Conferences and Workshops

For upcoming DCMP conferences and workshops please go to:
http://www.aps.org/units/dcmp/meetings/index.cfm?utm_source=Units&utm_campaign=035db85a7e-DCMP+041315&utm_medium=email&utm_term=0_a5eb4215e8-035db85a7e-106977225

Various other physics conferences around the world go to http://www.ysfine.com and chose CONFMENU.

SIDE 13 is the thirteenth in a series of biennial conferences devoted to Symmetries and Integrability of Difference Equations, and in particular to: ordinary and partial difference equations, analytic difference equations, orthogonal polynomials and special functions, symmetries and reductions, discrete differential geometry, integrable discrete systems on graphs, integrable dynamical mappings, (discrete) Painlevé equations, integrability criteria, Yang-Baxter type equations, cluster algebras, difference Galois theory, quantum mappings, quantum field theory on space-time lattices, representation theory, combinatorics, numerical models of differential equations, discrete stochastic models and other related topics. For more information please visit http://sites.google.com/site/side13conference/

"Point Configurations in Geometry, Physics, and Computer Science" taking place at the ICERM in Brown, Rhode Island, February 1 to May 1, 2018.
https://icerm.brown.edu/programs/sp-s18/
The program topics include random point configurations, random matrices, computation and optimization of energy, packing and covering, multi-pole methods, sparsity, and frames, and the theory of lattices with applications to coding and cryptography. There will be four thematic workshops. Funding is available, in particular for young researchers, and applications should be submitted via the website.

Trimester (3-month program) on "Measurement and control of quantum systems : theory and experiments", organized with the collaboration of the Centre Emile Borel at the Institut Henri Poincare in Paris, from April 16th to July 13rd, 2018.
Information on the scientific programme can be found at: https://sites.google.com/view/mcqs2018/home
The registration for the programme is free but recommended: http://www.ihp.fr/en/ceb/T2-2018

The XIX International Congress on Mathematical Physics to be held in Montreal, Quebec, Canada from July 23 to July 28. The International Congress of Mathematical Physics (ICMP), on its three year cycle, is the most important conference of the International Association of Mathematical Physics. The ICMP 2018 will be a major event, where new results and future challenges will be discussed, illustrating the richness and vitality of Mathematical Physics.
Following a tradition started in London in 2000, the ICMP 2018 will be preceded by the Young Researchers Symposium (July 20 and 21, 2018). Seven satellite meetings are being organized in Banff, Toronto, Montreal, and Perimeter Institute either before or after ICMP 2018. For more information please visit https://icmp2018.org/

The 32nd International Colloquium on Group Theoretical Methods in Physics (Group32) will be held at Czech Technical University in Prague, Czech Republic, from Monday 9th July until Friday 13th July 2018. Arrival date 8th July and departure date 14th July.
http://www.group32.cz/
The ICGTMP series is traditionally dedicated to the application of symmetry and group theoretical methods in physics, mathematics and other sciences, and to the development of mathematical tools and theories for progress in group theory and symmetries.

The official registration will be announced beginning of 2018. There will be registration fee which will cover: participation in the conference, the welcome party, conference materials, coffee breaks, excursion, and proceedings volume. The fee will be reduced 50% for PhD students.

ICCS 2018 International Conference on Computational Science in Wuxi, China, June 11-13, 2018
https://www.iccs-meeting.org/iccs2018/
Authors are invited to submit manuscripts reporting original unpublished research and recent developments in Computational Sciences by December 15, 2017.
https://easychair.org/account/signin.cgi?key=60491264.vIUCr3TgHFRKq05W
All accepted papers will be included in the Springer Lecture Notes in Computer Science (LNCS) series and indexed by Scopus, EI Engineering Index, Thomson Reuters Conference Proceedings Citation Index (included in ISI Web of Science), and several other indexing services. The papers will contain linked references, XML versions and citable DOI numbers.
Submission implies the willingness of at least one of the authors to register and present the paper.
Papers must be based on unpublished original work and must be submitted to ICCS only.
Conference sessions: June 11-13, 2018

"Long-range interactions and Synchronization: Physical phenomena, Theory & Experiments" at the ICTP-SAIFR in São Paulo, Brazil, during 28-31 of May, 2018.
This workshop aims to bring together statistical physicists and dynamical physicists to discuss common aspects of long-range and synchronizing systems, addressing both fundamental techniques (large deviations theory, kinetic theory, dimensional reduction, equilibrium and nonequilibrium statistical physical aspects, etc) and applications (networks, light-matter interactions, etc).
More details may be found on the workshop webpage: http://www.ictp-saifr.org/?page_id=15905

AZ School 2018, The Arizona School of Analysis and Mathematical Physics, March 5-9, 2018

The school will be centered around four mini-courses, each of which consists of four one-hour lectures.
- Adiabatic dynamics and linear response theory for many-body quantum systems by Sven Bachmann (University of British Colombia).
- Entanglement Theory by Fernando Brandao (Caltech).
- Quasi-free variational models for bosons and fermions by Jan Philip Solovej (University of Copenhagen).
- Disordered quantum spin systems by Gunter Stolz (University of Alabama, Birmingham)

There will be additional talks by selected senior participants and short presentations by junior researchers. The target audience is PhD students and postdocs.

