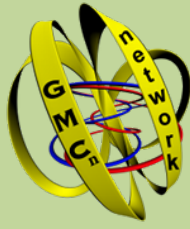


GMC Network Infosheet

May 2015



Geometry, Mechanics and Control Network Infosheet

May 2015

Editors: Javier de Lucas, Pedro
Daniel Prieto, Cristina Sardón

CONTENTS

Network's activities	
9th Summer School on GMC	
Job offers, fellowships and awards	
Ph.D. Offers ... 1	
Postdoctoral offers ... 2	
Offers for senior researchers ... 3	
Visiting researchers ... 4	
Awards ... 7	
Financial support for research projects and conferences ... 7	
Interesting news and publications	
Network's members 8 and collaborators 9 preprints and papers	
Other conferences	

Network's activities

9th International ICMAT Summer School on Geome- try, Mechanics and Control.

June 29–July 3, 2015. La Cristalera, Miraflores de la Sierra,
Madrid, Spain.

Courses:

- DAN CRISTOFARO-GARDIER (Harvard University, USA): *Symplectic embedding problems.*
- FLORIAN DIACU (University of Victoria, Canada): *The N-body problem in spaces of constant curvature.*
- CHRIS WOODWARD (Rutgers University, USA): *Integrable systems, Floer Theory and the minimal model program.*

Deadline: Closed.

<http://gmcnet.webs.u11.es/?q=activity-detail1/1338>

Job offers, fellowships and awards

Ph.D. offers

2 PhD Studentships in Fluid Dynamics.

Department of Engineering.

University of Cambridge, United Kingdom.

Closing date: June 15, 2015.

<http://www.jobs.ac.uk/job/ALC706/2-phd-studentships-in-fluid-dynamics/>

PhD Studentship: Lattice Boltzmann modelling and simulation of shale gas in nano-pores.

Plymouth University.

Plymouth, United Kingdom.

Closing date: June 19, 2015.

<http://www.jobs.ac.uk/job/ALF347/>

PhD EPSRC Studentship in the chemo-mechanics of fracture.

School of Civil Engineering and Geosciences.

Newcastle University, United Kingdom.

Closing date: June 26, 2015.

<http://www.jobs.ac.uk/job/ALG566/>

Applied Optimization and Mathematical Modelling of Future Energy Systems Integration - PhD.

Energy Institute.

University College Dublin, Ireland.

Closing date: June 30, 2015.

<http://ec.europa.eu/euraxess/index.cfm/jobs/jobDetails/34004424>

PhD Thesis: Fault Tolerant Fuel Cell Systems.

Labex Action.

France.

Closing date: July 14, 2015.

<http://www.labex-action.fr>

PhD Studentship in Calculus of Variations and Geometric Measure Theory.

University of Sussex.

Falmer, United Kingdom.

Closing date: August 31, 2015.

<http://www.jobs.ac.uk/job/ALF502/>

PhD Studentship in Theory of Partial Differential Equations and applications to Mathematical Fluid Dynamics.

University of Sussex.

Postdoctoral fellowships

Postdoctoral Research Fellowship in Fluid Mechanics.

University of Oslo.

Oslo, Norway.

Closing date: June 18, 2015.

<http://ec.europa.eu/euraxess/index.cfm/jobs/jobDetails/34016417>

Research Associate / Fellow in Quantum Information.

Mathematical Sciences.

University of Nottingham, United Kingdom.

Closing date: June 22, 2015.

<http://www.jobs.ac.uk/job/ALE680/>

Research Fellow in Modelling of Multi-phase Flows and Sprays.

School of Computing, Engineering and Mathematics.

University of Brighton, United Kingdom.

Closing date: June 26, 2015.

<http://www.jobs.ac.uk/job/ALG028/>

Research Associate in Pure Mathematics.

Department of Mathematics.

Falmer, United Kingdom.

Closing date: August 31, 2015.

<http://www.jobs.ac.uk/job/ALE536/>

PhD Studentship on Microscopic Models for Phase Transition (2015).

