

Report for the C3 Commission (Statistical Physics) to the IUPAP on 12 April 2018

The C3 Commission for Statistical Physics is responsible for running the IUPAP STATPHYS Conference, which has been held 26 times so far; the average participation of about 800-1000 statistical physicists in each such Conference. The last such meeting, STATPHYS 26, was held in Lyon, France. This Conference is moved every three years from continent to continent; the next one, STATPHYS 27, is scheduled from 8-12 July 2019 in Buenos Aires. During such STATPHYS conferences the C3 Commission meets, the Boltzmann Medal is awarded to outstanding Statistical Physicists (chosen by votes of the members of the C3 Commission, the former Chair of the C3 Commission, the Chair of the Organizing Committee for the STATPHYS Conference, and previous Boltzmann Medalists). In addition, in the last four meetings, Young Scientists Prizes have been awarded to highly promising young Statistical Physicists.

The 29th General Assembly of the International Union of Pure and Applied Physics was held in Sao Paulo from 11 - 13 October 2017. On its last day, the 29th General Assembly, confirmed the Commission on Statistical Physics (C.3) for the term 2018 - 2020, to serve from the 1st of January 2018 to the 31st of December 2020.

As soon as this new C3 Commission was confirmed, its members started working on the plans for STATPHYS 27, which will be held in Buenos Aires, Argentina, from 8-12 July 2019. They worked with the Chair of STATPHYS 27, Professor Sylvia Ponce Dawson, to set up the International Advisory Committee and the Steering Committee for STATPHYS 27. Professor Dawson then sought nominations for speakers, for both plenary and invited talks, from the members of the International Advisory Committee, the Steering Committee, and the members of the C3 Commission. Nearly 600 excellent nominations were received for such talks. These nominations were then discussed in the meeting of the Steering Committee that was held in Buenos Aires from 10-12 April 2018.

We are very happy to report that this Committee has put together a short list of excellent statistical physicists, who will now be invited to lecture at STATPHYS 27. In the list of speakers all continents are represented; and the Steering Committee has taken special care in ensuring that at least 20 percent of the speakers are women. This Committee has also put together lists of experts who will be asked to serve on Topics Committees (there are 8 Topics in STATPHYS Meetings) that will be responsible for selecting oral presentations from the contributed abstracts. The proposals for Satellite meetings, in Brazil, Chile, Uruguay, Bolivia, and Argentina were also discussed.

Other organizational details, such as abstract-submission deadlines and the Proceedings of STATPHYS 27 were discussed with Professor Dawson and other members of the Local Organising Committee for STATPHYS 27. The members of the Steering Committee also visited the conference venue, in downtown Buenos Aires, which will be used for STATPHYS 27.

The Chair, the Vice Chair, and the Secretary of the C3 Commission were present at the meeting of the Steering Committee; all of them are members of this Steering Committee.

In response to a call for nominations from IUPAP, The Chair, the Vice Chair, and the Secretary of the C3 Commission presented the nomination of Professor Itamar Procaccia, former Chair of the C3 Commission, for the ISC's Governing Board.

We list below some upcoming conferences in the area of Statistical Physics that will receive support from IUPAP.

Upcoming Sponsored Commission Conferences

C3: Commission on Statistical Physics

[Unifying Concepts in Glass Physics \(UCGP 2018\)](#)

11 - 15 June 2018, Bristol, UK

Upcoming Endorsed Commission Conferences

C3: Commission on Statistical Physics

- [Active Matter and Non-Equilibrium Statistical Physics \(AMNSP 2018\)](#)
27 August - 21 September 2018, Les Houches, France
- [Dynamics and thermodynamics of interacting systems from classical to quantum \(DTISCO 2018\)](#)
7 - 10 May 2018, Trieste, Italy
- [Workshop on Complex Biological Oscillations \(WCBO 2018\)](#)
9 - 13 September 2018, Buckinghamshire, UK
- [New Trends in nonequilibrium statistical mechanics: classical and quantum systems \(NTNSMCQ 2018\)](#)
25 - 31 July 2018, Palermo, Italy
- [Conference of Middle-European Cooperation in Statistical Physics, the 43th edition \(MECO-43\)](#)
1 - 4 May 2018, Krakow, Poland

Rahul Pandit, Chair, C3 Commission (Statistical Physics) of the IUPAP

Maxi San Miguel, Vice Chair, C3 Commission (Statistical Physics) of the IUPAP

Lucilla de Arcangelis, Secretary, C3 Commission (Statistical Physics) of the IUPAP