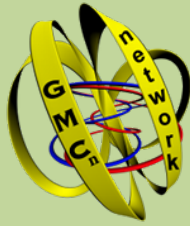


# GMC Network Infosheet

December 2015



## Geometry, Mechanics and Control Network Infosheet

December 2015

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## Network's activities

### 10th International Young Researcher Workshop on Ge- ometry, Mechanics and Control.

Three minicourses:

- *An introduction to Dirac geometry* (Ioan Marcu, Rad-  
boud Universiteit Nijmegen, The Netherlands)
- *Distributed methods for optimization in control*  
(Giuseppe Notarstefano, Università del Salento, Italy)
- *Introduction to discrete weak KAM theory* (Maxime Za-  
vidovique, Institut de Mathématiques de Jussieu, Univer-  
sité Pierre et Marie Curie, France)

The courses will be at a PhD and postdoctoral level. There will also be contributed short talks (30 minutes) and a poster session. Attendance is open to anyone, in particular young researchers (PhD students and recent PhD's) are encouraged to submit a talk or poster proposal. Institut Henri Poincaré, Paris, France. January 13–15, 2016.

<http://gmcnet.webs.u11.es/?q=activity-detail1/1396>

### XVIII Winter Meeting on Geometry, Mechanics and Control.

University of Zaragoza. Zaragoza, Spain.  
January 26–27, 2016.

### Thematic day on Integrability.

University of Zaragoza. Zaragoza, Spain.  
January 28, 2016.

## Job offers, fellowships and awards

### Ph.D. offers

#### PhD Studentship: Control of turbulent fluids.

Aerodynamics & Flight Mechanics Research Group.  
University of Southampton.

**Closing date: January 4, 2016.**

<http://www.all-acad.com/Job/J0174599/>

#### PhD studentship - Hydrodynamic simulations of rotat- ing black holes: theory & experiment.

Department of Mathematical Sciences.  
University of Nottingham.

**Closing date: January 10, 2016.**

<http://www.all-acad.com/Job/J0178076/>

**Parameter-dependent multi-scale methods and lattice sums for partially degenerate families of PDE.**

Mathematical Sciences.  
University of Bath, UK.

**Closing date: 14 January 2016.**

<http://www.jobs.ac.uk/job/AMH815/>

**New examples of multiscale effective models for the system of Maxwell equations in periodic composite media.**

Mathematical Sciences.  
University of Bath, UK.

**Closing date: 14 January 2016.**

<http://www.jobs.ac.uk/job/AMH819/>

**Representations and Homology.**

School of Mathematics.  
University of East Anglia, Norwich, UK.

**Closing date: 14 January 2016.**

<http://www.jobs.ac.uk/job/AMN218/>

**Representations of symmetric groups and related algebras.**

School of Mathematics.  
University of East Anglia, Norwich, UK.

**Closing date: 14 January 2016.**

<http://www.jobs.ac.uk/job/AMN217/>

**Topological defects in superfluids and other physical systems.**

School of Mathematics.  
University of East Anglia, Norwich, UK.

**Closing date: 14 January 2016.**

<http://www.jobs.ac.uk/job/AMN200/>

**Statistical properties of dynamical systems with infinite measure.**

EPSRC funded PhD in Mathematics.  
University of Exeter, UK.

**Closing date: 17 January 2016.**

<http://www.jobs.ac.uk/job/AMP026/>

**Stress and Epilepsy: The role of the HPA axis in modulating brain network dynamics.**

EPSRC funded PhD in Mathematics.  
University of Exeter, UK.

**Closing date: 17 January 2016.**

<http://www.jobs.ac.uk/job/AMP032/>

**Modelling Gait in People with Parkinsons Disease.**

EPSRC funded PhD in Mathematics.  
University of Exeter, UK.

**Closing date: 17 January 2016.**

<http://www.jobs.ac.uk/job/AMP047/>

**Uncertainty Quantification for Numerical Models with Multiple Solutions.**

EPSRC funded PhD in Mathematics.  
University of Exeter, UK.

