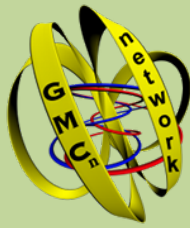


GMC Network Infosheet

May 2018



Geometry, Mechanics and Control Network Infosheet

May 2018

Editors: Rodrigo Sato, Jorge
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Network's activities

12th International ICMAT Summer School on Geometry, Mechanics and Control.

2–6 July 2018, Santiago de Compostela, Spain.

<http://gmcnet.webs.u11.es/?q=activity-detall1/1927>

VI Iberoamerican Meeting on Geometry, Mechanics and Control.

13–17 August 2018, Guanajuato, Mexico.

<http://gmc.eventos.cimat.mx/node/760>

Special Session “Poisson Geometry and Mathematical Physics” at II Joint Meeting of Mathematical Societies RSME-SEMA-SBM-SBMAC.

11–14 December 2018, Cádiz, Spain.

<http://spabrazmathcadiz18.uca.es/web/Congreso/?lang=en&page=especiales>

Job offers, fellowships and supports

Ph.D. offers

PhD position in algebraic geometry.

University of Tromsø (Norway)

Closing date: 3 June 2018.

<https://www.jobbnorge.no/ledige-stillinger/stilling/151756/phd-candidate-in-algebra-department-of-mathematics-and-statistics>

PhD position in geometry.

Marie Curie early-stage researcher.

Durham University (United Kingdom).

Closing date: 4 June 2018.

<https://www.jobs.ac.uk/job/BJP383/>

Preludium pre-doctoral grants and Opus grants.

Research centres in Poland

Closing date: 15 June 2018.

<http://www.ncn.gov.pl/finansowanie-nauki/konkursy/typy?language=en>

Funded PhD courses in mathematics.

University of Padova (Italy)

Closing date: 26 June 2018.

<http://www.unipd.it/en/research/doctoral-degrees-phd-programmes/phd-programmes-calls-and-admissions>

PhD position in mathematics.

Marie Curie Individual Fellowship 2018.

BCAM (Bilbao, Spain).

Closing date: 12 September 2018.

<https://www.bizkaiatalent.eus/en/profesionales/oportunidades-de-empleo/?id=1997>

PhD positions in applied geometry.

Institute of Applied Geometry, Johannes Kepler University (Linz, Austria)

Closing date: Open.

http://www.ag.jku.at/home_en.htm

INPhINIT doctoral fellowship program.

Research centres in Spain

Closing date: Open.

<https://obrasociallacaixa.org/en/investigacion-y-becas/programa-de-becas-de-posgrado/inphinit/programme-description>

High dimensional geometric algorithms.

CWI (Amsterdam, Netherlands)

Closing date: Open until filled.

<http://homepages.cwi.nl/~dadush/ad/phd-positon.html>

Postdoctoral fellowships

Opus grants.

Research centres in Poland

Closing date: 15 June 2018.

<http://www.ncn.gov.pl/finansowanie-nauki/konkursy/typy?language=en>

Postdoctoral fellow in algebraic and arithmetic geometry.

Stockholm University (Sweden)

Closing date: 20 June 2018.

<https://www.su.se/english/about/working-at-su/jobs?rmpage=job&rmjob=5659&rmlang=UK>

Postdoctoral position in geometry.

University of Oxford (United Kingdom)

Closing date: 20 June 2018.

https://www.recruit.ox.ac.uk/pls/hrisliverecruit/erq_jobspec_version_4.display_form

Postdoctoral research associate.

Representation theory, noncommutative algebra and geometry.

University of Glasgow (United Kingdom).

Closing date: 25 June 2018.

<https://www.maths.gla.ac.uk/core/Positions>

Postdoctoral research associate.

Representation theory, noncommutative algebra and geometry.

University of Edinburgh (United Kingdom).

Closing date: 25 June 2018.

https://www.vacancies.ed.ac.uk/pls/corehrrecruit/erq_jobspec_version_4.display_form

ICMAT Postdoc 2018.

Three postdoctoral positions in mathematics.

ICMAT (Madrid, Spain).

Closing date: 30 June 2018.

https://www.icmat.es/severo-ochoa/HumanResources/ICMat_Postdoc2018-B

Postdoctoral positions in mathematics.

Escola de Matemática Aplicada (Brazil)

Closing date: 15 July 2018.

