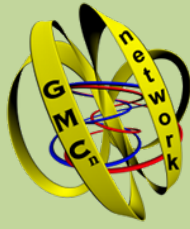


GMC Network Infosheet

January 2018



Geometry, Mechanics and Control Network Infosheet

January 2018

Editors: Rodrigo Sato, Jorge
Jover, Cristina Sardón

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Network's activities

60 Years Alberto Ibort Fest. Classical and quantum Physics: Geometry, dynamics and Control.

5–9 March 2018, ICMAT, Madrid, Spain.

<https://www.icmat.es/congresos/2018/IBORT-FEST/>

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-detall/1927>

VI Iberoamerican meeting on Geometry, Mechanics and Control.

13–17 August 2018, Guanajuato, Mexico.

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

Job offers, fellowships and awards

Ph.D. offers

PhD studentship in Pure Mathematics.

The studentship is funded by the ERC project “Birational Geometry, B-branes and Artin Stacks”.

University College London (United Kingdom).

Closing date: 7 February 2018.

<https://atsv7.wcn.co.uk/search.engine/jobs.cgi?jcode=1710640&owner=5041178&ownertype=fair>

2 PhD positions in Dynamics Control.

The chosen doctoral candidates will carry out mathematical and computational research on the The European Research Council (ERC) Advanced Grant DyCon - Dynamic Control, which aims to develop a multifold research agenda in the broad area of Control of Partial Differential Equations (PDE) and their numerical approximation methods.

Universidad Autónoma de Madrid (Spain).

Closing date: 15 February 2018.

<http://cmc.deusto.es/erc-advanced-grant-dycon-phd-contracts-january-2018/>

PhD studentships in the School of Science.

Applications are invited for different areas in the School of Science.

Loughborough University (United Kingdom).

Closing date: 16 February 2018.

<http://www.lboro.ac.uk/science/study/postgraduate-research/studentships>

PhD: Infinite Dimensional Lie Groups.

A PhD position in Mathematics is offered in connection with the NWO Vidi-grant “Cohomology and representation theory of infinite dimensional Lie groups”.

Delf University of Technology (Netherlands).

Closing date: 28 February 2018.

<https://vacature.beta.tudelft.nl/vacaturesite/permalink/599623/?lang=en>

PhD Positions in Applied Geometry.

Candidates with a strong background in at least one of the fields of Geometric Modelling and Numerical Analysis are encouraged to apply. Expertise on Isogeometric Analysis is particularly welcome.

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

Closing date: Open.

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

INPhINIT Doctoral Fellowship Program.

3-year employment contract at any of the offered positions.

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.

The student will conduct research on the subject of High Dimensional Geometric Algorithms, present the fruits of this research at top conferences and publish them in quality peer-reviewed journals of the field, culminating in a PhD thesis to be defended in public.

CWI (Amsterdam, Netherlands).

Closing date: Open until filled.

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

PhD position in Control Theory.

The project aims to developing controllers for a physics-based model of the L-H transition in a tokamak.

NWO (Netherlands).

Closing date: Open until filled.

<https://www.nwo-i.nl/en/vacature/phd-position-developing-controllers-for-a-physics-based-model-of-the-l-h-transition-in-a-tokamak/>

Postdoctoral fellowships

Research associate.

The position is funded by the Leverhulme Advanced Grant “Geometry, Combinatorics and Algebra of Sum-products”, which aims to develop and study the above-mentioned aspects, connections, and implications arising in the context of the sum-product phenomenon both over general fields, as well as specific to reals.

University of Bristol (United Kingdom).

Closing date: 11 February 2018.

<http://www.bristol.ac.uk/jobs/find/details.html?nPostingTargetID=44635>

Postdoctoral research associate.

The successful candidate will join the Geometry and Mathematical Physics Group, in the Department of Mathematical Sciences.

Loughborough University (United Kingdom).

Closing date: 18 February 2018.

https://vacancies.lboro.ac.uk/tlive_webrecruitment/wrd/run/ETREC107GF.open?VACANCY_ID%3d

876620BsHb%1B&WVID=5913100PrZ

Research fellow.

The project is concerned with the interplay between geometry, topology and group theory.

University of Aberdeen (United Kingdom).

Closing date: 20 February 2018.

<https://www.abdnjobs.co.uk/vacancy/research-fellow-338522.html>

Postdoctoral research associate in Applied Mathematics.

