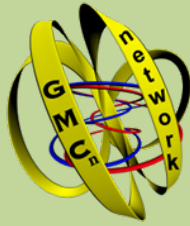# GMC Network Infosheet
March 2016

Geometry, Mechanics and Control Network Infosheet

March 2016

Editors: Rodrigo Sato, Jorge Jover, Cristina Sardón, Marta Farre

Contents

Network's activities

10th ICMAT International Summer School on Geometry, Mechanics and Control.
La Cristalera, Miraflores de la Sierra, Madrid, Spain.
19–24 June 2016

11th AIMS conference on dynamical systems, Differential equations and applications.
1–5 July 2016, Orlando, Florida, USA.
https://aimsciences.org/conferences/2016/index.html

"Nonlinear integrable systems": A workshop to honor Prof. Orlando Ragnisco.
13–15 July 2016, Burgos, Spain.
https://integrabilityworkshop.wordpress.com/

XXV International Fall Workshop on Geometry and Physics, IEM-CSIC, Madrid.
August 29th to September 2nd, 2016. Madrid.
http://www.icmat.es/congresos/2016/XXVIFWGP/index.php

Job offers, fellowships and awards

Ph.D. offers

PhD Studentship - Mathematics and Physics.
Several research projects in algebra, analysis and geometry, applied mathematics and theoretical physics.
Faculty of Mathematics, Computing and Technology; Open University Campus in Milton Keynes (UK).
Closing date: 15 April 2016.
`http://www.all-acad.com/Job/J0194296`

PhD Research Fellowship in Mathematics.
The fellow will perform research within algebra, geometry or topology.
Universitet i Oslo (Norway).
Closing date: 15 April 2016.
`http://www.all-acad.com/Job/J0198031`

PhD Research Fellowship in Mechanics/Computational Mathematics.

The fellow will perform research within mechanics, computational mathematics (geometric modeling and optimization) or partial differential equations, or at the interface between these fields..
Universitet i Oslo (Norway).
Closing date: 15 April 2016.
`http://www.all-acad.com/Job/J0198026`

PhD in Dynamics of Geometric Networks.

Geometric networks encompass networks with a geometric definition of the existence of links between the nodes, such as random graphs and stochastic geometric networks.
Dyogene (Ile-de-France, France).
Closing date: 30 April 2016.
`http://www.all-acad.com/Job/C1221141`

PhD Studentship: Analysing the nonlinear dynamics of drill strings using control-based continuation.

Engineering Mathematics.
University of Bristol.
Closing date: 1 May 2016.
`http://www.jobs.ac.uk/job/AMX264`

Research fellow (PhD candidate) in pure mathematics.

Research in one of the topics represented in the department: algebra, algebraic geometry, mathematical analysis and topology. English language proficiency required.
Department of Mathematics, University of Bergen (Norway).
Closing date: 2 June 2016.
`https://www.jobbnorge.no/en/available-jobs/job/123370/research-fellow-phd-candidate-in-pure-mathematics`

2 PhD scholarships at ICMAT.

La Caixa cofund offers two PhD research grants.
ICMAT, Madrid.
Closing date: Currently open.
`http://www.icmat.es/es/lacaixa-predoc-2016/`

Postdoctoral fellowships

Research Fellow.

The project focuses on the rigorous study of a collection of problems arising from vortex dynamics for 3D Euler.
University of Warwick (UK).
Closing date: 5 April 2016.
`http://www.jobs.ac.uk/job/AUD255`

Research Assistant in Leibniz Universität Hannover.

Offer to work in number theory, arithmetic or algebraic geometry, together with contribution to the teaching. 2-year position.
Institute of Algebra, Number Theory and Discrete Mathematics (Leibniz Universität Hannover, Germany).
Closing date: 18 April 2016.
`http://www.uni-hannover.de/en/aktuell/jobboerse/detail/luhjobs/846/`

Postdoctoral Research Assistant.

The role involves the application of Markov Chain Monte Carlo methods to optimisation problems in energy, including electrical power and heat networks.
Queen Mary University of London (UK).
Closing date: 24 April 2016.
`http://www.jobs.ac.uk/job/AUD686`

Postdoctoral position at Fordham.

