

Conferences and Workshops

For upcoming DCOMP 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

International Conference on Computational Science, 3-5 June 2020. Amsterdam

The International Conference on Computational Science (ICCS) is celebrating its 20th edition next year in the beautiful city of Amsterdam, The Netherlands, on 3-5 June 2020.

The International Conference on Computational Science - ICCS 2020 - is now inviting submissions reporting original, unpublished research and recent developments in Computational Sciences by 13 December 2019. Papers of up to 14 pages, written in English and complying with the Springer LNCS format, should be submitted electronically through the EasyChair submission system.

Keynote Speakers:

- Albert-László Barabási, Northeastern University, USA
- Lorena Barba, George Washington University, USA
- Paul Davies, Arizona State University, USA
- Peter Hunter, The University of Auckland, New Zealand
- Seth Lloyd, MIT, USA
- Marten Scheffer, SparcS Center, The Netherlands

<https://www.iccs-meeting.org/iccs2020/keynote-lectures/>

School "Gapless Fermions - from Fermi liquids to strange metals", MPIPKS Dresden, 17 - 28 February 2020

We would like to announce a winter school on "Gapless Fermions - from Fermi liquids to strange metals", MPIPKS Dresden, 17 - 28 February 2020.

The lecturers include F. Assaad, J. Checkelsky, C. Felser, A. Georges* (TBC), T. Giamarchi, I. Herbut, S. Lee, A. P. Mackenzie, W. Metzner, J. Schmalian, R. Shankar, V. Sunko, M. Vojta, and Y. You.

Deadline for applications is 31 October 2019. Further details can be found on the attached poster, which we would like to ask you to kindly post at your institution and/or forward to potential participants.

Spring College on the Physics of Complex Systems, 24 Feb - 20 Mar 2020, The Abdus Salam ICTP, Trieste (Italy)

Lecturers and Courses:

M. Bandi (OIST, Okinawa, Japan) Fluctuations and Information in Physical Systems

R. Ramaswamy (Indian Institute of Technology, Delhi, India) Synchrony in nonlinear dynamical systems

S. Redner (Santa Fe Institute, New Mexico, USA) A Kinetic View of Statistical Physics

A. Silva (SISSA, Trieste, Italy) Quantum systems out of equilibrium

L. Zdeborova (CNRS, Paris, France) Statistical Mechanics toolbox for Machine Learning

Applications and Rules for Participation: <http://indico.ictp.it/event/9024/> Deadline: 15 November 2019.

5th International Conference on Complexity, Future Information Systems and Risk

<http://www.complexis.org>

May 08 - 09, 2020

COMPLEXIS – The International Conference on Complexity, Future Information Systems and Risk, aims at becoming a yearly meeting place for presenting and discussing innovative views on all aspects of Complex Information Systems, in different areas such as Informatics, Telecommunications, Computational Intelligence, Biology, Biomedical Engineering and Social Sciences. Information is pervasive in many areas of human

activity – perhaps all – and complexity is a characteristic of current Exabyte-sized, highly connected and hyper dimensional, information systems.

COMPLEXIS is organized in 5 major tracks:

- 1 - Complexity in Informatics and Networking
- 2 - Complexity in Biology and Biomedical Engineering
- 3 - Complexity in Social Sciences
- 4 - Complexity in Risk and Predictive Modeling
- 5 - Complexity in Edge/Fog Computing

**8th ANNUAL WINTER Q-BIO MEETING Quantitative Biology on the Hawaiian Islands
February 18-21, 2020**

The Winter q-bio meeting brings together scientists and engineers who are interested in all areas of q-bio. Technology is driving revolutionary changes in biology. Systems Biology has arisen as the deduction of interaction networks from -omics data generated in the wake of remarkable technological achievements. Likewise, DNA synthesis technologies are driving the development of Synthetic Biology, whereby engineered circuitry and even entire genomes can be reconstituted from chemical building blocks. These two emerging areas have catalyzed the growth of Quantitative Biology, whereby the central goal is the deduction of quantitative principles that can be used to construct predictive models for biological phenomena.

The venue for 2020 is the [Hilton Waikoloa Village](#), a spectacular oceanfront playground, set on the sunny Kohala Coast on the Big Island of Hawaii.