Positions are funded by an EPSRC Programme grant “Chemistry and Mathematics in Phase Space” (CHAMPS), which seeks to design new methods and tools to cope with the explosion in dynamical information coming out of modern experiments and classical and quantum molecular dynamics simulations.

University of Bristol (United Kingdom) .

Closing date: 28 February 2018.

<http://www.bristol.ac.uk/jobs/find/details.htm?nPostingID=6029&nPostingTargetID=46194>

Postdoctoral position in Actuarial Mathematics/Control Theory.

Applicants should have received their PhD in the field of risk theory, stochastic control theory or a related field.

Vienna University of Technology (Austria).

Closing date: 28 February 2018.

<https://fam.tuwien.ac.at/jobs/2018.PostDoc.FAM.php>

Postdoctoral research fellow in Algebraic Geometry.

The position will be attached to the project “Symmetry in quantitative and algorithmic real algebraic geometry”.

Arctic University of Norway (Tromsø, Norway).

Closing date: 1 March 2018.

<https://www.jobbnorge.no/ledige-stillinger/s-tilling/147323/postdoctoral-research-fellow-in-algebraic-geometry-at-the-department-of-mathematics-and-statistics>

Postdoctoral research associate.

The focus of the research is to understand the effects of geometry on various biological processes, including pattern morphogenesis, population growth, and spatial evolutionary dynamics. University of Tennessee (United States).

Closing date: Open until filled.

https://ut.taleo.net/careersection/ut_system/jobdetail.ftl?lang=en&job=17000001SS

Offers for researchers

Professor in Applied Mathematics.

Department of Mathematical Sciences and Computation.

University of the Balearic Islands (Spain).

Closing date: 4 February 2018.

http://www.boe.es/diario_boe/txt.php?id=BOE-A-2018-1006

Assistant professor in Mathematics.

Centro Universitario de la Defensa.

Zaragoza (Spain).

Closing date: 6 February 2018.

<http://cud.unizar.es/tablon/tablon>

Postdoctoral research fellow in Pure Mathematics.

Position offered in the field of geometric analysis. University of Adelaide (Australia).

Closing date: Open until filled.

<http://careers.adelaide.edu.au/cw/en/job/497653>

Postdoctoral fellow in Pure Mathematics.

Up to six positions in different areas, such as algebraic geometry, differential geometry or partial differential equations.

ShanghaiTech University (Shanghai, China).

Closing date: Open until filled.

<http://jobs.shanghaitech.edu.cn/job.asp?id=733>

Humboldt Research Fellowship for Postdoctoral Researchers.

6-24 month research programs.

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/maths-and-stats/JobsAndFellowships/maths-fellowships.aspx>

Professor in Applied Mathematics.

Department of Analysis and Applied Mathematics.

Universidad Complutense de Madrid (Spain).

Closing date: 8 February 2018.

<https://www.boe.es/buscar/doc.php?id=BOE-A-2018-645>

Assistant professor in Mathematics or Mathematical Physics.

Department of Mathematics and Physics.

Morehead State University (Kentucky, United States) .

Closing date: 16 February 2018.

<https://moreheadstate.peopleadmin.com/postings/7426>

Math skills/Mathematics instructor.

Math Skills and Mathematics departments.
College of Marin (California, United States).

Closing date: 19 February 2018.

<https://agency.governmentjobs.com/collegeofmarin/default.cfm/default.cfm?action=viewJob&jobID=1947209>

Professor/associate professor in Applied Mathematics.

Faculty of Technology, Natural Sciences and Maritime Sciences.

University College of Southeast Norway (Kongsberg, Norway).

Closing date: 20 February 2018.

<https://www.jobbnorge.no/ledige-stillinger/s-tilling/147300/professor-associate-professor-in-applied-mathematics>

Professor in Intelligent Robotics and Control.

DTU Electrical Engineering.

Technical University of Denmark (Denmark).

Closing date: 23 February 2018.

<http://www.dtu.dk/english/career/job?id=a0f1fdac-f12b-4f63-9489-c753fba5a342>

Offers for visiting researchers

SAMSI visiting research fellows.

SAMSI invites applications from junior and senior researchers for its current and upcoming year-long research programs.

Visiting Research Fellows can visit SAMSI for periods up to nine months in association with one of the year-long research programs. A limited amount of financial support is available to reimburse receipted expenses for accommodation and transportation. Please note that a Visiting Research Fellow must remain employed at his/her home institution. All Fellows are provided with office space and have access to SAMSI's facilities.