University of Sussex.

Falmer, United Kingdom.

Closing date: August 31, 2015.

<http://www.jobs.ac.uk/job/ALD741/>

PhD Studentship on Resonances for the Dirac Equation with Applications to Heavy-Ion Collisions (2015).

University of Sussex.

Falmer, United Kingdom.

Closing date: August 31, 2015.

<http://www.jobs.ac.uk/job/ALD742/>

Fully funded PhD studentships in the area of Quantum Systems Engineering for Quantum Technologies.

Loughborough University.

Loughborough, United Kingdom.

Closing date: September 2, 2015.

<http://www.jobs.ac.uk/job/ALG695/>

Imperial College London, United Kingdom.

Closing date: July 2, 2015.

<http://www.jobs.ac.uk/job/ALG524/>

Postdoctoral Research Fellow.

School of Mathematics, Statistics & Actuarial Science.

University of Kent, United Kingdom.

Closing date: July 5, 2015.

<http://www.jobs.ac.uk/job/ATV814/>

Post-Doctoral Research Scientist.

University of California, Los Angeles.

Los Angeles, USA.

Closing date: August 1, 2015.

<http://sciences.academickeys.com/job/10muzvdq/>

Postdoctoral Research grants For Academic Year 2016-2017.

Grants for U.S. Senior Lecturers, Senior Postdoctoral Researchers, and Junior Postdoctoral Researchers.

Fulbright España.

Closing date: August 3, 2015.

<http://www.fulbright.es/convocatorias/ver/1454/postdoctoral-research/2016-2017>

Marie Skłodowska-Curie Individual Fellowships (IF).

Program Horizon 2020.
European Commission.

Closing date: September 10, 2015.

<https://ec.europa.eu/research/participants/porta14/desktop/en/opportunities/h2020/calls/>

[h2020-msca-if-2015.html](http://www.fulbright.es/convocatorias/ver/1454/postdoctoral-research/2016-2017)

Postdoctoral Research Fellow (JOB ID 3377).

California State University.
Northridge, USA.

Closing date: Open until filled.

<http://sciences.academickeys.com/job/49vku1ea/>

Offers for researchers

Professor.

Nicolaus Copernicus University.
Toruń, Poland.

Closing date: June 10, 2015.

<http://ec.europa.eu/euraxess/index.cfm/jobs/jobDetails/34014570>

Senior Lecturer.

Nicolaus Copernicus University.
Toruń, Poland.

Closing date: June 15, 2015.

<http://ec.europa.eu/euraxess/index.cfm/jobs/jobDetails/34016751>

Associate Lecturer in Mathematics.

Wheatley Campus, Oxford Brookes University.
Oxford, United Kingdom.

Closing date: June 19, 2015.

<http://www.jobs.ac.uk/job/ALF730/>

Lecturer in Applied Mathematics.

School of Mathematics.
University of Leeds, United Kingdom.

Closing date: June 23, 2015.

<http://www.jobs.ac.uk/job/ALD134/>

Lecturer in Mathematics.

School of Computing, Science and Engineering.
University of Salford, Manchester, United Kingdom.

Closing date: June 25, 2015.

<http://www.jobs.ac.uk/job/ALG588/>

Lecturer in Applied Mathematics Grade 7/8 (Full or Part-Time).

Faculty of Science and Engineering / School of Physical Sciences, Department of Mathematical Sciences.

University of Liverpool, United Kingdom.

Closing date: July 3, 2015.

<http://www.jobs.ac.uk/job/ALG515/>

Lecturer in Applied Mathematics.

School of Mathematics.
University of Manchester, United Kingdom.

Closing date: July 31, 2015.

<http://www.jobs.ac.uk/job/ALF784/>

Assistant/Associate Professor in Mathematics.

University of Kurdistan Hewler.
Kurdistan, Iraq.

Closing date: August 1, 2015.