More information can be found on the school web site at http://math.arizona.edu/~mathphys/AZSchool18

We have applied for support from the NSF, which we expect will allow us to pay travel expenses (up to $500) plus accommodation of junior participants. We should also be able to offer local accommodation to some senior participants.

Palestine Technical University-Kadoorie, and in cooperation with Palestinian universities, is organizing the “Sixth Palestinian Conference on Modern Trends in Mathematics and Physics” (August 5-8, 2018).

The conference aims to provide a multinational platform where the latest trends in physics, mathematics and statistics can be discussed in a productive, research-conducive environment.

Participants who wish to take part in the Conference are kindly asked to submit their abstracts no later than April 15, 2018 on the conference website www.ptuk.edu.ps/PCMTMP-VI.

Participants will be notified about accepting their papers no later than May 7, 2018.

12th INTERNATIONAL CONFERENCE ON LANGUAGE AND AUTOMATA THEORY AND APPLICATIONS, LATA 2018
Bar-Ilan near Tel Aviv, Israel, April 8-12, 2018. Organized by the Department of Computer Science at Bar-Ilan University and Research Group on Mathematical Linguistics (GRLMC) Rovira i Virgili University.

LATA is a conference series on theoretical computer science and its applications. Following the tradition of the diverse PhD training events in the field organized by Rovira i Virgili University since 2002, LATA 2018 will reserve significant room for young scholars at the beginning of their career. It will aim at attracting contributions from classical theory fields as well as application areas.

LATA 2018 will take place in Ramat Gan, in the district of Tel Aviv and home to one of the world's major diamond exchanges. The venue will be the Faculty of Exact Sciences of Bar-Ilan University.

For more information please visit http://grammars.grlmc.com/LATA2018/

The XXI Summer Diffiety School on Geometry of Partial Differential Equations and Secondary Calculus, July 19-31, 2018, Lizzano in Belvedere (BO), Italy. For more information see the web-page of the school:

https://sites.google.com/site/levicivitainstitute/Activities/DiffietySchools/xxi-summer-diffiety-school

A mini-symposium on "The Mechanical Response of Complex and Disordered Materials" is organized at the World Congress of Computational Mechanics in New York from 22 to 27 July 2018 (http://www.wccm2018.org) Abstracts must be submitted as soon as possible now and before December 31 through http://www.wccm2018.org/abstract-submission
School and Workshop "Mathematical Challenges in Quantum Mechanics" (MCQM18) which will be held at "Sapienza" University of Rome (Rome, Italy) on February, 19-24, 2018. Further information is available on the website: http://mcqm18.cond-math.it/


11th Chaotic Modeling and Simulation International Conference (CHAOS2018, 5-8 June 2018) in Rome Italy. Chaos theory is developed rapidly the last decades. With CHAOS2018 International Conference we celebrate 11 years of active presence in the field via the annual conference, the proceedings and publications in books and the CMSIM Journal. For more information please visit the conference website at: www.cmsim.org or send email to Secretariat@cmsim1.org.

ICPMS2018 International Conference on Physics, Mathematics and Statistics in Shanghai, China, May 12-14, 2018 The conference will provide a high level forum for scholars and researchers from all over the world to share their research achievements, explore the hot issues and exchange the new experiences and technologies in the field of Physics, Mathematics and Statistics. For more information please visit http://www.pmsconf.org/

Lipari School on Computational Life Sciences Computational Immunology, Immunotherapy and Autoimmune Diseases July 25-31, 2018 in Lipari Island, Italy. For more information please visit https://liparischool.it/ For a school virtual tour please visit https://www.youtube.com/watch?v=pFc1wCozDfQ Aim and scope: Recent advances in high-throughput sequencing and single-cell technologies in connection to novel models for analyzing such data are causing a rapid evolution in immunology and immunotherapy, giving rise to a novel understanding of diseases such as autoimmune diseases. Topics such as Epitope Predictions, Rejection in transplants, Immunotherapy and Autoimmune Diseases are yielding intriguing and complex problems. Our main and special guest lectures will address such a scope focusing on algorithms, models, biomedical and biotechnological techniques together with clinical applications. From the enclosed bibliography, the selected themes have received much attention in the scholarly literature ranging from Nature and Science to Bioinformatics Journals.