Closing date: Open.

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

Visit the Institute of Mathematical Sciences, India.

The mathematics group at IMA actively seeks to organize visits by research mathematicians from all over the world.

Associate lecturer/lecturer in Mathematics.

School of Mathematics and Applied Statistics.
University of Wollongong (Australia).

Closing date: 4 March 2018.

<https://jobs.uow.edu.au/careersection/ext/jobdetail.ftl?job=171586&tz=GMT%2B11%3A00>

Research professor in Computational Fluid Dynamics.

Basque Centre for Applied Mathematics.
Bilbao (Spain).

Closing date: Open until filled.

<http://www.ikerbasque.net/es/convocatorias/research-professors-en-bcam>

Assistant professor in Geometry.

Department of Mathematics.

University of Kansas (United States).

Closing date: Open until filled.

<https://employment.ku.edu/assistant-professor-geometry/10039br>

Assistant professor in Mathematics.

Department of Mathematics.

Embry-Riddle Aeronautical University (Prescott, Arizona, United States).

Closing date: Open until filled.

<https://embryriddle.taleo.net/careersection/002/jobdetail.ftl?job=180037>

Such visits typically center around a set of formal lectures. Durations of such 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.

Visiting researchers at KSU.

Closing date: Open.

<http://www.kent.edu/globaleducation/visiting-scholars>

Visiting researchers at AIMS.

African Institute for Mathematical Sciences.

Interested researchers may apply to visit for short (2-week) or longer periods. Research fellows may conduct their own research at AIMS, participate in the teaching programmes and give talks in the journal club. Visits to local universities can be arranged.

Closing date: Open.

<https://www.aims.ac.za/en/research-centre/fellowships>

Research in pairs in the Mathematisches Forschungsinstitut Oberwolfach.

Mathematisches Forschungsinstitut Oberwolfach. Oberwolfach, Germany.

2-4 people on research stay between 2 weeks and 3 months. Required: not all participants coming from the same place. The Institute will provide office space, full board and lodging. 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>

Propose a mini-workshop in the Mathematisches Forschungsinstitut Oberwolfach.

Mathematisches Forschungsinstitut Oberwolfach. Oberwolfach, Germany.

15-20 people on a mini-workshop for a week. Arrival is on Sunday afternoon and departure is on Saturday morning or Friday evening. Participation in a Workshop is only possible by invitation of the Director, and on suggestion of the organizers. The Institute offers accommodation free of charge. Travel expenses cannot be refunded (with the possible exception of special grants). **Closing date: The deadline is the end of July.**

<https://www.mfo.de/scientific-programme/meetings/proposal-guidelines>

Focused research groups in Banff, Canada.

Banff International Research Station.

Banff, Alberta, Canada.

Up to 8 researchers from different institutions to live and work at the BIRS facility for periods of 1 to 2 weeks. 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. **Closing date: No precise deadline: 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.

Banff, Alberta, Canada.

The Research in Teams program offers teams of 2 to 4 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. **Closing date: No precise deadline: a minimum of 4 months before the proposed start of the event.**

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

Call for Visiting Professors at CIRM.

Fondazione Bruno Kessler.

Trento University, Trento, Italy.

CIRM Visiting Scholars will perform mathematical research in cooperation with researchers of the Trento area. CIRM Visiting Professors will hold short Ph.D. courses, or series of seminars.

Closing date: Applications three months before planned stay.

<http://cirm.fbk.eu/cirm-visiting-professors>

Visiting the ICMAT.

Instituto de Ciencias Matemáticas.

Madrid, Spain.

Host for researchers for a period 1 to 12 months, preferably having a research plan and a scientific connection with ICMAT researchers. Visitors will be provided with office space, working facilities and house-finding assistance. No financial support will be provided for these visits. Resolution no later than one month after submission.

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.

2-3 people from Universities located in different towns, who intend to work on a definite research project from 1 to 6 weeks). Applicant partners must submit a scientific project in the field of mathematics resulting in one or more scientific publications on journals of excellent mathematical level; Participants in the RIP Program will also give occasional research seminar talks at the CIRM or at the University of Trento. 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.