<http://www.jobs.ac.uk/job/ALG266/>

Faculty Positions in Mathematics.

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

Closing date: Rolling Advertisement.

<http://sciences.academickeys.com/job/iufamyc t/>

Assistant/Associate Professor Mathematical Physics (Tenure Track).

The Australian College of Kuwait.
Kuwait.

Closing date: Open until filled.

<http://sciences.academickeys.com/job/bsoyfv3/>

Mathematics and Physics Faculty.

Coppin State University.
Baltimore, Maryland, USA.

Closing date: Open until filled.

<https://employment.coppin.edu/postings/899>

Assistant/Associate/Full Professor of Mathematics.

American University of the Middle East (AUM).
Al Kuwait, Egaila, Kuwait.

Closing date: Open until filled.

<http://sciences.academickeys.com/job/sab513ik/>

Assistant Professor (Mathematical Physics).

Departments of Mathematics and Physics, SIU Carbondale.

Carbondale, Illinois, USA.

Closing date: Open until filled.

<http://www.all-acad.com/Job/J0152197/>

Assistant Professor of Mathematics.

Rogers State University.

Claremore, Oklahoma, USA.

Closing date: Open until filled.

<http://www.all-acad.com/Job/J0152265/>

Associate Professor/Assistant Professor (3 posts) in Mathematics.

Department of Mathematics.

University of Hong Kong.

Closing date: Open until filled.

<http://jobs.hku.hk/jd.php?id=201401325>

Offers for visiting researchers

Inter- and Intra-Country Lecturers. For Academic Year 2014-2015.

Lecturing/participation in seminars primarily at graduate level, at one or more Spanish institutions of higher learning. Requirements: United States citizenship, current or former U.S. Fulbright senior scholar in Europe, North Africa or the Middle East still in the area. The Spanish institution must submit a request to the Commission on the application provided.

Fulbright Commission.

Closing date: July 31, 2015.

<http://www.fulbright.es/convocatorias/ver/1445/inter-and-intra-country-lecturers/2014-2015>

Abel Visiting Scholar Program.

The Niels Henrik Abel Board.

The International Mathematical Union.

The Niels Henrik Abel Board and the International Mathematical Union invite applications from mathematicians professionally based in developing countries to visit an international research collaborator for a period of one month. The period is extendable for up to three months in the case of matching support from the host institution. The program is designed for post doctoral mathematicians in the early stages of their professional careers. It is designed to offer the opportunity for a research sabbatical, a necessary complement to teaching and other academic duties for mathematicians desiring to also sustain a viable research program.

Closing date: August 31, 2015 for research visits between January 1 and April 30, 2016. .

<http://www.mathunion.org/cdc/grants/abel-visiting-scholar-program/>

Research in pairs in the Mathematisches Forschungsinstitut Oberwolfach.

Mathematisches Forschungsinstitut Oberwolfach. Oberwolfach, Germany.

The stay of a research "pair", which means at least two and at most four people, can last between two weeks and three months. It is required that not all participants come from the same place. The Institute will provide office space, accommodation (full board and lodging), and an allowance for incidental expenses. Travel expenses can be reimbursed only in exceptional cases. **Closing date: Applications must be sent 6 months before planned stay.**

<http://www.mfo.de/for-guest-researchers/apply-for-a-stay/apply-for-research-in-pairs>

Hausdorff Trimester Program (HTP).

University of Bonn.

Bonn, Germany.

During a Hausdorff Trimester Program, which lasts four months, the Institute invites a group of mathematicians or economists from all over the world to carry out research with a special emphasis on collaborative activities. The Institute can host up to 30 mathematicians at any one time and tries to distribute these places between senior mathematicians, postdocs and PhD students. The theme of each program is open to suggestion via applications from groups of leading scientists. The applications are decided by the Scientific Advisory Board. The overall topic can come from all areas of mathematics, mathematical economy, and mathematical physics. During the programs one or the other workshop is organized as well as perhaps lecture series or schools. The stays are fully financed by the Institute. **Closing date: October, 31, 2015.**

<http://www.him.uni-bonn.de/application/program-application/>

Focused research groups: Banff International Research Station.

