

Commission C15: Atomic, Molecular and Optical Physics

Report (May 2015 – September 2015) to the IUPAP Council & Commission Chairs meeting

Submitted by Toshiyuki Azuma (Chair)

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C15 Activity:

The major activities in 2015 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. Gretchen Katharine Campbell (Joint Quantum Institute, NIST, US) was selected as a 2015 C15 YSP winner after highly competitive ranking from 24 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 at 29th ICPEAC 2015 (22-28 July 2015 in Toledo, Spain). However, she was at maternity leave, and under medical care. The winner’s talk was officially prepared by a recorded video talk at NIST, and the video was presented afor the audience, and her delegate received the medal and certificate on 24 July 2015.

2. Conference Support

The following two conferences were supported by IUPAP in 2015.

The 29th International Conference on Photonic, Electronic and Atomic Collisions (ICPEAC 2015)

<http://www.icpeac2015.com>

Location: Toledo, Spain

Date: 22 - 28 July 2015

Chair: Roberto Rivarola (IFIR, Argentina)

Conference Type: A

The 22nd International Conference on Laser Spectroscopy (ICOLS 2015)

<http://icols2015.quantumlah.org>

Location: Sentosa Island in Singapore

Date: 28 June – 3 July 2015

Chair: Kai Dieckmann (National University of Singapore, Singapore)

3. C15 Commission Meeting

The commission meeting was held on 24 July 2015 during ICPEAC 2015. The officers explained the present activities including the funding situation of IUPAP. The committee members exchanged opinions to encourage and stimulate future C15 activities as well as possibilities to contribute to the working group.

Future schedule:

The C15 commission meeting and the winner's talk of 2016 YSP are now scheduled during the coming ICAP 2016 at Seoul, Korea.

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

Location: Seoul, Korea

Date: 24 - 29 July 2016

Conference Type: A (expected)