Research in pure and applied mathematics, oriented to collaborations with non-mathematical disciplines.
Fordham University (New York, US).
Closing date: 31 August 2016.
`http://www.mathjobs.org/jobs/jobs/7878`

ETH Zurich Postdoctoral Fellowships.

Junior Postdoctoral Researchers.
ETH Zurich (Switzerland).
Closing date: 1 September 2016.
`https://www.ethz.ch/en/research/research-promotion/eth-internal-programmes/eth-fellowships.html`

Postdoctoral position at Princeton.

Domains of interest include nonlinear partial differential equations, computational fluid dynamics, dynamical systems, numerical analysis, stochastic problems and others.
Princeton University (New Jersey, US).
Closing date: Open.
`http://www.mathjobs.org/jobs/jobs/7407`

Post-doctoral position at the Università della Svizzera italiana.

Research in modeling networked systems.
Lugano (Switzerland).

http://www.all-acad.com/Job/J0197542

Targeted Grants in Mathematics and Physical Sciences.
The program is intended to support high-risk projects of exceptional promise and scientific importance on a case-by-case basis.
Simons Foundation.
Closing date: Open.
http://www.all-acad.com/Job/J0197315

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

Postdoctoral Fellow - Applied Mathematics Department.
Research and development of mathematical models of physical phenomena.
Lawrence Berkeley National Laboratory.
Closing date: Open.
http://www.all-acad.com/Job/J0188217

Computational Physics Postdoc.
The XCP-4 Group is seeking candidates for postdoctoral position focused on methods and implementation of Reconnection-based Arbitrary Lagrangian-Eulerian algorithms for high-speed, compressible, multimaterial flows.
Los Alamos (New Mexico, US).
Closing date: Open.
http://www.all-acad.com/Job/C1067527

Offers for researchers

Assistant professor in Algebra and Geometry.
Department of Mathematics.
Stockholm University (Sweden).
Closing date: 11 April 2016.
http://www.all-acad.com/Job/J0194091

Assistant Professor in Mathematical Physics.
Mathematical Sciences.
University of Nottingham (UK).
Closing date: 13 April 2016.
http://www.all-acad.com/Job/J0196000

Professor in Mathematics.
School of Science.
Tianjin University (China).
Closing date: 15 April 2016.
http://www.jobs.ac.uk/job/AMY260

Instructorships in Mathematics.
Of particular interest are candidates from algebra, algebraic/arithmetic geometry, and statistics. Instructors are expected to be able to teach courses in French and English.
Ecole Polytechnique Fdrale de Lausanne (Switzerland).

Closing date: 30 April 2016.
https://academicjobsonline.org/ajo/jobs/7173

Chair in Analysis and Mathematical Physics.
School of Mathematical Science.
Queen Mary University of London (UK).
Closing date: 1 May 2016.
http://www.jobs.ac.uk/job/AUD800

UTRCI Research Scientist, Control Systems.
Candidates will develope and transition algorithms and techniques in analysis, estimation, optimization and control of systems.
United Technologies Research Centre Ireland.
Closing date: 8 May 2016.
http://www.jobs.ac.uk/job/ANE264

Associate Professor in Mathematics, Partial differential equations.
The ideal candidate for the position will be able to contribute to the topics of research: numerical analysis, computational geometry, optimization and partial differential equations.
Universitet i Oslo (Norway).
Closing date: 20/5.

`http://www.all-acad.com/Job/J0199190`

Lecturer / Associate Professor / Full Professor in Mathematics.

Research in diverse areas, such as complex geometry, dynamic systems. Teaching in Mathematics. Department of Mathematics, Shantou University (China).

Closing date: 23 May 2016.

`http://www.jobs.ac.uk/job/ANG739`

Mathematician - Mathematical Researcher (Scientific problems in Industry).

The candidate will apply mathematical knowledge to tackle hitherto unsolved real-life problems in engineering and advanced industrial sector.

ThinkTank Maths Limited, Edinburgh (UK).