Banff, Alberta, Canada.

The Focused Research Groups program offers teams of up to 8 researchers the opportunity to live and work at the BIRS facility for periods of 1 to 2 weeks, in order to concentrate on their research, or to finish major projects. Focused Research Groups run Sunday to Sunday. Teams: Should consist of individuals from different institutions. Accommodation: Full accommodation (single room and meals) are provided for resident members. Two dedicated discussion rooms with computer work stations are provided for the use of the group. Proposals: Should detail the area of collaboration, list the team members and their institutions, and justify the case for using BIRS. Dates: Organizers may suggest any Sunday to Sunday period of 1 to 2 weeks from January 11 to December 6, 2015 or any Sunday to Sunday period from January 10 to December 4, 2016. Application: Use the online form to apply. Proposals for Focused Research Groups must be received a minimum of 4 months before the proposed start of the event. Summary article: The organizers are required to submit, upon completion of their program, a 2-4 page article reviewing the aims and progress of the research project.

Closing date: a minimum of 4 months before the proposed start of the event.

<http://www.birs.ca/programs/general-program-descriptions>

Centre International de rencontres mathématiques (CIRM).

CIRM, Marseille.

Marseille, France.

Research in pairs (2 to 3 researchers for 2 to 3 weeks. CIRM subsidizes board and lodging for people not based in the region).

Closing date: Anytime.

<http://www.cirm-math.fr/>

Research in groups at ICMS.

International Center for Mathematical Sciences. Edinburgh, Scotland.

This ICMS programme invites applications from small groups of researchers (between 2 to 4) who wish to organise a short, intensive period of research in Edinburgh. At least one researcher must be based in the UK. Not all researchers should be from the same university with a maximum of two researchers from any one university. The Programme Committee will consider proposals throughout the year.

Closing date: Throughout the year, April 30, August 30, December 30.

<http://www.icms.org/proposals/rigs>

Research in groups SQUARES.

International Center for Mathematical Sciences in Palo Alto.

Palo Alto, California.

The purpose of AIM's research program called SQuaREs (Structured Quartet Research Ensembles) is to allow a dedicated group of four to six mathematicians to spend a week at AIM in Palo Alto, California, with the possibility of returning in following years. A SQuaRE could arise as a followup to an AIM workshop, or it could be a free-standing activity. AIM will provide both the research facilities and the financial support for each SQuaRE group. We solicit SQuaREs in all areas of pure and applied mathematics. Preference is given to groups which contain a mix of junior and senior researchers, and to groups which have participants from North America. SQuaREs usually meet during weeks when there are no workshops at AIM. SQuaRE proposals will be accepted beginning in summer, 2015.

Closing date: November 1, 2015.

aimath.org/programs/squares

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>

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 generally two months before the start of the desired stay. An answer will be given no later than one month after submission of the applications.

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

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

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 CRM.

Centre de Recerca Matemàtica.

Catalonia, Spain.

The CRM offers the possibility of hosting researchers wishing to stay at the Centre for a period normally ranging from one to six months, preferably having a research plan and a scientific connection with long-term CRM visitors or researchers based at a university in Catalonia. Researchers from Catalan universities can apply if they are free from teaching duties during the period of their stay at the CRM. Visitors will be provided with office space and working facilities at the Centre, as well as house-finding assistance if necessary. Support for housing expenses can be requested, although the CRM can only assign an overall small amount of support to visits outside its Research Programmes. Visits should be carried out during the academic year (from September to July). A resolution will be given by the CRM no later than three months after submission of the application.

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

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

Research in Pairs in Barcelona.

Centre de Recerca Matemàtica.

Catalonia, Spain.

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

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

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

Visiting the IMUS.

IMUS.

University of Sevilla, Spain.