The Cancer Genomics and Mathematical Data Analysis Symposium held at Columbia University, on February 7th and 8th, 2018. Heart Conference Center, 1st Floor, 173 Fort Washington Ave New York, NY 10032
The symposium on Cancer Genomics and Mathematical Data Analysis, co-organized by Columbia PSOC ( Directors Drs Rabadan & Iavarone), MSK CSBC (Directors Dr Leslie & Rudensky), Columbia CSBC (Directors Drs Califano & Honig) and Cornell PSOC (Drs Fischbach-Teschl & Cantley) will present a comprehensive overview of algorithmic and mathematical approaches to the study of cancer through genomic approaches.

EMS-IAMP Summer School in Mathematical Physics on 'Universality in Probability Theory and Statistical Mechanics', which will be held in Ischia (Naples, Italy) on June 11-15, 2018 http://www.mat.uniroma3.it/users/giuliani/public_html/Ischia_Summer_School/pagine_sito/index.html
Some financial support will be available for students and young researchers. The school will also include a session dedicated to contributed talks, offered by some of the young participants. For more details, please refer to the website.
Should you need any further information, please contact us at agnese.dorazio@mat.uniroma3.it

Multi-Time Wave Functions" organized by Matthias Lienert jointly with Roderich Tumulka at Rutgers University. March 26-27, 2018, Rutgers University, Bush Campus, CoRE building, room 433
For more information please visit website: http://sites.math.rutgers.edu/~ml1255/workshop2018.html

Multi-time wave functions were first suggested by Dirac in 1932 as a basic object in relativistic quantum theory. They are maps $\psi(x_1,...,x_N)$ depending on N spacetime points $x_i$ for N particles. In this way, they provide a manifestly covariant representation of the quantum state in the particle-position representation. This leads to a relativistic version of the Schrödinger picture. Because of the many time coordinates occurring in a multi-time wave function, many interesting physical questions and challenging mathematical problems result. In recent years, there has been significant progress in the theory and several new lines of research have been opened up.

This workshop aims at bringing together people interested in discussing and learning more about multi-time wave functions. It may be of interest for people from diverse fields, such as mathematical physics, relativistic quantum theory, foundations of quantum physics, and more.

To register, please send an email to m.lienert@rutgers.edu until January 31, 2018! We would be happy to see you at the workshop.

Transport and localization in random media: theory and applications, which will be held at Columbia University from May 1 - 3, 2018. For more information, please consult the website (http://www.kinet.umd.edu/content/conf?event_id=843).
Registration: Please consult the website for instructions on how to register.
Funding: Due to support from the NSF, some funding is available primarily for early career participants (preference given towards graduate students, postdocs and early tenure-track). Please consult the website and follow the instruction in order to apply for funding. Funds will be allocated on a rolling basis until depleted, so do not wait to apply.
The second edition of NSF/DOE Quantum Summer School is now accepting applications. Deadline is January 31st.


Please check the webpage: qs3.mit.edu for information about the School and for access to online application. QS3 will support most travel and local costs for students and postdocs. This includes reimbursement for travel including economy airfare, dormitory room, and meals. The QS3 School is part of NSF’s “Quantum Leap” program. The 2018 edition will focus on “Fundamentals and Applications of Quantum Materials”, providing an excellent education and fun opportunity to graduate students and postdocs in the fields of condensed matter physics, materials science, and disciplines of quantum science in engineering, chemistry, and related fields.

Dear Colleague,

The 32nd International Colloquium on Group Theoretical Methods in Physics (Group32) will be held at Czech Technical University in Prague, Czech Republic, from Monday 9th July until Friday 13th July 2018. https://na01.safelinks.protection.outlook.com/?url=www.group32.cz&data=02%7C01%7Clebowitz%40math.rutgers.edu%7C7584caddda040e7e1d308d5513d3686%7C5924d234d35447093ff69aca6632ffe%7C1%7C0%7C636504
245733848460&sdata=EuqkV4vv5fom11hzSj%2BAsRLoCnKw5xqY6I%2FfutluzgY%3D&reserved=0

The ICGTMP series is traditionally dedicated to the application of symmetry and group theoretical methods in physics, mathematics and other sciences, and to the development of mathematical tools and theories for progress in group theory and symmetries. There will be registration fee which will cover: participation in the conference, the welcome party, conference materials, coffee breaks, excursion, proceedings volume. The fee will be reduced 50% for PhD students.

Workshop on teaching and learning statistical physics will be held in Montepulciano (Siena, Italy) from the 4th to the 6th of April 2018: https://sites.google.com/site/nespbook/home/workshop