REGISTRATION IS AVAILABLE AT: <http://w-qbio.org/register>

[Challenges in probability and statistical mechanics](#)

Technion – Israel, 1 - 5 June 2020

Registration

The deadline for the registration is March 22, 2020.

More information can be found on the conference web-page:

<https://cms-math.net.technion.ac.il/challenges-in-probability-and-statistical-mechanics/>

Shorter talks

We plan to give a few younger participants the opportunity to deliver a short talk on their current research. If you are interested please contact Ron Rosenthal (ron.ro@technion.ac.il).

Third Infinity 2020 Conference, February 24-26 2020, Max-Planck-Campus Göttingen

Third Infinity is a biennial conference organized by the graduate students of the International Max Planck Research School -- Physics of Biological and Complex Systems. The central topic of this year's conference is physics out-of-equilibrium, subdivided in five sessions: molecular biophysics, soft matter, active matter, fluid dynamics, and complex networks. For more information check:

<https://thirdinfinity.mpg.de/>

**NETSCI2020: Flagship conference of the Network Science Society
6th-10th July, 2020 - Rome, Italy**

NetSci 2020 is the flagship conference of the Network Science Society, which aims to bring together leading researchers and practitioners working in the emerging research area of network science.

The NetSci conference fosters multi-disciplinary communication and collaboration

in network science research across computer and information sciences, physics, mathematics, statistics, the life sciences, neuroscience, environmental sciences, social sciences, finance and business, arts and design. <http://netsci2020.netscisociety.net>

**São Paulo School of Advanced Science on Quantum Fluids and Applications
April 20-30, 2020, São Carlos Institute of Physics, University of São Paulo (USP), Brazil**

This school is targeted at graduate students and early career researchers (post-doctorate). It will cover relevant topics on quantum fluids, such as: Bose-Einstein condensation, degenerate Fermi gases, out-of-equilibrium quantum fluids, adiabatic traps for cold atoms, quantum magnetism, macroscopic quantum phenomena, quantum simulation, and supersolids. Organizers: V.S. Bagnato (IFSC-USP), M.T. Yamashita (IFT-UNESP), M.C. de Oliveira (IFGW-UNICAMP)

<https://www.quantumfluids2020.com/>

Workshop on Chimera States: From Theory and Experiments to Technology and Living Systems

4-8 May 2020, Max Planck Institute for the Physics of Complex Systems, Dresden, Germany

More details can be found on the event's web page through

<https://www.pks.mpg.de/chimer20/>

EMBL-Australia Group Leader Position, UNSW, Sydney,

New group-leader position being advertised by the University of New South Wales (UNSW), Sydney. The position is funded as part by the prestigious EMBL-Australia programme, aimed at early or early-to-mid career researchers, and provides generous salary and group funding for a 9 year period (implemented as 5+4 years with a mid-term review).

The remit of the call is broad, and encompasses both physicists (theoretical & experimental) and applied mathematicians, so long as research outcomes are focussed squarely on Biology.

Questions: Richard Morris <richardgmorris@gmail.com> or Katharina Gaus (k.gaus@unsw.edu.au).

Deadline 9th Jan 2020

11th Liquid Matter Conference, Prague, Czech Republic, July 20-24 2020

We are pleased to announce that the abstracts for contributed oral presentations and poster presentations at the 11th Liquid Matter Conference to be held in Prague, Czech Republic, July 20-24 2020, can now be submitted through the online system at <http://www.lmc2020.cz/>

We ask you to consider presenting your work and participating at the conference. Please note that the deadline for abstract submission is January 31, 2020.

The conference will review the recent advances in experimental, theoretical, and applied studies in the liquid state of matter.

"Systems out of equilibrium: interplay between statistical, quantum and disordered dynamics" at the Henri Poincaré Institute (IHP) in Paris

Registration is free but mandatory:

Important: the deadline for financial support requests is March 15th, 2020

The Henri Poincaré Institute can help you to find an accommodation during your stay in Paris.

An introductory school will be organized at IESC (Corsica) at the beginning of the program, from September 14th to 18th, 2020: "Clean and disordered systems out of equilibrium: interplay between classical and quantum dynamics".

Registration for the introductory school will be open later.