**Closing date: 17 January 2016.**

<http://www.jobs.ac.uk/job/AMP408/>

**Validation of weather and climate models using asymptotic limits.**

EPSRC funded PhD in Mathematics.  
University of Exeter, UK.

**Closing date: 17 January 2016.**

<http://www.jobs.ac.uk/job/AM0859/>

**Mathematical modelling of neuronal activity in the nucleus reuniens: a thalamic region contributing to mammalian cognitive processing.**

EPSRC funded PhD in Mathematics.  
University of Exeter, UK.

**Closing date: 17 January 2016.**

<http://www.jobs.ac.uk/job/AM0899/>

**Predictive models for epilepsy surgery.**

EPSRC funded PhD in Mathematics.  
University of Exeter, UK.

**Closing date: 17 January 2016.**

<http://www.jobs.ac.uk/job/AM0914/>

**PhD candidate in Theoretical Physics.**

Faculty of Science, Institute of Physics.  
University of Amsterdam.

**Closing date: 1 March 2016.**

<http://www.all-acad.com/Job/J0178330/>

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**Postdoctoral fellowships**

**Research Associate.**

School of Mathematics and Statistics.  
University of Sheffield, UK.

**Closing date: 4 January 2016.**

<http://www.jobs.ac.uk/job/AMN076/>

**Post-Doctoral Research Assistant.**

Department of Mathematics & Statistics.  
University of Reading, UK.

**Closing date: 7 January 2016.**

<http://www.jobs.ac.uk/job/AMP122/>

**Daphne Jackson Research Fellow.**

Daphne Jackson Trust & University of Oxford.  
Oxford, UK.

Closing date: 8 January 2016.

<http://www.jobs.ac.uk/job/AMJ724/>

**Post doc Mathematics Boston college.**

Algebraic Geometry.

Boston College.

Closing date: 9 January 2016.

<https://www.mathjobs.org/jobs/jobs/8111>

**Postdoctoral Research Fellow.**

School of Mathematics and Physics.

University of Queensland, Australia.

Closing date: 10 January 2016.

<http://www.jobs.ac.uk/job/AMP805/>

**Hooke Research Fellow.**

Mathematical Institute.

University of Oxford, UK.

Closing date: 11 January 2016.

<http://www.jobs.ac.uk/job/AMP545/>

**Call for BGSMath postdoctoral positions.**

Postdoctoral open call 2016-2018.

UPC-UB-UAB-CRM, Barcelona.

Closing date: 15 January 2016.

<http://www.bgsmath.cat/postdoc-call-nov-2015/>

**Junior Research Fellow in the Sciences.**

Balliol College.

University of Oxford, UK.

Closing date: 15 January 2016.

<http://www.jobs.ac.uk/job/AMM966/>

**Stokes Research Fellowship in Mathematics or Physical Sciences.**

Pembroke College.

Cambridge, UK.

Closing date: 15 January 2016.

<http://www.jobs.ac.uk/job/AMP999/>

**Post doctoral position at KTH Sweden.**

Post doctoral position in Algebraic Geometry.

KTH Stockholm.

Closing date: 15 January 2016.

<https://www.mathjobs.org/jobs/jobs/8273>

**Research Fellow in Algebraic Geometry and Lie Theory.**

School of Mathematics and Statistics, Faculty of Sciences.

The University of Sydney, Australia.

Closing date: 17 January 2016.

<http://www.jobs.ac.uk/job/AMP677/>

**Lecturer in Mathematics.**

School of Mathematics and Statistics, Faculty of Sciences.

The University of Sydney, Australia.

Closing date: 17 January 2016.

<http://www.jobs.ac.uk/job/AMQ516/>

**Research Associate in Geometric Partial Differential Equations.**

Department of Pure Mathematics and Mathematical Statistics.

