

Commission C15: Atomic, Molecular and Optical Physics

Report (October 2017 – March 2018) to the IUPAP Council & Commission Chairs meeting

Submitted by Roberto Rivarola (Chair)

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C15 Activity:

The major activities from October 2017 to March 2018 are categorized into the following items.

1. IUPAP C15 Young Scientist Prize

The commission C15 runs the IUPAP Young Scientist Prize in Atomic, Molecular, and Optical (AMO) Physics. Since January 2018 we initiated the process of nomination of candidates to the Prize for this year. A call for nominations was announced in the webpage of IUPAP and distributed to all members of the Commission and to different scientific societies and academies all around the world. The call was also conveyed by individual scientists who offered to help in this sense. The deadline for nominations being fixed on March 31st, we shall start with the discussions for selecting the winner during April. Worth mentioning that this year the call of the C15-YSP received a great success since we ended with a total of 36 eligible candidates of very high level. The YSP will be awarded this year during the 26th International Conference on Atomic Physics that will be held in Barcelona (Spain) from July 22nd -27th.

2. Conference Support

The following conferences are supported by IUPAP in 2018:

Type- A conference:

The 26th International Conference on Atomic Physics (ICAP 2018)

Location: Barcelona, Spain

Date: 22nd – 27th July 2018

Local Chair: Maciej Lewenstein (The Institute of Photonic Sciences (ICFO), Spain)

Type- B conference:

The 19th International Conference on the Physics of Highly Charged Ions

Location: Lisboa, Portugal

Date: 3rd - 7th September 2018

Local Chair: José Paulo Santos (Universidade Nova de Lisboa, Portugal)

Future schedule:

The YSP prize has been awarded annually alternating between the two major“flagship” conferences of the AMO Physics field regularly supported by IUPAP, ICPEAC (International Conference on Photonic, Electronic, and Atomic Collisions) or ICAP (International Conference on Atomic Physics). This year, the C15 commission meeting and the winner’s talk of 2018 YSP are scheduled during the coming ICAP 2018 at Barcelona, Spain. Two spots in the conference programme have been fixed for these activities.

The winner will receive the medal and a certificate at the banquet on Wednesday 25th July 2018.

The commission meeting will be held on Thursday 26th July 2018, with the scope of exchanging opinions to encourage and stimulate future C15 activities. The Officers will explain the present activities including the funding situation of IUPAP, and a representative of ICAP will be invited to inform on how the IUPAP support was used for ICAP 2018.

We should also receive before June 2018, the application of ICPEAC 2019 for IUPAP support. This conference will be held in Deauville (France) from July 23rd to July 30th, 2019. It is of type A.

Applications of type B conferences for IUPAP support will be welcome.