A conference will be organized at IHP from November 2nd to 6th, 2020: "Frontiers in out of equilibrium dynamics of many-body systems"

Registration for conference: <https://indico.math.cnrs.fr/event/4728/>

International Conference on Computational Science, 3-5 June 2020, Amsterdam

The International Conference on Computational Science (ICCS) is celebrating its 20th edition next year in the beautiful city of Amsterdam, The Netherlands, on 3-5 June 2020.

Submission deadline extended to 6 January 2020. Submit your paper now at:

<https://easychair.org/conferences/?conf=iccs20200>

ICCS proceedings will be published in the Springer's LNCS and indexed by Scopus, EI Engineering Index, Thomson Reuters Conference Proceedings Citation Index (included in ISI Web of Science), and several others.

20 thematic tracks confirmed, covering a broad variety of topics: <https://www.iccs-meeting.org/iccs2020/thematic-tracks/>

Six world-renowned keynote speakers are already confirmed: <https://www.iccs-meeting.org/iccs2020/keynote-lectures/>

Important Dates

Paper submission deadline: 6 January 2020

Notification of acceptance: 14 February 2020

Camera-ready papers and registration: 6 March 2020

SigmaPhi2020 Conference on Statistical Physics - Call for proposals of Workshops and Special Sessions

International Conference on Statistical Physics [SigmaPhi2020](#) to be held in Chania Crete, Greece on July 13-17, 2020. The conference venue is the [Minoia Palace Resort](#).

The Conference will cover all the fields of Statistical Physics, theory and applications.

Questions and suggestions are welcome and should be sent to the official Conference address:

sigmaphi@polito.it

Proposals for the organization of Topical Workshops, Special Sessions, Group Meetings, or any other scientific event to be included in the official Conference Program should be submitted before 31 January 2020 to sigmaphi@polito.it

As in its last four editions (SigmaPhi2008, SigmaPhi2011, SigmaPhi2014, SigmaPhi2017) the Conference SigmaPhi2020 will host the annual Board Meeting of the Statistical and Nonlinear Physics division of the European Physical Society [EPS-SNLP](#).

Updated information can be found at the Conference web-site [SigmaPhi2020](#).

Research Group Leader in Theoretical Condensed Matter Physics

Candidates are expected to build and lead a group to pursue a high-quality research program. They should have a strong postdoctoral re-search track record in theoretical condensed matter and/or materials physics. The group is a joint group of the two institutes and is hence encouraged to interact strongly with colleagues specializing both in theory and in experiment. The position has a flexible starting date in 2020, and is for a five-year period with the possibility of renewal. Remuneration is competitive (TVöD 15) and generous funds are available for hiring post-docs and PhD students. Please send your CV, publication list and a description of research accomplishments and future plans to schuppe@pks.mpg.de (mentioning 'JRG20', preferably a single pdf file via e-mail), and arrange for three letters of reference to be sent. Any questions may be addressed to the directors of the divisions involved (Professor Andrew Mackenzie at MPI-CPfS or Professor Roderich Moessner at MPI-PKS).

We especially encourage women to apply. Consideration of applications will start immediately until the position is filled; for primary consideration please submit all materials by 8 January 2020.

The Max Planck Society is committed to employing more individuals with disabilities, who in the case of equal qualifications will take precedence.

Mathematical Challenges in Quantum Mechanics 2020 will be held in Como (Italy) between June 8 - 13, 2020. For more information please visit <https://www.mcqm.it>

This is the third edition of a series of meetings by the same title, the previous ones took place in Rome (2018) and Bressanone (2016). The aim of the meeting is to present the state of the art in some challenging open problems in Quantum Mechanics from the point of view of Mathematical Physics. The school consist of three courses of 6 hours each that will be given in a series of lectures scheduled in the morning of each day. In the afternoon plenary talks will be given by invited speakers. Young participants will have the opportunity to present their research with short contributed talks and in the poster session.

Deadlines

Request for financial support: February 28, 2020

Request for poster/contributed talk presentation: March 31, 2020

Registration: April 30, 2020

ICCE-28 July 19-25, 2020 in Prague, Czech Republic

28th International Conference on Composites or Nano Engineering

www.icce-nano.org