: [pgrohs@math.ethz.ch](mailto:pgrohs@math.ethz.ch) **Closing date:** before December 1, 2012.

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

### **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>

### **Postdoc Positions Position in Applied Mathematics.**

Basque Center for Applied Mathematics,  
Bilbao, Basque Country, Spain.

**Closing date:** any time.

<http://www.bcamath.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>

**Offers for visiting and senior researchers**

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**Lecturer in Applied Mathematics.**

School of Mathematics and Physics,  
University of Queensland, Australia.

**Closing date: September 21, 2012.**

<http://www.jobs.ac.uk/job/AFA858/lecturer-in-applied-mathematics/>

**2 × Lecturer in Mathematics.**

School of Mathematics,  
Cardiff University, UK.

**Closing date: September 28, 2012.**

<http://www.jobs.ac.uk/job/AFC954/2-x-lecturer-in-mathematics/>

**Assistant Professor (Lecturer) in Applied Mathematics.**

Faculty of Science and Engineering,  
University of Nottingham Ningbo, China.

**Closing date: September 28, 2012.**

<http://www.jobs.ac.uk/job/AFB385/assistant-professor-lecturer-in-applied-mathematics/>

**Research Fellow in Mathematics.**

Department of Mathematics,  
University of Warwick, UK.

**Closing date: September 28, 2012.**

<http://www.jobs.ac.uk/job/AFB707/research-fellow>

**Senior Lecturer/ Lecturer in Mathematics.**

Conjoint Schools of Engineering and Mathematical Sciences and Informatics,  
City University, London, UK.

**Closing date: September 28, 2012.**

<http://www.jobs.ac.uk/job/AEY597/senior-lecturer-lecturer-mathematics/>

**Senior Lecturer/Lecturer in Mathematics.**

The Mathematical Sciences Department,  
Stellenbosch University, South Africa.

**Closing date: September 30, 2012.**

<http://www.euro-math-soc.eu/node/2912>

**Lecturer / Senior Lecturer / Reader in Mathematics.**

College of Science and Engineering, School of Mathematics & Statistics,  
University of Glasgow, Scotland, UK.

**Closing date: September 30, 2012.**

<http://www.jobs.ac.uk/job/AEY602/lecturer-senior-lecturer-reader/>

**Research Fellow in Physical, algebraic and geometrical underpinnings of topological quantum computation.**

Mathematics & Physical Sciences,  
University of Leeds.

**Closing date: September 30, 2012.**

<http://www.jobs.ac.uk/job/AFA293/research-fellow>

**OCCAM Visiting Fellowship (OVF).**

Oxford Centre for Collaborative Applied Mathematics,  
Oxford, UK.

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.

**Closing date: October 1, 2012.**

[https://www.maths.ox.ac.uk/system/files/attachments/OCCAM-Visiting-Fellowships\\_Nov\\_2011.pdf](https://www.maths.ox.ac.uk/system/files/attachments/OCCAM-Visiting-Fellowships_Nov_2011.pdf)

**Lecturer - Mathematics & Computer Science.**

Department of Mathematics and Computer Science,  
Lehman College, Bronx, NY, USA.

**Closing date: Open until filled with review of CVs to begin October 1, 2012.**

[http://sciences.academickeys.com/seeker\\_job\\_display.php?dothis=display&job\[IDX\]=39085-SC120910b-8e&oid=798206](http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job[IDX]=39085-SC120910b-8e&oid=798206)

**Lecturer in Applied Mathematics/ General Relativity.**

Applied Mathematics,  
University of Southampton, UK.

**Closing date: October 7, 2012.**

<http://www.jobs.ac.uk/job/AF647/lecturer-in-applied-mathematics-general-relativity/>

**Lecturer in Applied Mathematics.**

Mathematics & Physical Sciences,  
University of Leeds, UK.

**Closing date: October 10, 2012.**

<http://www.jobs.ac.uk/job/AFD359/lecturer-in-applied-mathematics/>

**W3-Professorship in Applied Mathematics.**

Faculty of Mathematics and Natural Sciences,  
University of Cologne, Germany.

