

## IUPAP C17 Activities 2008-2011

Prior to 2008 IUPAP C17 ( Quantum Electronics ) had become essentially inactive and, in particular, had not sponsored any conferences for a number of years. Since 2008 C17 has become active again and has sponsored a number of meetings.

A second aspect of the lack of activity within C17 is indicated by the fact that C17 has long held the dubious distinction of being one of only IUPAP Commissions which had never awarded a Young Scientist prize. It is with some relief that it is reported that in 2011 C17 will lose that distinction.

A protocol for awarding a Young Scientist Prize by C17 was developed in late 2010 and implemented during early 2011. Application of that protocol has led to the award of the inaugural C17 Young Scientist Prize.

A key requirement was the identification of a suitable prestigious conference at which the award could be made. With the assistance of Professor Deb Kane of Macquarie University, Sydney Australia, the C17 chair took advantage of conference attendance in Canberra, ACT, Australia in December 2010 to discuss with Professor Ken Baldwin of ANU, Canberra - the Chair of IQEC/CLEO Pacific Rim 2011 - the possibility of making the presentation at IQEC ( which will be held 28 August- 1 September 2011 in Sydney, Australia) . Specifically an opportunity was sought for the prize recipient to make an invited presentation at IQEC. This proposition has been accepted in principle and, subject to relevant committee approval, it is expected that such a presentation will be enabled.

The recipient of the inaugural C17 Young Scientists Prize is Professor Pavlos Lagoudakis of the School of Physics and Astronomy, University of Southampton . The prize citation is as follows : “For elucidation of exciton-polariton condensation, spin and lasing in semiconductor microcavities and of optoelectronics of colloidal nanoparticles with application to novel hybrid photovoltaic devices. “

The assistance of Williamina Lazaro with the pertinent arrangements – including providing the relevant medal for presentation – is gratefully acknowledged.

At the Chicago council meeting, C17 made a proposal that it be re-named with several options being considered : Quantum Electronics & Photonics or Laser Physics & Photonics or simply Photonics.. It is underlined that this change is seen as an important symbolic means for further developing the activities of the rejuvenated C17 .

**It is proposed** that the name **Laser Physics and Photonics** be adopted for C17. The approval of the IUPAP General Assembly for this change in name is sought

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