

Commission C15: Atomic, Molecular and Optical Physics

Report (October 2015 – October 2016) to the IUPAP Council & Commission Chairs meeting

Submitted by Toshiyuki Azuma (Chair)

C15 officer:

Chair:

Toshiyuki Azuma
Atomic, Molecular & Optical Physics Laboratory, RIKEN, Hirosawa 2-1, Wako,
Saitama 351-0198, Japan
Email: toshi-yuki-azuma@riken.jp

Vice Chair:

Roberto Rivarola
Instituto de Física Rosario (IFIR), Oficina 205,
BV. 27 de Febrero 210 Bis Rosario Santa Fe 2000, Argentina
Email: rivarola@ifir-conicet.gov.ar

Secretary:

Dominique Vernhet,
Institut des NanoSciences de Paris, Université Pierre et Marie Curie – Paris 6
B84, 4 place Jussieu, 75252 Paris cedex 05, France
Email: dominique.vernhet@insp.jussieu.fr

C15 Activity:

The major activities from October 2015 to October 2016 are categorized into the following three items.

1. IUPAP C15 Young Scientist Prize

The commission C15 runs the IUPAP Young Scientist Prize in Atomic, Molecular, and Optical (AMO) Physics.

Dr. Yu-Ao Chen (University of Science and Technology of China, China) was selected as a 2016 C15 YSP winner after competitive ranking from 16 nominations.

The prize has been awarded annually alternating between the two major “flagship” conferences of the AMO Physics field regularly supported by IUPAP, ICPEAC (the International Conference on Photonic, Electronic, and Atomic Collisions) or ICAP (the International Conference on Atomic Physics). This year, the winner was invited to talk on 27 July 2016 at ICAP in Seoul, Korea, and received the medal and certificate at the banquet on 28 July 2016.

2. Conference Support

The following two conferences were supported by IUPAP in 2016.

The 25th International Conference on Atomic Physics (ICAP 2016)

Location: Seoul, Korea
Date: 24 - 29 July 2016
Conference Type: A

The 18th International Conference on Physics of Highly Charged Ions (HCI 2016)

Location: Kielce, Poland

Date: 11 - 16 September 2016

Conference Type: B

3. C15 Commission Meeting

The commission meeting was held on 28 July 2016 during ICAP 2016. The chair T. Azuma explained the present activities including the funding situation of IUPAP, and the member W. Jhe (co-chair of ICAP) explained the how the IUPAP support was used for ICAP2016. The committee exchanged opinions to encourage and stimulate future C15 activities.

Future schedule:

The C15 commission meeting and the winner's talk of 2017 YSP are scheduled during the coming ICPEAC 2017 at Cairns, Australia.

The 30th International Conference on Photonic, Electronic and Atomic Collisions (ICPEAC 2017)

<http://www.icpeac30.edu.au>

Location: Cairns, Australia

Date: 26 - 1 August 2016

Chair: Hossein Sadeghpour (Harvard Univ., US)

Local Chair: Anatoli Kheifets (Australian National Univ., Australia)

Conference Type: A (expected)