

C18 - Mathematical Physics

Report to the Council & Committee Chairs (Fall 2020)

Bruno Nachtergael, Chair

The main periodic IUPAP sponsored event associated with the Commission on Mathematical Physics (C18) is the triennial International Congress on Mathematical Physics (ICMP). The most recent ICMP took place in summer 2018 in Montreal, Canada. The IAMP Executive Council held at that meeting decided that the next ICMP will take place in Geneva in August 2021. The organizers of ICMP 2021 have, however, not applied for financial support from IUPAP for this conference. They are confident they have secured sufficient financial resources locally in Switzerland. C18 has also not received any other conference applications this year. The covid-19 pandemic is the most likely explanation of this.

Instead of awarding one prize every year, C18 has elected to recognize three researchers with a IUPAP Young Scientist Prize once every three years in sync with the schedule of the ICMP conferences. This allows us to publicly announce the winners during a prize ceremony held in conjunction with the opening of the ICMP conference. We believe that this schedule has helped raise the profile of the prizes and offers a great opportunity to advertise IUPAP's role in the international community. Therefore, we have issued a call for nominations in summer 2020 with a deadline of September 30, 2020 (see attached page). This will leave enough time to allow the selection committee to make a timely recommendation. This is important to provide the winners with enough time to make plans to attend the award ceremony. The organizers of the ICMP typically also invite the winners to give a presentation at the conference. The selection committee will consist of the C18 chair and four additional commission members. The recommendation of the selection committee is voted on by the full membership of C18.

In response to the IUPAP leadership's decision to postpone the General Assembly to Fall 2021 and their request to continue their duties for a year, all current C18 members and officers have agreed to continue in their current roles until December 31, 2021.

2021 IUPAP Young Scientist Prize in Mathematical Physics

Call for Nominations

IUPAP Commission C18 (Mathematical Physics) calls for nominations for the IUPAP Young Scientist Prize in Mathematical Physics.

The prize recognizes exceptional achievements in mathematical physics by scientists at relatively early stages of their careers. It is awarded triennially to at most three young scientists satisfying the following criteria:

- The recipients of the awards in a given year should have a maximum of 8 years of research experience (excluding career interruptions) following their PhD on January 1 of that year (in this case that is 2021).
- The recipients should have performed original work of outstanding scientific quality in mathematical physics.
- Preference may be given to young mathematical physicists from developing countries. The awards will be presented at the ICMP in August, 2021 in Geneva.

A nomination should include a brief description of the achievements of the candidate that support the nomination, a CV, and a list of publications (or current links to that information online).

Please submit nominations to

Rajesh Gopakumar (secretary, rajesh.gopakumar@icts.res.in)

Alain Joye (vice-chair, alain.joye@univ-grenoble-alpes.fr)

Bruno Nachtergaele (chair, bxn@math.ucdavis.edu).

The deadline for nominations is September 30, 2020.

For further information, including past recipients, see

<https://iupap.org/commissions/c18-mathematical-physics/c18-awards/>.