University of Cambridge, UK.

Closing date: 17 January 2016.

<http://www.jobs.ac.uk/job/AMR132/>

**Research Fellow (77038-125).**

Department of Mathematics, University of Warwick.

Coventry, UK.

Closing date: 19 January 2016.

<http://www.jobs.ac.uk/job/AUB051/>

**Research Associate/Fellow.**

Mathematical Sciences.

University of Nottingham.

Closing date: 6 February 2016.

<http://www.jobs.ac.uk/job/AMR843/>

**Juan de la Cierva Contracts.**

The aim of these fellowships is to promote recruitment of young postdoctoral researchers by R+D centers in Spain.

Universities in Spain.

Closing date: 3 February 2016.

<http://www.idi.mineco.gob.es/portal/site/MICINN/menuitem.dbc68b34d11ccbd5d52ffeb801432ea0/?vgnnextoid=a7fd498e15861510VgnVCM1000001d04140aRCRD&vgnnextchannel=11f35656ecfee310VgnVCM1000001d04140aRCRD>

**Newton Fellowships.**

British Academy.

Universities/Research centers in the UK.

Closing date: Next call around January-February 2016.

[http://www.britac.ac.uk/funding/guide/intl/newton\\_international\\_fellowships.cfm](http://www.britac.ac.uk/funding/guide/intl/newton_international_fellowships.cfm)

**Leverhulme Trust Funding grants.**

The UK.

Universities/Research centers in the UK.

Closing date: Next call January-March 2016.

<https://www.leverhulme.ac.uk/>

**ICMAT Postdoc 2016.**

Institute of Mathematical Sciences.

Madrid, Spain.

**Closing date: 1 March 2016.**

[http://www.icmat.es/severo-choa/HumanResources/ICMat\\_Postdoc2016](http://www.icmat.es/severo-choa/HumanResources/ICMat_Postdoc2016)

### **ETH Zurich Postdoctoral Fellowships.**

Junior Postdoctoral Researchers.

ETH Zurich.

**Closing date: 1 March 2016.**

<https://www.ethz.ch/en/research/research-promotion/eth-internal-programmes/eth-fellowships.html>

### **Humboldt Research Fellowship for Postdoctoral Researchers.**

6-24 month research programs.

Alexander von Humboldt Foundation.

**Closing date: Open all year.**

<https://www.humboldt-foundation.de/web/humboldt-fellowship-postdoc.html>

### **Lisa Meitner Program.**

FWF Austrian Science Fund.

Vienna, Austria.

**Closing date: Open all year.**

<https://www.fwf.ac.at/en/research-funding/application/>

### **Funded postdoctoral fellowship.**

Department of Mathematics and Statistics.

University of Reading.

**Closing date: Open.**

<https://www.reading.ac.uk/maths-and-stats/JobsAndFellowships/maths-fellowships.aspx>

### **Post-Doctoral Scholar, Mathematical Sciences.**

Worcester Polytechnic Institute.

Worcester, MA.

**Closing date: Open until filled.**

<http://sciences.academickeys.com/job/5rmcevdx/>

## **Offers for researchers**

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### **Lecturer/Senior Lecturer in Applied Mathematics (2 posts).**

Department of Applied Mathematics, Liverpool John Moores University.

Liverpool, UK.

**Closing date: 4 January 2016.**

<http://www.jobs.ac.uk/job/AML719/>

### **Ramón y Cajal Contracts.**

National and foreign researchers with an important research trajectory are welcomed to apply for research contracts with future possibility of a steady contract..

Universities in Spain.

**Closing date: 10/12/2015-20/01/2016.**

<http://www.idi.mineco.gob.es/portal/site/MICINN/menuitem.dbc68b34d11ccb5d52ffeb801432ea0/?vgnnextoid=68f8d9ac3f761510VgnVCM1000001d04140aRCRD&vgnnextchannel=67a04939e6b42410VgnVCM1000001d04140aRCRD>

### **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/>

### **Faculty Positions in Integrated Sciences and Mathematics for Fall 2016.**

Habib University.