Host for researchers from at least months, 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 working facilities and house-finding assistance. Support for housing expenses can be requested. Visits should be carried out during the academic year (from September to July). Resolutions no later than three months after submission

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/Host/VisitingCRM/Pages/ResearchPairs.aspx>

Visiting scholar opportunity in Cambridge.

University of Cambridge.

Cambridge, UK.

Visiting scholars, fellows, associates from other institutions for development of research, teaching

and collaboration. **Closing date: Necessary to contact one member of the academic staff to host your visit. Please allow time for your request to be considered.**

<https://www.educ.cam.ac.uk/about/visitingscholars/>

Simon's fellows in Mathematics.

Simon's Foundation.

New York City, USA.

The Simons Foundations Mathematics and Physical Sciences division invites applications for the Simons Fellows in Mathematics program, which enables research leaves by providing time away from classroom teaching and academic administration. **Closing date: Open.**

<https://www.simonsfoundation.org/funding/funding-opportunities/mathematics-physical-sciences/simons-fellow-program/simons-fellows-in-mathematics-program-description/>

Awards

Calling Outstanding Young Researchers Application Tool Open.

Young researchers in computer science and mathematics from all over the world can apply for one of the 200 coveted spots to participate in the Heidelberg Laureate Forum (HLF), an annual networking event. The HLF offers all accepted young researchers the great opportunity to personally interact with the laureates of the most prestigious prizes in the fields of mathematics and computer science **Closing date: 9 February 2018.**

<http://www.heidelberg-laureate-forum.org/>

Andre Aisenstadt prize.

The Centre de Recherches Mathematiques (CRM) solicits nominations for the Andr Aisenstadt Mathematics Prize, awarded to recognize talented young Canadian mathematicians. **Closing date: March 2018.**

http://www.ams.org/opportunities/view/listing?listing_id=491577

CRM-Fields-PIMS prize.

The Centre de recherches mathmatiques (CRM), the Fields Institute, and the Pacific Institute for the Mathematical Sciences (PIMS) invite nominations for the joint CRM-Fields-PIMS prize, awarded in recognition of exceptional research achievement in the mathematical sciences. The candidate's research should have been conducted

primarily in Canada or in affiliation with a Canadian university.

Closing date: 1 November 2018

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http://www.crm.umontreal.ca/prix/prixCRMFieldsPIMS/prix.CFP_an.shtml

Ruth Lyttle Satter Prize in Mathematics.

The Satter Prize recognizes an outstanding contribution to mathematics research by a woman in the previous six years. **Closing date: Open nominations for 2019.**

<http://www.ams.org/profession/prizes-awards/ams-prizes/satter-prize>

Humphreys Award.

Award for mentorship of undergraduate women in Mathematics **Closing date: April 30, Year N for the Year N+1 Award.**

<https://sites.google.com/site/awmmath/programs/humphreys-award>

Abdus Salam Medal.

The world Academy of Science of developing countries

Closing date: No precise deadline

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<http://twas.org/opportunity/abdus-salam-medal>

Financial support for research projects and conferences

Financial 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.

Mathematisches Forschungsinstitut Oberwolfach, Germany **Deadline: Open.**

<https://www.mfo.de/scientific-programme/meetings/workshop>

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: Every 2–3 months: 1st November, 1st February, 1st April.**

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

Hosting a workshop at AIMS South Africa.

AIMS South Africa will make a contribution to the cost of the workshop provided that funding is available, and that the workshop falls within one of its research focus areas. **Deadline: No precise deadline.**

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

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/>

Interesting news and publications

Journal of Geometric Mechanics (JGM).

Volume 10, Issue 1, 2018.

<http://aimsciences.org/journal/1941-4889/2018/10/1>

IMU-Net 86.

November 2017.

<https://www.mathunion.org/imu-net/archive/2017/imu-net-86-november-2017>

ICMAT Newsletter.

15th number. Second quarter

<https://www.icmat.es/outreach/newsletter/num15>

New AIMS Journal.

New open access journal.

<http://www.aimspress.com/journal/Math>

The GMC network.

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

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

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/>

Jobs for Mathematicians.

Academic and other math jobs

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

Red de organización latinoamericana de Matemáticas.

<http://www.colmatelat.ehu.es/>

Revistas matemáticas españolas.

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

Centro Internacional de Matemáticas puras y aplicadas.

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

El árbol de las matemáticas.