**Closing date: October 12, 2012.**

[http://germaninnovation.org/docs/job\\_uni-koeln.pdf](http://germaninnovation.org/docs/job_uni-koeln.pdf)

**Lecturer in Applied Mathematics.**

School of Mathematics,  
University of Birmingham, UK.

**Closing date: October 25, 2012.**

<http://www.jobs.ac.uk/job/AFB064/lecturer-in-applied-mathematics/>

**Assistant Professor – Mathematics.**

Department of Mathematics and Computer Science,  
Valparaiso University, Indiana, USA.

**Closing date: November 1, 2012.**

[http://sciences.academickeys.com/seeker\\_job\\_display.php?dothis=display&job\[IDX\]=39318-SC120910b-8e&oid=798206](http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job[IDX]=39318-SC120910b-8e&oid=798206)

**Associate Professor in pure or applied mathematics.**

Department of Mathematics,  
University of California at Berkeley, California, USA.

**Closing date: November 1, 2012.**

<http://www.postdocjobs.com/jobs/jobdetail.php?jobid=1109408>

**Assistant Professor in pure or applied mathematics.**

Department of Mathematics,  
University of California at Berkeley, California, USA.

**Closing date: November 1, 2012.**

<http://www.postdocjobs.com/jobs/jobdetail.php?jobid=1109407>

**Research Assistant in Mathematics.**

School of Mathematics,  
University of Bristol, UK.

**Closing date: November 12, 2012 (9:00 am).**

<http://www.jobs.ac.uk/job/AFD481>

**Senior Faculty Position in Applied Mathematics.**

Department of Applied Mathematics,  
University of Waterloo, Ontario, Canada.

**Closing date: November 15, 2012.**

<http://www.math-jobs.com/files/26896.pdf>

**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/Associate/Full Professor in Mathematics.**

Department of Mathematics,  
Michigan State University, USA.

**Closing date: open until filled.**

<http://www.postdocjobs.com/jobs/jobdetail.php?jobid=1110327>

**Visiting Assistant Professor.**

Department of Mathematics,  
Drexel University, Philadelphia, USA.

The Department of Mathematics at Drexel University invites applications for a Visiting Assistant Professor faculty position, beginning December 1, 2012, ending August 31, 2014. All research areas will be considered. The position carries 12 credits in 2012/2013 and 18 credits in 2013/2014.

**Closing date: open until filled.**

<http://www.postdocjobs.com/jobs/jobdetail.php?jobid=1108519>

**Senior and Associate Researcher Position in Applied Mathematics.**

Basque Center for Applied Mathematics,  
Bilbao, Basque Country, Spain.

**Closing date: .**

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

**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>

### **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](mailto:gestion@icmat.es).

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

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

### **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/COOPERATION-RESEARCH-STAYS.aspx>

### Professor of Physics.

Physical Sciences Division,  
University of Chicago, USA.

**Closing date: open until filled.**

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

### Mathematics/Physics Lecturer.

University of Michigan - Shanghai Jiao Tong,  
University Joint Institute, Shanghai, China.

**Closing date: open until filled.**

[http://sciences.academickeys.com/seeker\\_job\\_display.php?dothis=display&job\[IDX\]=37305-SC120705b-6e&oid=798206](http://sciences.academickeys.com/seeker_job_display.php?dothis=display&job[IDX]=37305-SC120705b-6e&oid=798206)

## Awards

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### 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/>

## Financial support for research projects and conferences

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### ERC Calls 2013 for Starting and Advanced Grants

**Deadline: October 17, 2012 (for StG), November 22, 2012 (for AdG).**

<http://erc.europa.eu/important-information-upcoming-erc-calls-whats-new>

### 2014 CIMPA research schools call for projects

**Deadline: Complete proposal: October 1, 2012.**

<http://www.cimpa-icpam.org/spip.php?article124>

### Marie Curie Career Integration Grants (CIG)

**Deadline: September 18, 2012, (at 17:00 Brussels time).**

<http://ec.europa.eu/research/participants/portals/page/people?callIdentifier=FP7-PEOPLE-2012-CIG>

### 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>

## Interesting news and publications

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### The mathematician William Paul Thurston passed away on August 21, 2012.