Karachi, Sindh. Pakistan.

**Closing date: Open until filled.**

<http://sciences.academickeys.com/job/zcp011ah/>

### **Professor/Associate Professor/Assistant Professor.**

College of Sciences.

Al Jouf University, Saudi Arabia.

**Closing date: Open until filled.**

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

### **Assistant Professor of Applied Mathematics.**

Department of Mathematics.

University of San Diego, USA.

**Closing date: Open until filled.**

<http://sciences.academickeys.com/job/0mi8n3xu/>

### **Professor (Open Rank), Mathematical Sciences.**

Worcester Polytechnic Institute.

Worcester, MA.

**Closing date: Open until filled.**

<http://sciences.academickeys.com/job/glpiamx1/>

### **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.**

## Offers for visiting researchers

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### Leibniz-DAAD short research period.

1-6 month research program for Junior postdocs. Leibniz association and German academic exchange service.

For recent doctors. Closing date: April, 2016.

<https://www.daad.de/miniwebs/icmadrid/es/20074/index.html>

### Invitation to Fulbright speakers.

Fulbright Spain.

2 weeks in Spain.

Invite US fulbright holders as speakers in a spanish institution. Closing date: Until 28 July 2016.

<http://www.fulbright.es/convocatorias/ver/1474/ayudas-para-que-instituciones-espanolas-inviten-a-conferenciantes-fulbright-para-un-periodo-maximo-de-dos-semanas/2015-2016>

### 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>

### Programs for visiting (Non-US) Scholars.

Fulbright Scholar program.

USA.

The following programs support the research and teaching of scholars visiting colleges and universities in the United States. Closing date: Check deadlines of different open calls.

<http://www.cies.org/programs-visiting-non-us-scholars>

### Focused research groups: Banff International Research Station.

Department of Mathematics.

University of Hong Kong.

Closing date: Open until filled.

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

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 mathematiques (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>

### **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 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 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 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 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 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 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 any time.**

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

## Awards

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### SIAM student paper prize.

Society for Industrial and Applied Mathematics

**Closing date: February 15th, 2016.**

[https://www.siam.org/prizes/nominations/nom\\_student.php](https://www.siam.org/prizes/nominations/nom_student.php)

### Coxeter-James Prize.

Canadian Mathematical Society **Closing date:**

**June 2016.**

<https://cms.math.ca/Prizes/cj-nom>

### Noether Lectures.

AWM Association for women in Mathematics

**Closing date: October 15th, year N for the year N+2 lecture.**

<https://www.mathprograms.org/db/programs/299>

## Financial support for research projects and conferences

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### 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: No precise deadline.**

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

### The Royal Society Grants.

Fund about 1500 researchers, including approximately 600 research fellows, through grant schemes. **Deadline: No precise deadline.**

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

### International Mathematical Union-Conference support program.

Commission for developing countries. This program gives partial support (max. EURO 3,500) to conferences in the mathematical sciences. The funds are for academic use only (travel or living expenses of invited speakers or participants coming from developing countries). **Deadline: No precise deadline but 4 months in advance to the Grant Selection.**

<http://www.mathunion.org/cdc/grants/conference-support-program/>

## Interesting news and publications

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**Journal of Geometric Mechanics (JGM).**  
Volume 7, Number 4, December 2015.  
<https://aimsciences.org/journals/home.jsp?journalID=17>

**IMU-Net 74.**  
November 2015.  
<http://www.mathunion.org/imu-net/archive/2015/imu-net-074/>

**ICMAT Newsletter.**  
Eleventh number.  
<http://www.icmat.es/outreach/newsletter/num11>

**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/>

**Jobs for Mathematicians.**  
Academic and other math jobs <https://www.mathjobs.org/jobs>

**Offers on Doctoral fellowships and contracts.**  
<http://www.bgsmath.cat/currentopencalls/>

**Positions in Spain, France and Belgium.**  
Mathematics and Physics related areas <http://postes.smai.emath.fr/postdoc/>