Galería RSME-UNIVERSIA de matemáticas, ciencia y tecnología <http://www.arbolmat.com/>

List of mathematical journals.

http://www.rsme.es/component/option,com_weblinks/catid,49/Itemid,23/

Women and Mathematics.

<http://mym.rsme.es/>

Academic positions in Spain, France and Belgium.

Mathematics and Physics related areas
<http://postes.smai.emath.fr/postdoc/>

Mathematics in Europe.

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

Matemáticas y sus fronteras.

<http://www.madrimasd.org/blogs/matematicas/>

Mathematics and Neuroscience.

<http://corbifoundation.org/>

Online textbooks: MIT OPEN COURSE-WARE.

<https://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/>

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/>

Search of academic jobs in Mathematics worldwide.

Look for PhD, post doc positions, research assistant, etc
<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.madrimasd.org/madrid-ciencia-tecnologia/convocatorias>

Search of academic jobs in Mathematics.

Look for 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>

The American Mathematical Society bookstore.

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

Network's members preprints and papers

Victor Guillemin, Eva Miranda and Jonathan Weitsman: *Convexity of the moment map image for torus actions on b^m -symplectic manifolds.*

1801.01097

[math.SG]

Victor Guillemin, Eva Miranda and Jonathan Weitsman: *On geometric quantization of b^m -*

symplectic manifolds.

1801.03762

[math.SG]

J. L. Alonso, P. Bruscolini, A. Castro, J. Clemente-Gallardo, J. C. Cuchi and J. A. Jover-Galtier: *Ehrenfest statistical dynamics in chemistry: study of decoherence effects and of its equi-*

librium distribution.

1801.06137

[physics.chem-ph , cond-mat.stat-mech, quant-ph]

Fernando Jiménez Alburquerque and Jürgen Scheurle: *On some aspects of the discretization of the Suslov problem .*

1506.01289 (version 2)

[math.NA, math-ph, math.DS, math.MP]

Arturo Echeverría-Enríquez, Miguel C. Muñoz-Lecanda and Narciso Román-Roy: *Remarks on multisymplectic reduction.*

1712.09901 (version 2)

[math-ph, math.MP]

Network's collaborators preprints and papers

Francisco Torres de Lizaaur: *Geometric structures in the nodal sets of eigenfunctions of the Dirac operator.*

1712.10310

[math.DG, math.AP, math.SP]

Simonetta Abenda and Petr G. Grinevich: *KP theory, plane-bipartite networks in the disk and rational degenerations of M-curves.*

1801.00208

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

Sanjib Dey, Andreas Fring and Véronique Hussin: *A squeezed review on coherent states and nonclassicality for non-Hermitian systems with minimal length.*

1801.01139

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

N. Aizawa: *Verma Modules over a $\mathbb{Z}_2 \otimes \mathbb{Z}_2$ Graded Superalgebra and Invariant Differential Equations.*

1801.02275

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

Michel Dubois-Violette and Giovanni Landi: *Noncommutative Euclidean spaces.*

1801.03410

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

H. W. Braden: *A Canonical Form for a Symplectic Involution.*

1801.03320

[math.RT, math-ph, math.MP, math.SG]

Andronikos Paliathanasis, Sameerah Jamal and P. G. L. Leach: *Nonlocal Representation of the $sl(2, R)$ Algebra for the Chazy equation.*

1801.04769

[math.CA, math-ph, math.MP, nlin.SI]

F. Ares, J. G. Esteve, F. Falceto and A. R. de Queiroz: *Entanglement entropy in the Long-Range Kitaev chain.*

1801.07043

[quant-ph, cond-mat.stat-mech, math-ph, math.MP]

Ludwik Dabrowski, Mads S. Jakobsen, Giovanni Landi and Franz Luef: *Solitons of general topological charge over noncommutative tori.*

1801.08596

[math-ph, math.FA, math.MP, math.OA]

Kumar Abhinav and Partha Guha: *Inhomogeneous Heisenberg Spin Chain and Quantum Vortex Filament as Non-Holonomically Deformed NLS Systems.*

1703.02353 (version 3)

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

Andronikos Paliathanasis, Tim Taves and P. G. L. Leach: *Integrability of the Einstein-nonlinear $SU(2)$ -model in a nontrivial topological sector.*

1708.01579 (version 2)

[hep-th, cond-mat.other, gr-qc, math-ph, math.MP]

Ludovic Sacchelli and Mario Sigalotti: *On the Whitney extension property for continuously differentiable horizontal curves in sub-Riemannian manifolds.*

1708.02795 (version 2)

[math.MG, math.DG, math.OC]

L. Herrera and A. Di Prisco: *Self-similarity in static axially symmetric relativistic fluids.*

1709.02265 (version 2)

[gr-qc, math-ph, math.MP]

Other Conferences

Recent Advances in Hamiltonian Dynamics and Symplectic Topology.