IMUS offers the possibility of hosting researchers wishing to stay at the Institute for a period ranging from one to twelve months. Priority will be given to those researchers having a research plan, with likely a training proposal in their fields, to be developed in collaboration with IMUS members. 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(*). Nevertheless, IMUS could help to apply for external financial sources, especially for those researchers who are in a sabbatical period from their home institution.

Applications can be submitted at any time by filling out this form. For short periods (around 2 months), it will be enough to submit the application 2 months before the initial date of the desired stay. For longer periods, we recommend to submit the application 1 year before the starting date.

An answer will be given within one month of the submission of the application.

Closing date: Applications can be submitted at

any time.

<http://www.imus.us.es/es/contenido/intercall>

Awards

EMS Monograph award.

Prize: 10000 euros

Closing date: June 30, 2015.

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

Experimental sciences, Physics: Real academia de Doctores de España awards.

Prize: 1000 euros

Closing date: June 30, 2015.

<http://www.radoctores.es/bases-premios.php>

Financial support for research projects and conferences

Call for proposals for scientific activities 2016.

The EMS Meetings Committee calls for nominations or proposals of speakers and scientific events in 2016. The Executive Committee of the EMS, via its Meetings Committee, is willing to provide support that may cover the cost of the EMS Lecturers and of Distinguished Speakers, and to give partial support to the organization of EMS Weekends and of EMS Summer Schools. Since resources are scarce, only a limited number of events can be supported. Events within Europe and speakers with profound relations to European academic institutions will be given preference.

Deadline: September 30, 2015.

<http://http://www.euro-math-soc.eu/news/13/01/10/call-proposals-scientific-activities-2016>

The European research Council Grants.

You will find all you need to know to apply

for a grant from the European Research Council (ERC). ERC grants are open to researchers of any nationality in the world, any scientific field, any age. **Deadline: June 2, October 1, 2015.**

<http://erc.europa.eu/funding-and-grants/apply-funding/call-proposals>

Research Professionals.

Based in London, Research Professional provides an international option for people seeking research-funding programs. A paid subscription is required for access.

Deadline: All year round.

<http://www.researchresearch.com/>

The Royal Society Grants.

Fund about 1500 researchers, including approximately 600 research fellows, through grant schemes.

Deadline: All year round.

<https://royalsociety.org/grants/>

Interesting news and publications

Journal of Geometric Mechanics (JGM).

Volume 7, Number 2, June 2015.

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

IMU-Net 70.

March 2015.

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

ICMAT Newsletter.

Ninth number.

<http://www.icmat.es/outreach/newsletter/num9>

Reports@SCM.

Reports@SCM is a non-profit electronic research journal on Mathematics published by the Societat

Catalana de Matemàtiques (SCM) which originated from the desire of helping students and young researchers in their first steps into the world of research publication.

<http://revistes.iec.cat/index.php/reports/>

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

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/>

Online textbooks: MIT OPEN COURSE-WARE.

Online textbooks by department Mathematics:
<http://ocw.mit.edu/courses/online-textbooks/>

Free online courses in Mathematics.

Free online courses of reputable North American Universities. https://www.edx.org/course?search_query=mathematics

Search of academic jobs in Mathematics in Europe.

Look for PhD, post doc positions, research assistant, etc. [http://academicpositions.eu/?s=&positions\[\]=post-doc&gclid=CI2AgK6-7MUCFc_I tAodMCEAIQ](http://academicpositions.eu/?s=&positions[]=post-doc&gclid=CI2AgK6-7MUCFc_I tAodMCEAIQ)

Search of academic jobs in Mathematics in the UK.

Look for PhD, post doc positions, research assistant, etc. <http://www.jobs.ac.uk/categories/postdoc-jobs>

Search of academic jobs in Mathematics worldwide.

Look for PhD, post doc positions, research assistant, etc. <http://www.findapostdoc.com/>, <https://www.postdocjobs.com/>

Search of academic jobs in Mathematics in Spain.