<http://emap.fgv.br/pos-doutorado-de-excelencia>

Postdoctoral fellow in pure mathematics.

ShanghaiTech University (Shanghai, China)

Closing date: 15 July 2018.

<https://www.jobs.ac.uk/job/BJV125>

Postdoctoral position in arithmetic geometry.

Harvard University (Massachusetts, USA)

Closing date: Open until filled.

<https://icerm.brown.edu/simonscollaboration/open-positions/>

Postdoctoral fellow in algebraic geometry.

Harvard University

Closing date: Open until filled.

<http://cmsa.fas.harvard.edu/jobs/>

Humboldt research fellowship for postdoctoral researchers.

Alexander von Humboldt Foundation

Closing date: Open.

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

Lisa Meitner program.

FWF Austrian Science Fund (Vienna, Austria)

Closing date: Open.

<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/math-and-stats/JobsAndFellowships/math-fellowships.aspx>

Offers for researchers

Full-time senior lecturer in mathematics and statistics.

Tilburg University (Netherlands)

Closing date: 6 June 2018.

https://career5.successfactors.eu/career?career_ns=job_listing&company=S003974031P&career_job_req_id=13761

Assistant professors in mathematics.

Several departments.

University of Seville (Spain).

Closing date: 19 June 2018.

http://www.juntadeandalucia.es/boja/2018/101/B0JA18-101-00027-9143-01_00136532.pdf

Assistant/Associate professors in algebra, analysis or topology.

Harbin Engineering University (China)

Closing date: 31 July 2018.

<https://www.mathjobs.org/jobs/jobs/10797>

Faculty member in mathematics.

Bard High School Early College.

Bard College (Ohio, United States).

Closing date: Open until filled.

http://www.bard.edu/employment/descriptions/?listing_id=1587188

Mathematics adjunct instructors.

Portland State University (Oregon, United States)

Closing date: Open until filled.

<https://jobs.hrc.pdx.edu/postings/26062>

Assistant professor in mathematics.

Institute for Computational and Experimental Research in Mathematics.

Brown University (Rhode Island, United States).

Closing date: Open until filled.

<https://icerm.brown.edu/simonscollaboration/open-positions/>

Assistant professor of mathematics in topology, algebra, or geometry.

Mathematics Department.

Cleveland State University (Ohio, United States).

Closing date: Open until filled.

<https://hrjobs.csuohio.edu/postings/8755>

Assistant professor in algebraic geometry.

Geometry and Mathematical Physics Group.

SISSA (Trieste, Italy).

Closing date: Open until filled.

<https://www.mathjobs.org/jobs/jobs/11863>

Faculty positions in mathematics.

Koç University (Istanbul, Turkey)

Closing date: Open until filled.

<https://www.mathjobs.org/jobs/jobs/11084>

Assistant professor in mathematics.

Brown University (Rhode Island, United States)

Closing date: Open until filled.

<https://www.mathjobs.org/jobs/jobs/10557>

Offers for visiting researchers

SAMSI visiting research fellows.

Statistical and Applied Mathematical Sciences Institute, USA.

Applications from junior and senior researchers.

Closing date: Open.

<https://www.samsi.info/participating/visiting-research-fellows/>

Visiting researchers at AIMS.

African Institute for Mathematical Sciences.

Visits from 2 weeks or longer.

Closing date: Open.

<https://https://aims.ac.za/research/research-opportunities/>

Research in pairs in the Mathematisches Forschungsinstitut Oberwolfach.

Mathematisches Forschungsinstitut Oberwolfach, Germany.

At least 2 and at most 4 people, stay between 2 weeks and 3 months.

Closing date: Six months before planned stay.

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

Focused research groups in Banff, Canada.

Banff International Research Station, Canada.

Up to 8 researchers for periods of 1 to 2 weeks.

