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 choose 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 deadline to apply for financial support is September 30th, 2017

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.

Dynamics Days US 2018, January 4-6, 2018, Marriott City Center, Denver, Colorado
For more information please visit http://www.colorado.edu/amath/ddays2018
Abstracts for contributed talks and requests for travel support will be accepted until Thursday, Nov. 9, 2017. Abstracts for posters will be accepted until Friday, Dec. 15, 2017.

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.vlUCr3TgHFRKq05W
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.

Complexity and Data Analytics/AI, Winter Courses, Early Registration Deadline December 1

The NECSI Winter School offers two intensive week-long courses on complexity science, modeling and networks, and data analytics. The format of the courses is modular and you may register for either or both of the weeks. If desired, arrangements for credit at a home institution may be made in advance.

The second week will cover data analytics, including an introduction to AI and deep learning algorithms. Participants will learn how to handle large datasets using academy- and industry-standard toolboxes, how to integrate data into the construction of models and analysis relevant to research and industry applications, and a variety of visualization techniques.

The schedule for the winter school is as follows:
- Lab 1: January 1 CX102: Computer Programming for Complex Systems
- Week 1: January 2-6 CX202: Building Models and Mapping Networks
- Lab 2: January 7 CX103: Setting up for Data Analytics
- Week 2: January 8-12 CX203: From Data to Insight Using Data Analytics

Register before December 1 for an early registration discount. For more information, go to: http://necsi.edu/education/school.html

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

4th INTERNATIONAL WINTER SCHOOL ON BIG DATA, BigDat 2018, in Timișoara, Romania January 22-26, 2018
Organized by: West University of Timișoara and Rovira i Virgili University. For more information please visit:
http://grammars.grlmc.com/BigDat2018/

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/

July 22 - 27, 2018, at the Hyatt Regency in Cambridge, MA, USA
For more information please visit http://www.necsi.edu/events/iccs2018/

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.

SRitp workshop on “Correlations, Fluctuations and anomalous transport in systems far from equilibrium” which will be held at the Weizmann Institute on 31.12.2017 – 12.01.2018

The workshop is aimed at bringing together leading researchers, young scientists and PhD students active in the broad field of nonequilibrium statistical physics fostering open discussions and exploring new directions of research in this rapidly evolving field. Topics that will be covered include large deviations, long-range correlations, anomalous transport and rare events.

For more details see the attached poster or visit the workshop website http://www.weizmann.ac.il/conferences/SRitp/DecJan2018/