Look for PhD, post doc positions, research assistant, vacant jobs, lectureships <http://www.indeed.com/q-Postdoctoral-jobs.html>, <http://www.madrimasd.org/>

Courses online of Mathematics, Physics,...

Courses from 62 universities.
<https://www.coursera.org/courses?orderby=upcoming>

Advice for New Ph.D.'s.

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

Professional network for scientists.

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

The American Mathematical Society bookstore.

<http://www.ams.org/bookstore/whatsnew>

Network's members preprints and papers

C.S. Shahbazi and M. Zambon: *Products of multisymplectic manifolds and homotopy moment maps.*

1504.08194

[math.DG math.QA math.SG]

A. Enciso, D. Peralta-Salas and F. Torres de Lizaola: *Knotted structures in high-energy Beltrami fields on the torus and the sphere.*

1505.01605

[math.AP math.DG math.SP]

K. Ebrahimi-Fard, A. Lundervold, I. Mencattini and H.Z. Munthe-Kaas: *Post-Lie algebras and isospectral flows.*

1505.02436

[math.RA math-ph math.MP]

J. Clemente-Gallardo and G. Marmo: *Klein's programme and quantum mechanics.*

1505.05530

[quant-ph math-ph math.MP]

A. Enciso, D. Hartley and D. Peralta-Salas: *Laplace operators with eigenfunctions whose nodal set is a knot.*

1505.06684

[math.SP math.DG]

J.F. Cariñena and J. de Lucas: *Quasi-Lie families, schemes, invariants and their applications to Abel equations.*

1505.07241

[math.CA math.DG]

L.C. García-Naranjo, J.C. Marrero, E. Pérez-Chavela and M. Rodríguez-Olmos: *Classification and stability of relative equilibria for the two-body problem in the hyperbolic space of dimension 2.*

1505.01452

[math-ph math.DS math.MP]

A. Ibort and A. Spivak: *Covariant hamiltonian field theories on manifolds with boundary: Yang-Mills theories.*

1506.00338

[math-ph math.DG math.MP math.SG]

V. Dragovic, B. Gajic and B. Jovanovic: *On the completeness of the Manakov integrals.*

1504.07221

[nlin.SI math-ph math.DG math.MP]

J.-L. Tu and P. Xu: *Periodic cyclic homology and equivariant gerbes.*

1504.08064

[math.KT math.AT math.DG]

B. Helffer, Y. Kordyukov, N. Raymond and S. Vu Ngoc: *Magnetic wells in dimension three.*

1505.03434

[math-ph math.MP]

M. Asorey, A.P. Balachandran and J.M. Perez-Pardo: *Edge states at phase boundaries and their stability.*

1505.03461

[math-ph hep-th math.MP]

D.D. Holm and H.O. Jacobs: *Jet vortex methods.*

1505.05950

[physics.flu-dyn math.DS math.SG]

W.H. Meeks III, J. Perez and A. Ros: *The local picture theorem on the scale of topology.*

1505.06761

[math.DG]

W.H. Meeks III and J. Perez: *Finite topology minimal surfaces in homogeneous three-manifolds.*

1505.06764

[math.DG]

M. Montero: *Classical-like behavior in quantum walks with inhomogeneous, time-dependent coin operators.*

1505.07996

[quant-ph math-ph math.MP math.PR]

S. Abenda and P.G. Grinevich: *Rational degeneration of M -curves, totally positive Grassmannians and KP-solitons.*

1506.00563

[nlin.SI math-ph math.MP]

Other Conferences

Classical and Stochastic Geometric Mechanics.

June 8–12, 2015.

<http://bernoulli.epfl.ch/PublicEvent.php?event=1044>

AIM Workshop: Mathematical aspects of physics with non-self-adjoint operators.

June 8–12, 2015. Palo Alto, United States.

<http://aimath.org/workshops/upcoming/nonseladjoint>

AMS-EMS-SPM International Meeting 2015.

June 10–13, 2015. Porto, Portugal.