**Online Encyclopedia of Mathematics.**  
[http://www.encyclopediaofmath.org/index.php/Main\\_Page](http://www.encyclopediaofmath.org/index.php/Main_Page)

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

**Math and its boundaries.**  
Those interested in publishing something, contact Manuel de León [mdeleon.dos@gmail.com](mailto:mdeleon.dos@gmail.com)  
<http://weblogs.madrimasd.org/matematicas/>

**Online textbooks: MIT OPEN COURSEWARE.**  
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](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**

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A. Ballesteros, F.J. Herranz, S. Kuru and J. Negro: *Factorization approach to superintegrable systems: Formalism and applications.*

1512.06610

[math-ph math.MP nlin.SI]

V. Guillemin, E. Miranda and J. Weitsman: *Desingularizing  $b^m$ -symplectic structures.*

1512.05303

[math.SG math.DG]

S. Grillo and E. Padrón: *A Hamilton-Jacobi Theory for general dynamical systems and integrability by quadratures in symplectic and Poisson manifolds.*

1512.03121

[math.DG]

G. Bazzoni, J.C. Marrero and J. Oprea: *A splitting theorem for compact Vaisman manifolds.*

1512.00491

[math.DG]

A. Ballesteros, A. Enciso, F.J. Herranz, O. Rag-nisco and D. Riglioni: *The classical Darboux III oscillator: factorization, spectrum generating algebra and solution to the equations of motion.*

1511.08908

[math-ph math.MP nlin.SI]

## Network's collaborators preprints and papers

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R. Camassa, G. Falqui and G. Ortenzi: *Two-layer interfacial flows beyond the Boussinesq approximation: a Hamiltonian approach.*

1512.07498

[math-ph math.MP nlin.SI physics.flu-dyn]

C.-H. Cho, H. Hong and S.-C. Lau: *Noncommu-tative homological mirror functor.*

1512.07128

[math.AG math.SG]

A. Swann: *Twists versus Modifications*.  
1512.06343  
[math.DG hep-th]

C. Laurent-Gengoux and Y. Turki: *Cotangent paths as coisotropic subsets for local functions*.  
1512.05414  
[math.DG]

M. Borinsky and D. Kreimer: *Feynman diagrams and their algebraic lattices*.  
1512.05237  
[hep-th math-ph math.MP]

O. Rossi, D.J. Saunders and G.E. Prince: *Shape maps for second order partial differential equations*.  
1512.04990  
[math.DG math.AP]

G. Gaeta and M.A. Rodriguez: *Canonical transformations for hyperkahler structures and hyperhamiltonian dynamics*.  
1512.04043  
[math-ph math.MP]

C. Meusburger and D.K. Wise: *Hopf algebra gauge theory on a ribbon graph*.  
1512.03966  
[math.QA math-ph math.MP]

G. Gaeta and M.A. Rodriguez: *Structure preserving transformations in hyperkahler Euclidean spaces*.  
1512.03493  
[math-ph math.MP]

G. Gaeta and M.A. Rodriguez: *Symmetry and quaternionic integrable systems*.  
1512.03490  
[math-ph math.MP]

M.J.D. Hamilton: *The Higgs boson for mathematicians. Lecture notes on gauge theory and symmetry breaking*.