[http://www.ams.org/news?news\\_id=1602](http://www.ams.org/news?news_id=1602)

<http://www.rsme.es/content/view/1088/1/>

### Positions available at MathWorks (makers of MATLAB and Simulink).

MathWorks has many open positions in a wide variety of areas including software development, quality engineering, technical writing, marketing, and more.

Positions are available at our headquarters in Natick MA (outside of Boston) as well as internationally.

Please check out our Careers site: <http://www.mathworks.com/company/jobs/opportunities/>

### Prizes awarded at the 6th European Congress of Mathematics in Krakow, Poland.

<http://www.euro-math-soc.eu/node/2815>

### 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>

### Alberto Enciso has been awarded with Premio José Luis Rubio de Francia 2011.

### Online Encyclopedia of Mathematics.

[http://www.encyclopediaofmath.org/index.php/Main\\_Page](http://www.encyclopediaofmath.org/index.php/Main_Page)

### March International Mathematical Union Newsletter.

<http://www.mathunion.org/imu-net/archive/2012/imu-net-52/>

### 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/>

### Network's members preprints and papers

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B. Cappelletti Montano, A. de Nicola, I. Yudin: *Some remarks on cosymplectic 3-structures.*

[arXiv:1209.1490](http://arxiv.org/abs/1209.1490)[math-DG]

M. Barbero-Liñán, M. de León, D. Martín de Diego: *Lagrangian submanifolds and Hamilton-Jacobi equation.*

[arXiv:1209.0807](http://arxiv.org/abs/1209.0807)[math-ph]

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

### Matemáticas y sus fronteras.

Those interested in publishing something, contact with Manuel de León [mdeleon.dos@gmail.com](mailto:mdeleon.dos@gmail.com) .

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

### Journal of Geometric Mechanics (JGM).

Volume 4, Number 2, June 2012.

<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/>

[arxiv.org/abs/1208.1953](http://arxiv.org/abs/1208.1953)[math-ph]

M. Castrillón López, I. Luján: *Strongly degenerate homogeneous pseudo-Kähler structures of linear type and complex plane waves.*

[arxiv.org/abs/1207.5637](http://arxiv.org/abs/1207.5637)[math-DG]

M. Castrillón López, V. Fernandez Mateos, J. Muñoz Masque: *The Equivalence Problem of Curves in a Riemannian Manifold.*

[arxiv.org/abs/1207.4720](http://arxiv.org/abs/1207.4720)[math-DG]

### Network's collaborators preprints and papers

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T. Ratiu, O. Rozanova: *Nonexistence of smooth solutions for the general compressible Ericksen-Leslie equations in three dimensions.*

[arxiv.org/abs/1209.2988](http://arxiv.org/abs/1209.2988)[math-AP]

F. Dörfler, F. Bullo: *Exploring Synchronization in Complex Oscillator Networks.*

[arxiv.org/abs/1209.1335](http://arxiv.org/abs/1209.1335)[math-OC]

H. O. Jacobs, T. S. Ratiu, M. Desbrun: *On the coupling between an ideal fluid and immersed particles.*

[arXiv:1208.6561v1](http://arxiv.org/abs/1208.6561v1)[math-DS]

A. M. Bloch, P. J. Morrison, T. S. Ratiu: *Gradient flows in the normal and Kähler metrics and triple bracket generated metriplectic systems.*

[arxiv.org/abs/1208.6193](http://arxiv.org/abs/1208.6193)[math-ph]

M. Epstein, R. Segev: *Geometric Aspects of Singular Dislocations.*

[arxiv.org/abs/1208.4215](http://arxiv.org/abs/1208.4215)[math-PH]

M. Seslija, J. M. A. Scherpen, A. van der Schaft: *Explicit Simplicial Discretization of Distributed-Parameter Port-Hamiltonian Systems.*

[arxiv.org/abs/1208.3549](http://arxiv.org/abs/1208.3549)[cs-SY]