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

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

Research in Teams in Banff, Canada.
Banff International Research Station, Canada.
Teams of 2 to 4 researchers for 1 to 2 weeks.
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, France.
Research in pairs (2 to 3 researchers for 1 to 2 weeks. CIRM subsidizes board and lodging for people not based in the region).
Closing date: Open all year.
<https://www.cirm-math.com/research-in-pairs.html>

Visiting the ICMAT.
Instituto de Ciencias Matemáticas, Madrid, Spain.
Researchers for a period 1 to 12 months.
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, Italy.
2-3 people for working on a project from 1 to 6 weeks.
Closing date: Open.
<http://cirm.fbk.eu/research-pairs>

Visiting scholar opportunity in Cambridge.
University of Cambridge, United Kingdom.
Scholars and fellows for development of research, teaching and collaboration.
Closing date: Open.
<https://www.educ.cam.ac.uk/about/visiting-scholars/>

Visiting the CRM.
Centre de Recerca Matemàtica, Catalonia, Spain.
Any time between 6 and 12 months before the start of the desired stay.
Closing date: Open.
<http://www.crm.cat/en/Host/VisitingCRM/Pages/ResearchPairs.aspx>

Visiting the IMS.
Institute of Mathematical Sciences, India.
Visits range from days to a semester or more.
Closing date: Open.
<https://www.imsc.res.in/visiting-mathematics>

Visiting research fellow in Kent State University.
Mathematics Department-KSU, Ohio, USA.
Visiting for scholar researchers.
Closing date: Open.
<http://www.kent.edu/globaleducation/visiting-scholars>

Financial support for research projects and conferences

Call for applications of support for training in research.
Centre International de Mathématiques Pures et Appliquées, France.
Deadline: The projects for the period September 201x-February 201(x+1) must be submitted by 3 July 201x.
https://www.cimpa.info/en/support_for_training_in_research/call_for_applications

Propose a mini-workshop in the Mathematisches Forschungsinstitut Oberwolfach.
Oberwolfach, Germany.
Deadline: The deadline is the end of July.
<https://www.mfo.de/scientific-programme/meetings/proposal-guidelines>

Call for Projects of CIMPA Research Schools 2020.
Centre International de Mathématiques Pures et Appliquées, France.
Deadline: The deadline is September, 10 2018.
<https://www.cimpa.info/node/41>

Support for workshop organization.
Banff International Research Station.
Deadline: No precise deadline but notification with months in advance.
<http://www.birs.ca/programs/general-program-descriptions>

Propose a workshop in the Mathematisches Forschungsinstitut Oberwolfach.
Oberwolfach, Germany.
Deadline: Open.
<https://www.mfo.de/scientific-programme/meetings/workshop>

Mathematical and physical sciences funding.

National Science Foundation.

Deadline: No precise deadline.

https://www.nsf.gov/funding/pgm_list.jsp?org=MPS

Financial support from CICS.

Center for International Cooperation in Science.

Deadline: Several calls.

<http://www.cics.tn.nic.in/>

Links of interest

The GMC network.

International, spanish based network focused on Geometry, Mechanics and Control.

<http://gmcnet.webs.u11.es/>

Journal of Geometric Mechanics (JGM).

Volume 10, Issue 2, 2018.

<http://aimsciences.org/journal/1941-4889/2018/10/2>

IMU-Net 88.

March 2018.

<https://www.mathunion.org/imu-net/archive/2018/imu-net-088>

ICMAT Newsletter.

16th number. First quarter 2018.

<https://www.icmat.es/outreach/newsletter/num16>

International Center of Pure and Applied Mathematics (CIMPA).

<https://www.cimpa.info/>

Spanish math journals.

http://www.rsme.es/component/option,com_weblinks/catid,51/Itemid,23/

Reports@SCM journal.

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

Mathematics in Europe.

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

Online textbooks: MIT Open courseware.

<https://ocw.mit.edu/courses/online-textbooks/>

The American Mathematical Society bookstore.

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

Hosting a workshop at AIMS South Africa.

Contributions to the cost of workshops which falls within one of AIMS's research focus areas.

Deadline: No precise deadline.

<https://www.aims.ac.za/en/research-centre/workshops-conferences/hosting-a-workshop-at-aims>

Jobs for Mathematicians.

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

Academic positions in Spain, France and Belgium.

Mathematics and Physics related areas.

<http://postes.smai.emath.fr/postdoc/>

Academic jobs in Mathematics in Europe.

PhD, post doc positions, research assistant, etc.

<http://academicpositions.eu/>

Academic jobs in Mathematics in the UK.

PhD, post doc positions, research assistant, etc.

<http://www.jobs.ac.uk/categories/postdoc-jobs>

Postdocs in Mathematics worldwide.

PhD, post doc positions, research assistant, etc.

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

Academic jobs in Mathematics worldwide.

PhD, post doc positions, research assistant, etc.

<https://www.postdocjobs.com/>

Academic jobs in Mathematics in Spain.