<http://aep-math2015.spm.pt/>

PDEs. Potential Theory and Function Spaces.

June 13–17, 2015. Lonkoping, Sweden.

<http://conferences.mai.liu.se/PPF-2015/>

Nordfjordeid Summer school 2015 “Lie groups and pseudogroups actions: From classical to differential invariants”.

June 14–18, 2015. Nordfjordeid, Norway.

<http://serre.mat-stat.uit.no/slcc2015/Nordfjordeid-2015-Lie-theory.htm>

PODE2015- Progress on Difference Equations 2015.

June 15–18, 2015. Covilha, Portugal.

<http://www.pode2015.ubi.pt/>

Physics and Mathematics of Nonlinear Phenomena 2015.

June 20–27, 2015. Gallipoli, Italy.

<http://www.euro-math-soc.eu/event/sat-20-june-15-0000/physics-and-mathematics-nonlinear-phenomena-2015>

International conference “Dynamical Systems and Their Applications”.

June 22–26, 2015. Kiyv, Ukraine.

<http://cds2015.imath.kiev.ua/>

Geometric topology, geometric group theory and dynamical systems.

June 22–26, 2015. Dubrovnik, Croatia.

<http://web.math.pmf.unizg.hr/~sonja/Dubrovnik.html>

The Eighth Congress of Romanian Mathematicians.

June 25–30, 2015. Iasi, Romania.

<http://www.imar.ro/congmatro8/conf.php>

Differential geometrie im Groben.

June 28–July 4, 2015. Oberwolfach, Germany.

<http://www.mfo.de/www/schedule/2015/all>

GEOSYM2015-Geometry and Symmetry.

June 29–July 3, 2015. Veszprém, Hungary.

<http://geosym.mik.uni-pannon.hu/>

Conference on Geometric Group Theory (Januszkiewicz conference).

June 29–July 3, 2015. Wroclaw, Poland.

<http://www.math.uni.wroc.pl/ggt/>

2015 American Control Conference.

July 1–3, 2015. Chicago, USA.

<http://acc2015.a2c2.org/>

The 2015 International Conference of Applied and Engineering Mathematics.

July 1–3, 2015. London, UK.

<http://www.iaeng.org/WCE2015/ICAEM2015.html>

EQUADIFF 2015.

July 6–10, 2015. Lyon, France.

<http://equadiff2015.sciencesconf.org/>

Classical and quantum hyperbolic geometry and topology.

July 6–10, 2015. Orsay, France.

<http://www.math.u-psud.fr/~paulin/Bonahon2015.html>

SIAM conference on Control and its applications.

July 8–10, 2015. Paris, France.

<http://www.siam.org/meetings/ct15/>

International Conference on Recent Trends in Mathematics (ICRTM2015).

July 10–12, 2015. India.

<http://www.euro-math-soc.eu/event/fri-10-jul-15-0900/international-conference-recent-trends-mathematics-icrtm2015>

Integrability in algebra, geometry and physics: new trends.

July, 12–17, 2015. Ascona, Switzerland..

<http://www.maths.gla.ac.uk/~mf/APV60/>

3rd Conference on Finite Dimensional integrable Systems in Geometry and Mathematical Physics 2015.

July, 12–17, 2015. Bedlewo, Poland.

<http://fdis2015.wfa.uz.zgora.pl/>

ICNODEA-2015- International Conference on Nonlinear Operators, Differential Equations and Applications.

July 14–17, 2015. Cluj-Napoca, Romania.

<http://www.cs.ubbcluj.ro/~icnodeacj/index.htm>

2015 European Control Conference.

July 15–17, 2015. Linz, Austria.

<http://ecc15.at/>

Operator algebras and Quantum systems.

July, 17–23, 2015. USP-Sao Paulo, Brazil..

<http://icmp2015.satellite.ime.usp.br/>

XVIII Diffiety School on Geometry of PDEs.

July 20–August 4, 2015. Italy.

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

XVIII International Congress on Mathematical Physics.