1512.02632  
[math.DG hep-th math.GT]

J.-E. Bourguine, Y. Matsuo and H. Zhang: *Holomorphic field realization of  $SH^c$  and quantum geometry of quiver gauge theories*.  
1512.02492  
[hep-th math-ph math.AG math.MP math.QA math.RT]

N. Aizawa, Z. Kuznetsova and F. Toppan: *Invariant PDEs with Two-dimensional exotic centrally extended conformal Galilei symmetry*.  
1512.02290  
[math-ph hep-th math.MP]

D. Bermudez, D.J. Fernández and J. Negro: *Solutions to the Painlevé V equation through supersymmetric quantum mechanics*.  
1512.01936  
[math-ph math.CA math.MP math.QA nlin.SI quant-ph]

S. Chanda, P. Guha and R. Roychowdhury: *Bianchi-IX, Darboux-Halphen and Chazy-Ramanujan*.  
1512.01662  
[hep-th gr-qc math-ph math.MP]

A.S. Cattaneo, P. Mnev and K. Wernli: *Split Chern-Simons theory in the BV-BFV formalism*.  
1512.00588  
[math.GT hep-th math-ph math.MP math.QA]

M. Fernández, S. Ivanov and V. Muñoz: *Formality of 7-dimensional 3-Sasakian manifolds*.  
1511.08930  
[math.DG]

G. Falqui and I. Mencattini: *Bi-Hamiltonian geometry and canonical spectral coordinates for the rational Calogero-Moser system*.  
1511.06339  
[math-ph math.DG math.MP]

## Other Conferences

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### Conference on General Relativity.

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

### SIAM Sessions at the Joint Mathematics Meetings.

January 6–9, 2016. Seattle, Washington, USA.

<http://www.siam.org/meetings/jmm16/index.htm>

### Moduli spaces, integrable systems, and topological recursions.

January 9–13, 2016. Montreal, Canada.  
[http://www.crm.umontreal.ca/2016/Moduli16/index\\_e.php](http://www.crm.umontreal.ca/2016/Moduli16/index_e.php)

**ICAMP 2016, 6th International Conference in Applied Physics and Mathematics.**  
January 13–14, 2016. Singapore.  
<http://www.icapm.org/>

**Connections for Women: Differential Geometry Workshop.**  
January 14–15, 2016. Berkeley, California, USA.  
<http://www.msri.org/workshops/702>

**Mathematical Challenges in Quantum Mechanics.**  
February 8–13, 2016, Bressanone, Italy.  
<http://www.mcqm.cond-math.it/>

**ICMPA 2016 : 18th International Conference on Mathematical Physics, and Applications.**  
February 22–23, 2016. Paris, France..  
<https://www.waset.org/conference/2016/02/paris/ICMPA>

**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>

**Spectral theory and novel materials.**  
18–22, 2016. Marseille, France..  
<http://www.cirm-math.com/>

**International Meeting on Applied Mathematics.**  
9–12 May, 2016. Errachidia, Morocco..  
<https://sites.google.com/site/imamerrachidia2016/home>

**Multi-scale data driven models.**  
9–13 May, 2016. Institute for pure and applied Mathematics.  
<http://www.ipam.ucla.edu/programs/workshops/workshop-iii-cultural-patterns-multi-scale-data-driven-models/>

**International conference on recent advances in pure and applied Mathematics.**  
19–23 May, 2016. Bodrum Mugla, Turkey.  
<http://www.icrapam.org/>

**Conference on structural nonlinear dynamics and diagnosis.**

23–25 May, 2016. Marrakech, Morocco.  
<http://www.csndd.org/csndd2016/>

**Inverse problems.**  
23–28 May, 2016. Oludeniz, Fethiye, Turkey.  
<http://www.ipms-conference.org/>

**International Conference on Quantum Science and Applications.**  
25–27 May, 2016. Eskisehir, Turkey.  
<http://icqsa2016.ogu.edu.tr/>

**International conference on applications of Mathematics to nonlinear sciences.**  
26–29 May, 2016. Kathmandu, Nepal.  
<http://anmaweb.org/AMNS-2016/>

**XXXV Workshop on Geometric Methods in Physics.**  
June 26–July 2, 2016. Biaystok, Poland.  
<http://wgmp.uwb.edu.pl/first.html>