PhD, post doc positions, research assistant, vacant jobs, lectureships.

<http://www.madrimasd.org/madrid-ciencia-tecnologia/convocatorias>

Academic jobs in Mathematics.

PhD, post doc positions, research assistant, vacant jobs, lectureships.

<http://www.indeed.com/q-Postdoctoral-jobs.html>

Advice for New Ph.D.'s.

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

International Mathematical Union Awards and Prizes.

<https://www.mathunion.org/imu-awards/imu-awards-prizes-and-special-lecture>

Other Prizes of International Mathematical Union.

<https://www.mathunion.org/imu-awards/other-prizes>

American Mathematical Society Prizes and Awards.

<https://www.ams.org/profession/prizes-awards/prizes>

The Shaw Prize.

<http://www.shawprize.org/en/shaw.php?tmp=2&tvoid=77>

European Mathematical Society Prizes.

<http://euro-math-soc.eu/prizes-european-mathematical-society>

Fermat Prize.

<https://www.math.univ-toulouse.fr/spip.php?rubrique107&lang=en>

Society for Industrial and Applied Mathematics Prizes.

<https://www.siam.org/prizes/>

Noether Lectures Award.

<https://sites.google.com/site/awmmath/programs/noether-lectures>

The Royal Society Grants.

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

Interesting publications

Network's members preprints and papers

Mohammad Javad Khojasteh, Mojtaba Hedayatpour, Jorge Cortés and Massimo Franceschetti: *Event-triggering stabilization of real and complex linear systems with disturbances over digital channels.*

1805.01969

[cs.SY, cs.IT, math.IT, math.OC]

Marco Zambón: *Singular subalgebroids.*

1805.02480

[math.DG, math.OA]

Luis A. Duffaut Espinosa, Kurusch Ebrahimi-Fard and W. Steven Gray: *Combinatorial Hopf algebra for interconnected nonlinear systems.*

1805.02954

[math.OC, math.CO]

Luis C. García-Naranjo: *Generalisation of Chaplygin's Reducing Multiplier Theorem with an application to multi-dimensional nonholonomic dynamics.*

1805.06393

[nlin.SI, math-ph]

David Hoffman, Tom Ilmanen, Francisco Martín and Brian White: *Graphical Translators for Mean Curvature Flow.*

1805.10860

[math.DG, math.AP]

Network's collaborators preprints and papers

Óscar García-Prada, Dietmar Salamon and Samuel Trautwein: *Complex structures, moment maps, and the Ricci form.*

1805.00536

[math.SG]

Vicente Muñoz and Juan Ángel Rojo: *Symplectic resolution of orbifolds with homogeneous isotropy.*

1805.01160

[math.SG, math.DG]

Antonio Algaba, Cristobal García and Jaume Gine: *Analytic integrability around a nilpotent singularity.*

1805.01726

[math.DS]

P. Jorgensen, K. -H. Neeb and G. Olafsson: *Reflection negative kernels and fractional Brownian motion.*

1805.02593

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

Thierry Daude, Niky Kamran and François Nicoleau: *The anisotropic Calderón problem for singular metrics of warped product type: the borderline between uniqueness and invisibility.*

1805.05627

[math.AP, math-ph, math.MP, math.SP]

Simonetta Abenda and Petr G. Grinevich: *Reducible M-curves for Le-networks in the totally nonnegative Grassmannian and KP-II multilines*

solitons.

1805.05641

[math-ph, math.MP]

Giuseppe Marmo, Patrizia Vitale and Alessandro Zampini: *Derivation based differential calculi for noncommutative algebras deforming a class of three dimensional spaces.*

1805.06300

[math.QA, hep-th, math-ph, math.MP]

François Gay-Balmaz and Vakhtang Putkaradze: *Geometric theory of flexible and expandable tubes conveying fluid: equations, solutions and shock waves.*

1805.11026

[physics.flu-dyn, math.DS, nlin.CD]

Jaime Muñoz-Masqué and José Antonio Vallejo: *Supersymmetric sigma models and harmonic superfunctions.*

1805.10302

[math-ph, hep-th, math.DG, math.MP]

Juan Monterde and José Antonio Vallejo: *Poisson brackets of even symplectic forms on the algebra of differential forms.*

1805.10308

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

Juan Monterde and José Antonio Vallejo: *Modular class of even symplectic manifolds.*

1805.10315

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

Juan Monterde, Jaime Muñoz-Masqué and José Antonio Vallejo: *The Poincaré-Cartan Form in Superfield Theory.*

1805.10322

[math-ph, hep-th, math.DG, math.MP]

Borislav Gajic and Bozidar Jovanovic: *Nonholonomic connections, time reparametrizations, and integrability of the rolling ball over a sphere.*

1805.10610

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

Other Conferences

XXth International Conference on Geometry, Integrability, and Quantization.