Closing date: 24 May 2016.

`http://www.jobs.ac.uk/job/ANH210`

Director of the School/Full Professor.

School of Mathematics and Statistics.
Carleton University (Canada).

Closing date: Open until filled.

`http://www.all-acad.com/Job/J0195666`

Instructor in Mathematics.

Department of Mathematics.
Penn State York.

Closing date: Open.

`http://www.all-acad.com/Job/J0190674`

Offers for visiting researchers

Leibniz-DAAD short research period.

1-6 month research program for Junior postdocs.
Leibniz association.
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-espanola s-inviten-a-conferenciantes-fulbright-para- un-periodo-maximo-de-dos-semanas/2015-2016`

Research in pairs in the Mathematisches Forschunginstitut Oberwolfach.

Mathematisches Forschunginstitut 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: Applicantions must be sent 6 months before planned stay.

`http://www.mfo.de/for-guest-researchers/appl y-for-a-stay/apply-for-research-in-pairs`

Programs for visiting (Non-US) Scholars.

Fulbright Scholar program.
USA.
Support for research and teaching of scholars visiting centers 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 Researh 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. Dates: Organizers may suggest any Sunday to Sunday period of 1 to 2 weeks from January 10 to December 4, 2016. 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`

Centre International de rencontres mathematiques (CIRM).

CIRM, Marseille.
Marseille, France.
Research in pairs (2 to 3 researchers for 2 to 3 weeks. CIRM subsizes 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 (2 to 4 researchers) who wish to organise a short research in Edinburgh. At least one researcher must be based in the UK. 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 researchers of the Trento area. CIRM Visiting Professors will hold short Ph.D. courses, or series of seminars.
Closing date: Applications may be sent any time.
`http://cirm.fbk.eu/cirm-visiting-professors`

Visiting the ICMAT.
ICMAT.
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 and working facilities and house-finding assistance if necessary. No financial support will be provided for these visits. Resolution no later that 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 1 to 6 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/VisitingTheCRM/Pages/G uidelinesvisitingCRM.aspx`

Visiting the IMUS.
IMUS.
University of Sevilla, Spain.
Hosting researchers from 1 to 12 months. Priority to researchers having a research plan to be developed in collaboration with IMUS members. Visitors will be provided with facilities at the Institute and house-finding assistance. No financial support will be provided. Resolutions within one month after the submission.
Closing date: Applications can be submitted any time, from 2 months to 1 year in advance.
`http://www.imus.us.es/es/contenido/intercall`

Awards

Breakthrough Prize in Mathematics.

The Breakthrough Prize aims to celebrate the best scientific work and inspire the next generation of scientists. Breakthrough Prize laureates are honored at an annual awards ceremony televised globally. In addition, the ceremony is followed by a daylong symposium featuring lectures and discussions with Breakthrough Prize laureates and leading scientists from across the world. Initiated by Mark Zuckerberg, among others Closing date: The open nomination period for the 2017 prizes will begin in the spring of 2016..
`https://breakthroughprize.org/`

Breakthrough Prize in Fundamental Physics.
The Breakthrough Prize aims to celebrate the

best scientific work and inspire the next generation of scientists. Breakthrough Prize laureates are honored at an annual awards ceremony televised globally. In addition, the ceremony is followed by a daylong symposium featuring lectures and discussions with Breakthrough Prize laureates and leading scientists from across the world. Initiated by Mark Zuckerberg, among others Closing date: The open nomination period for the 2017 prizes will begin in the spring of 2016..
https://breakthroughprize.org/

New World Mathematics Awards.
Mathematics and mathematics education are of great significance in human pursuit of knowledge and truth. They are the foundation of science and technology. In 2007, Dr Henry Cheng, Managing Director of New World Development Company Limited and Professor Yau Shing-Tung, an outstanding mathematician, co-initiated the New World Mathematics Awards" (NWMA). The goal of this program is to encourage outstanding Chinese mathematics students worldwide in their pursuit of mathematical truth. Closing date: 31 May 2016.
http://ymsc.tsinghua.edu.cn/nwma/