F. Dörfler, M. Chertkov, F. Bullo: *Synchronization in Complex Oscillator Networks and Smart Grids.*

[arxiv.org/abs/1208.0045](http://arxiv.org/abs/1208.0045)[math-OC]

L. Carlone, V. Srivastava, F. Bullo, G. Calafiore: *Distributed Random Convex Programming via Constraints Consensus.*

[arxiv.org/abs/1207.6226](http://arxiv.org/abs/1207.6226)[math-OC]



## Other Conferences

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### **Lie and Klein; the Erlangen program and its impact on mathematics and physics**

September 20-22, 2012. Strasbourg, France  
<http://www-irma.u-strasbg.fr/article1173.html>

### **56th Annual Meeting of the Australian Mathematical Society**

September 24-27, 2012. Victoria, Australia  
<http://www.ballarat.edu.au/schools/school-of-science-and-technology/australian-mathematical-society-56th-annual-meeting>

### **XV Spanish-French School on Numerical Simulation in Physics and Engineering**

September 24-28, 2012. Málaga, Spain  
<http://edanya.uma.es/ehf2012>

### **Mathematics and Physics of Moduli Spaces**

September 24-28, 2012. Heidelberg, Germany  
<http://www.match.uni-heidelberg.de/MPMS/>

### **Tensors and Their Geometry in High Dimensions**

September 26-29, 2012. Berkeley, California, USA  
<http://math.berkeley.edu/~oeding/RTG/index.html>

### **New trends in Dynamical Systems (on the occasion of Jaume Llibre's 60th birthday)**

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  
<http://www.msc2012.org/>

### **4th Iberian Mathematical Meeting**

October 5-7, 2012. Valladolid, Spain  
<http://www.imm4.uva.es/>

### **ICERM Workshop: Uncertainty Quantification**

October 8-12, 2012. Providence, Rhode Island, USA  
<http://icerm.brown.edu/sp-f12-w2>

### **Workshop on geometry and statistics in bioimaging: Manifolds and stratified spaces**

October 8-12, 2012. Sonderborg, Denmark  
<http://csgb.dk/activities/2012/geostat/>

### **School on Conformal Blocks**

October 15-19, 2012. ICMAT, Madrid, Spain  
<http://confblocks.sciencesconf.org>

### **Fields Medal Symposium**

October 15-18, 2012. Toronto, Canada  
<http://blog.fields.utoronto.ca/symposium/>

### **XIX Encuentro de Topología**

October 19-20, 2012. A Coruña, Spain  
<http://etop2012.udc.es/?q=node/22>

### **International Symposium: Alan Turing's legacy**

October 23-24, 2012. Madrid, Spain  
<http://www.fundacionareces.es/fundacionareces/cargarAplicacionAgendaEventos.do?verPrograma=1&idTipoEvento=1&identificador=1440&nivelAgenda=2>

### **15th Latin American Control Conference**

October 23-26, 2012. Lima, Peru  
<http://congreso.pucp.edu.pe/clca-2012/>

### **Hyper-Kahler Geometry**

October 29-November 2, 2012. Stony Brook, New York, USA  
<http://scgp.stonybrook.edu/archives/3434>

### **The 13th International Conference of Mathematics and its Applications**

November 1-3, 2012. Timisoara, Romania  
<http://www.mat.upt.ro/ICMA2012/index.htm>

### **Adventures in Mathematical Physics/Aventures en Physique Mathématique**

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

### **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](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.  
**Application deadline: October 1, 2012.**  
<http://www.kitp.ucsb.edu/activities/dbdetails?acro=qcontrol-c13>

### **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/geometrycqft.html>

### **EUROMATH 2013: European Student Conference in Mathematics**

April 10-14, 2013. Gothenburg, Sweden  
[www.euromath.org](http://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>

### **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.  
**Deadline for submitting draft manuscripts: Sept.17, 2012.**  
<http://a2c2.org/conferences/acc2013/>

### **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>

### **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.

**Deadline for proposals: Oct. 19, 2012.**

[www.ecc13.ch](http://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>

**NOLCOS 2013**

Sept. 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](mailto:gmcnet@ull.es)**