2–7 June 2018, near Varna, Bulgaria.

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

Representation Theory, Mathematical Physics and Integrable Systems.

4–8 June 2018, Marseille Luminy, France.

<http://conferences.cirm-math.fr/1746.html>

Summer School on "Derived and Higher Structures in Geometry and Physics" SMS 2018.

11–22 June 2018, Toronto, Canada.

<http://www.fields.utoronto.ca/activities/17-18/sms-2018>

Rencontre Poisson à La Rochelle.

14–15 June 2018, La Rochelle, France.

<https://www.vladimir-salnikov.org/poisson18/index.php?page=home&lang=en>

IX International Meeting on Lorentzian Geometry.

17–24 June 2018, Warsaw, Poland.

<https://www.impan.pl/18-lorentzian9>

International Conference on Emerging Trends in Applied Mathematics and Mechanics 2018.

18–22 June 2018, Krakow, Poland.

<https://sites.google.com/view/etamm2/home>

VII School on Geometry and Physics.

25–29 June 2018, Białowieża, Poland.

<http://wgmp.uwb.edu.pl/>

WGMP – XXXVII Workshop on Geometric Methods in Physics.

1–7 July 2018, Białowieża, Poland.

<http://wgmp.uwb.edu.pl/>

12th International ICMAT Summer School on Geometry, Mechanics and Control.

2–6 July, 2018. Santiago de Compostela, Spain.

<http://gmcnet.webs.ull.es/?q=activity-detail1/1927>

PRACQSYS 2018: Principles and Applications of Control in Quantum Systems.

2–6 July, 2018. Paris, France.

<https://sites.google.com/view/mcqs2018/pracqsys-2018>

The 32nd International Colloquium on Group Theoretical Methods in Physics.
9–13 July 2018, Prague, Czech Republic.
<http://http://www.group32.cz/>

The Sixth International Conference on Control and Optimization with Industrial Applications.
11–13 July 2018, Baku, Azerbaijan.
<http://coia-conf.org/en/>

Non-Hermitian Quantum Mechanics and Symplectic Geometry.
16–20 July 2018, San José, California, USA.
<https://aimath.org/workshops/upcoming/nhquantumsymp/>

CBMS-NSF Conference: Computational Methods in Optimal Control.
23–27 July 2018, Jackson, Mississippi.
<http://www.siue.edu/~juliu/cbms18/>

Modern Trends in Differential Geometry.
23–27 July 2018, São Paulo, Brazil.
<https://www.ime.usp.br/~mtg/index.html>

Summer Graduate School: From Symplectic Geometry to Chaos.
23 July–3 August 2018, Berkeley, California, USA.
http://www.msri.org/summer_schools/825

Second Global Conference on Applied Physics, Mathematics and Computing.
25–27 July 2018, Madrid, Spain.
<http://physicsmathcomputing.com/>

International Congress of Mathematicians.
1–9 August 2018, Rio de Janeiro, Brazil.
<http://www.icm2018.org/portal/en/home/>

Hamiltonian Systems, from Topology to Applications through Analysis.
13 August–14 December 2018, Berkeley, California, USA.
<http://www.msri.org/programs/305>

Advances in Statistical Mechanics.
27–31 August 2018, Marseille Luminy, France.
<https://conferences.cirm-math.fr/1855.html>

XXVII International Fall Workshop on Geometry and Physics.
3–7 September 2018, Sevilla, Spain.
<http://congreso.us.es/ifwgp/>

INdAM Workshop on Poisson Geometry and Higher Structures.
10–14 September 2018, Rome, Italy.
<http://www1.mat.uniroma1.it/ricerca/convegni/2018/hippo2018/>

Homotopy algebras, deformation theory and quantization.
16–22 September 2018, Bedlewo, Poland.
<http://www.impan.pl/18-homotopy>

International Workshop on Geometric Quantization and Applications.
8–12 October 2018, Marseille Luminy, France.
<https://conferences.cirm-math.fr/1867.html>

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