July 27–August 1, 2015. Santiago de Chile, RM, Chile.

<http://www.icmp2015.cl/>

Partial Differential Equations.

August 2–8, 2015. Oberwolfach, Germany.

<http://www.mfo.de/www/schedule/2015/all>

Summer school in current topics in Mathematical Physics.

August 3–8, 2015. Viña del Mar, Chile.

<http://www.fis.puc.cl/~smp2015/frontpage.html>

ICIAM 2015. 8th International Congress on Industrial and Applied Mathematics.

August 10–14, 2015. Beijing. China.

<http://www.iciam2015.cn/>

20th International Summer School on Global Analysis and Applications “General Relativity: 100 years after Hilbert”.

August 17–21, 2015. Slovakia.

<http://www.lepageri.eu/summer-school>

Nonlinear Control and Geometry.

August 24–28, 2015. Bedlewo, Poland..

<http://bcc.impan.pl/15Nonlinear/>

School and Workshop on Geometry of Discrete Actions.

August 24–September 4, 2015. ICTP Trieste, Italy.

<http://indico.ictp.it/event/a14294/overview>

The 5th International Conference on Control and Optimization with Industrial Applications.

August 27–29, 2015. Baku, Azerbaijan.
<http://www.coia-conf.org/en/>

IMA Conference on Numerical Methods for Simulation.

August 31–September. UK.
http://ima.org.uk/conferences/conferences_calendar/numerical_methods_for_simulation.html

XXIV edition of the International Fall Workshop on Geometry and Physics.

September 1–4, 2015. Zaragoza. Spain.
<http://cud.unizar.es/xxivifwgpzgz/home>

Symplectic geometry and topology.

September 1–December 11, 2015. Institut Mittag-Leffler, Sweden.
<http://www.mittag-leffler.se/?q=1516f>

School and International Conference on Geometry and Quantization (GEO-QUANT 2015).

September 7–18, 2015. ICMAT. Spain.
<http://math.uni.lu/geoquant15/>

IMA Conference on Mathematics of Robotics.

September 8–11, 2015. UK.
http://ima.org.uk/conferences/conferences_calendar/mathematics_of_robotics.html

Moduli spaces in algebraic geometry and mathematical physics.

September 14–18, 2015. Tianjin, China.
<http://modulinspacestianjin2015.altervista.org/>

The 96th Encounter between Mathematicians and Theoretical Physicist: Geometry and biophysics.

September 17–19, 2015. Strasbourg, France.
<http://www-irma.u-strasbg.fr/article1453.html>

Symposium on Latest Advances in Inverse Problem and its Application to Science and Engineering.

September 23–29, 2015. Rodos, Greece.
<http://www.icnaam.org/>

Controllability of Partial Differential Equations and Applications.

November 9–13, 2015. Marseille, France.
http://www.cirm-math.fr/spip.php?rubrique2&&EX=liste_rencontre&&annee=2015&&lang=en

Higher Structures in String Theory and Quantum Field Theory.

November 16–December 18, 2015. Wien, Viena.
<http://www.esi.ac.at/activities/events/2015/higher-structures-in-string-theory-and-quantum-field-theory>

Geometric Partial Differential Equations: surface and Bulk Processes.

November 29–December 5, 2015. Oberwolfach, Germany.
<http://www.mfo.de/www/schedule/2015/all>

Conference on General Relativity.

January 5–9, 2016. Hainan, China.
http://www.ams.org/meetings/calendar/2016-jan-5-9_hainan.html

Connections for Women: Differential Geometry Workshop.

January 14–15, 2016. Berkeley, California, USA.
<http://www.msri.org/workshops/702>

Introductory workshop to modern Riemannian Geometry.

March 21–25, 2016. Berkeley, California, USA.
<http://www.msri.org/workshops/704>

Kähler Geometry, Einstein Metrics and Generalizations.

March 21–25, 2016. Berkeley, California.
<http://www.msri.org/workshops/704>

7th 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