Coxeter-James Prize.
Canadian Mathematical Society Closing date: June 2016.
https://cms.math.ca/Prizes/cj-nom

Presidential Awards for Excellence in Science, Mathematics and Engineering Mentoring (PAESMEM).
National Science Foundation Closing date: All Full Nominations Due On June 17, 2016.
http://www.nsf.gov/pubs/2016/nsf16534/nsf16534.htm

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

Financial support for attendance to conferences.
RSME Deadline: No precise deadline.
http://www.rsme.es/content/blogcategory/64/117/

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.
Commision 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/

Financial support for organizing scientific conferences.
SNSF Deadline: All year round.
http://www.snf.ch/en/funding/science-communication/scientific-conferences/Pages/default.aspx

2018 CIMPA Research Schools call for projects.
CIMPA Deadline: October 1st, 2016.
http://cimpa.info/actualites/article/2018-cimpa-research-schools-call?lang=fr

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

Interesting news and publications

Journal of Geometric Mechanics (JGM).
Volume 8, Number 1, March 2016.
`https://aimsciences.org/journals/home.jsp?journalID=17`

IMU-Net 75.
January 2016.
`http://www.mathunion.org/imu-net/archive/2016/imu-net-075/`

ICMAT Newsletter.
Eleventh number.
`http://www.icmat.es/outreach/newsletter/num11`

New AIMS Journal.
New open access journal.
`http://www.aimspress.com/journal/Math`

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/`

Women and Math.
`http://mym.rsme.es/`

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`

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
`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`

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_ItAodMCEAIQ`

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

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. Ragnisco 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]

Giovanni Bazzoni and Juan Carlos Marrero: *On locally conformal symplectic manifolds of the first kind.*
1510.04947 (version 2)
[math.DG, math-ph, math.MP, math.SG]

A. Ibort, V. I. Man'ko, G. Marmo, A. Simoni, C. Stornaiolo and F. Ventriglia: *The quantum-to-classical transition: contraction of associative products.*
1603.01108
[quant-ph, math-ph, math.MP]

J. de Lucas, M. Tobolski and S. Vilariño: *Geometry of Riccati equations over normed division algebras.*
1603.01413
[math-ph, math.CA, math.MP, nlin.SI]

Alberto Enciso, David Hartley and Daniel Peralta-Salas: *Dislocations of arbitrary topology in highly excited states of the hydrogen atom.*
1603.03214
[math-ph, math.MP, math.SP]

Network's collaborators preprints and papers

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: *Noncommutative 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. Bourgine, 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]

Luca Vitagliano and Aïssa Wade: *Generalized Contact Bundles.*
1507.03973 (version 4)
[math.DG, math-ph, math.MP, math.SG]

Richard Cushman and Jedrzej Sniatycki: *Classical and quantum spherical pendulum.*
1603.00966
[math.SG, math-ph, math.MP]

Matteo Petrera, Andreas Pfadler and Yuri B. Suris: *On the construction of elliptic solutions of integrable birational maps.*
1409.1741 (version 3)
[nlin.SI, math-ph, math.MP]

Sang Kwan Choi, Chaiho Rim and Hong Zhang: *Irregular conformal block, spectral curve and flow equations.*
1510.09060 (version 2)
[hep-th, math-ph, math.MP]

Sumanto Chanda, Partha Guha and Raju Roychowdhury: *Bianchi-IX, Darboux-Halphen and Chazy-Ramanujan.*
1512.01662 (version 2)
[hep-th, gr-qc, math-ph, math.MP]

David J. Fernández C and VS Morales-Salgado: *SUSY partners of the truncated oscillator, Painlevé transcendents and Bäcklund transformations.*
1603.05173
[math-ph, math.MP, quant-ph]

Nils Carqueville, Catherine Meusburger and Gregor Schaumann: *3-dimensional defect TQFTs and their tricategories.*
1603.01171