**Optimal and Random Point Configurations: From Statistical Physics to Approximation Theory.**  
27 Jun 2016–01 Jul 2016. Institut Henri Poincare, Paris, France.  
<http://djalil.chafai.net/wiki/ihp2016:start>

**String Math 2016.**  
June 27–July 2, 2016. Paris, France..  
<http://inspirehep.net/record/1240012?ln=en>

**AIMS Conference on dynamical systems, differential equations and applications.**  
July 1–5, 2016. Florida, USA.  
<http://aimsciences.org/conferences/2016/index.html>

**IMA Conference on Turbulence, Waves and Mixing In Honour of Lord Julian Hunts 75th Birthday.**  
July 6–8, 2016. Kings College Cambridge, UK.  
[http://www.ima.org.uk/conferences/conferences\\_calendar/turbulencwavesmixing.html](http://www.ima.org.uk/conferences/conferences_calendar/turbulencwavesmixing.html)

**SIAM Annual Meeting.**  
July 11–15, 2016. Boston, Massachusetts, USA..  
<http://www.siam.org/meetings/an16/>

**7th European Congress of Mathematics.**  
July 18–22, 2016. Berlin, Germany.  
<http://www.7ecm.de/>

**Recent Mathematical Developments in Quantum Field Theory .**  
24 Jul 2016 - 30 Jul 2016. Oberwolfach, Germany.  
<http://www.mfo.de/www/schedule/2016/all>

**London Mathematical Society – EPSRC  
Durham Symposium Geometric and Algebraic  
Aspects of Integrability.**

25 Jul 2016 - 04 Aug 2016, Durham, United Kingdom.

<http://www.maths.dur.ac.uk/events/Meetings/LMS/105/>

**The Asian Mathematical Conference.**

July 25–29, 2016. Bali, Indonesia.

<http://www.amc2016.org/home/>

**SIAM Conference on Nonlinear Waves and  
Coherent Structures (NWCS16).**

August 8–11, 2016. Philadelphia, Pennsylvania.

<https://www.siam.org/meetings/nwcs16/index.php>

**Conference on Methods of Modern Mathematical  
Physics.**

August 22–26, 2016. Fields Institute, Toronto, Canada.

<https://www.fields.utoronto.ca/programs/scientific/16-17/modern-physics/>

**10th IFAC Symposium on Nonlinear Control  
Physics.**

August 23–25, 2016. Marriott Hotel Monterey, California.

<https://www.math.ucdavis.edu/static/conferences/nolcos.2016/>

**Stochastic and Analytic Methods in Mathematical  
Physics.**

August 29–Sept 2, 2016. CRM, Montreal, Canada.

<http://www.mathphys.org/Armenia2016/>

**Stochastic and Analytic Methods in Mathematical  
Physics .**

September 4–11, 2016. Yerevan, Armenia..

<http://www.mathphys.org/Armenia2016/>

**Many-Body Quantum Systems and Effective  
Theories.**

11 Sep 2016 - 17 Sep 2016. Oberwolfach, Germany.

<http://www.mfo.de/www/schedule/2016/all>

**Theory and Numerics of Inverse Scattering  
Problems.**

18 Sep 2016 - 24 Sep 2016. Oberwolfach, Germany.

<http://www.mfo.de/www/schedule/2016/all>

**NEB 17 - Recent developments in Gravity.**

19 Sep 2016 - 22 Sep 2016. Mykonos, Greece.

<http://www.hsrgc.gr/activities.html>

**SIAM conference on applications of dynamical  
systems.**

21–25 May, 2017. Snowbird, Utah, US.

<http://www.siam.org/meetings/calendar.php>

**Mathematical aspects of the physics with  
non-self-adjoint operators.**

June 5–9, 2017. Marseille, France.

<http://gemma.ujf.cas.cz/~david/Conferences.html>

**NOTE: If you want to include information in this info-sheet, please send it to  
[gmcnet@ull.es](mailto:gmcnet@ull.es)**