12–16 February 2018. Department of Mathematics Tullio Levi-Civita, University of Padova, Italy.
<http://events.math.unipd.it/hamschool2018/>

60 Years Alberto Ibert Fest. Classical and quantum Physics: Geometry, dynamics and Control.

5–9 March 2018, ICMAT, Madrid, Spain.
<https://www.icmat.es/congresos/2018/IBORT-FEST/>

Introduction to Nonlinear Systems and Control.

5–9 March 2018, Paris, France.
http://www.web-events.net/doc/users/395/bib/eeci-igsc-2018-summaries-19-07-2017_1091.pdf

The Eleventh Dynamical Systems, Mathematical, Physical Sciences, and Engineering Applications.

28–30 March 2018, Bali, Indonesia.
<https://sites.google.com/site/profakcahaydar/brief-cv/conferences-1>

Workshop on noncommutative geometry and physics: Hopf algebras and noncommutative geometry.

20–24 April 2018, Bayrischzell, Germany.
<http://hep.itp.tuwien.ac.at/~miw/bzell2018/>

International Conference on Frontiers in Industrial and Applied Mathematics.

26–27 April 2018, NIT Hamirpur (H.P.), India.
<http://fiam2017.com/>

ICMM 2018 International Conference on Mathematics and Mechanics 2018.

15–16 May 2018, Vienna, Austria.
<http://mathematics.conference-site.com/index.html>

GAP XVI Timisoara "Lie theory and applications to mathematical physics".

29 May–2 June 2018, The West University of Timisoara, Timisoara, Romania.
<http://www.geometryandphysics.org/gapxvi/?i=1>

XXth International Conference on Geometry, Integrability, and Quantization.

2–7 June 2018, near Varna, Bulgaria.
<http://www.bio21.bas.bg/conference/>

10th Workshop "STRUCTURAL DYNAMICAL SYSTEMS: Computational Aspects.

12–15 June 2018, Capitolo - Monopoli (BA), Italy.
<https://sites.google.com/site/workshopsds2018/>

The 20th European Conference on Mathematics for Industry.

18–22 June 2018, Budapest, Hungary.
<http://ecmi.bolyai.hu/>

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

18–22 June 2018, Jagiellonian University, Krakow, Poland.
<https://sites.google.com/view/etamm2/home>

SGP VII School on Geometry and Physics.

25–29 June 2018, Biaowiea, Poland.
<http://wgmp.uwb.edu.pl/>

WGMP XXXVII Workshop on Geometric Methods in Physics.

1–8 July 2018, Biaowiea, 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>

The 12th AIMS Conference on Dynamical Systems, Differential Equations and Applications.

5–9 July 2018, National Taiwan University, Taipei, Taiwan.
<http://aimsclences.org/conferences/2018/>

SIAM Conference on Mathematical Aspects of Materials Science.

9–13 July 2018, Portland, United States.
<http://www.siam.org/meetings/ms18/>

The Sixth International Conference on Control and Optimization with Industrial Applications.

11–13 July 2018, Baku, Azerbaijan.
<http://coia-conf.org/en/>

Summer Graduate School: From Symplectic Geometry to Chaos.

23 July-3 August 2018, Berkeley, California, USA.

http://www.msri.org/summer_schools/825

Hamiltonian systems, from Topology to Applications through Analysis.

13 August-14 December 2018.

<http://www.msri.org/programs/305>

VI Iberoamerican meeting on Geometry, Mechanics and Control.

13-17 August 2018, Guanajuato, Mexico.

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

SIAM Conference on Mathematics of Planet Earth.

13-15 September 2018, Philadelphia, USA.

<http://www.siam.org/meetings/mpe18/>

DS19 SIAM Conference on Applications of Dynamical Systems.

19-23 May 2019. Snowbird, Utah, USA.

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

8th European Congress of Mathematics.

5-11 July 2020, Portoroz, Slovenia.

<http://www.8ecm.si/>

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