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

Jose A. Carrasco, Federico Finkel, Artemio Gonzalez-Lopez, Miguel A. Rodriguez and Piergiulio Tempesta: *Critical behavior of su(1—1) supersymmetric spin chains with long-range interactions.*
1603.03668
[quant-ph, cond-mat.stat-mech, math-ph, math.MP, nlin.SI]

Jean-Emile Bourgine, Yutaka Matsuo and Hong Zhang: *Holomorphic field realization of SH^c and quantum geometry of quiver gauge theories.*
1512.02492 (version 3)
[hep-th, math-ph, math.AG, math.MP, math.QA, math.RT]

Other Conferences

Geometrical aspects of spectral theory.
4–6 April 2016, Bilbao, Spain.
`http://gast2016-bcam.blogspot.com.es/`

Reduced Density Matrices in Quantum Physics and Role of Fermionic Exchange Symmetry.
12–15 April 2016, Oxford, UK.
`http://www.conference-service.com/conferences/mathematical-problems-in-physics.html`

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/`

9th International Conference (CHAOS2016) on Chaotic Modeling, Simulation and Applications.
23–26 May 2016. London, UK.
`http://www.cmsim.org/`

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/`

II Joint conference BMS-RSME-SML.
6–8 June, 2016. Logroño, Spain.
`https://bsl.unirioja.es/`

Symplectic Techniques in Hamiltonian Dynamics.
13–17 June, 2016. Madrid, Spain .
`http://www.icmat.es/congresos/2016/STHD/`

Mathematical many body theory and its applications.
13–19 June, 2016. Bilbao, Spain.
`http://www.bcamath.org/es/workshops/mmbta`

Great Lakes Mathematical Physics meeting.

17–19 June 2016. Michigan, USA.
http://instmathphys.msu.edu/glamp2016

10th ICMAT International Summer School on Geometry, Mechanics and Control.
19–24 June 2016, La Cristalera, Miraflores de la Sierra, Madrid, Spain.
http://gmcnet.webs.ull.es/?q=node/1656

Calabi-Yau varieties: Arithmetic, geometry and physics.
20–25 June 2016. East Sussex, UK.
http://www.iag.uni-hannover.de/593.html

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

Algebraic Geometry and Mathematical Physics.
30 June- 1st July. Tromso, Norway..
http://site.uit.no/agmp/

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/turbulencewavesmixing.html

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

"Nonlinear integrable systems": A workshop to honor Prof. Orlando Ragnisco.
13–15 July Burgos, Spain.
https://integrabilityworkshop.wordpress.com/

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

Unified Field Mechanics.
24 July–28 July. Portonovo, Italy.
http://www.noeticadvancedstudies.us/index10.html

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/

Operator algebras and Mathematical Physics.
August 1–12, Tohuku, Japan.
http://www.ms.u-tokyo.ac.jp/~yasuyuki/msj-si2016.htm

SIAM Conference on Nonlinear Waves and Coherent Structures (NWCS16).
August 8–11, 2016. Philadelphia, Pennsylvania.
http://www.siam.org/meetings/nwcs16/index.php

21st International Summer School on Global Analysis and Applications.
15–19 August, 2016. Poprad, Slovakia.
http://www.lepageri.eu/summer-school

Sirince Summer School in Mathematical Physics.
August 22-September 4, 2016. Sirince, Turkey.
https://matematikkoyu.org/eng/events/2016-fizik/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/

WAVES IN SCIENCE AND ENGINEERING.
22 Aug 2016 - 26 Aug 2016, Queretaro, Mexico.

`http://qro.cinvestav.mx/index.php/wise2016`

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/`

XXV International Fall Workshop on Geometry and Physics, IEM-CSIC, Madrid.
August 29th to September 2nd, 2016. Madrid.
`http://www.icmat.es/congresos/2016/XXVIFWGP/index.php`

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`

UFBS16 Universality in Few-Body Systems.
07 Nov 2016 - 16 Dec 2016, Santa Barbara, CA, US.
`http://www.aps.org/meetings/meeting.cfm?name=UFBS16`

Methods in Geometry and Physics.
05 May 2017 - 07 May 2017, Allerton, IL, United States.
`http://schapos.people.uic.edu/Steve.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