

C16 activity

### **Commission meeting 2015**

A C16 Commission meeting was held during the EPS meeting in Lisbon on 22<sup>nd</sup> of June. The members who were present discussed:

- the awards of the C16 Young Scientist Award (see below)
- the ICPP 2016 support
- the Commission meeting at the occasion of ICPP 2016

It also made some proposals for the way the Commission may use to select the IUPAP Young Scientist award.

### **C16 IUPAP Young Scientists Awards**

The C16 Commission awarded the 2015 C16 Awards to Drs. Livia Lancia (University of Rome La Sapienza, Italy) and Christian Theiler (Ecole Polytechnique Fédérale de Lausanne, Switzerland). The laudation of Dr. Lancia highlights her contribution to the physics of laser-plasma interaction “For experimental contributions to our understanding of laser-matter interaction phenomena, including Brillouin amplification of laser beams and magnetic fields self-generation in plasmas”. Dr. Theiler's work addressed a physics issue of importance for magnetic fusion, the physics of the plasma edge, as mentioned in his laudation : «For pioneering work on the physics of the edge of magnetically confined plasmas and its influence on fusion performance and on the interaction between the plasma and the surrounding material walls. The awards were given by the Vice Chair of the C16 Commission at the XXXIIth International Conference on Physics of Ionized Gases (Iasi, Romania, 26-31 July 2015). The two laureates also gave an invited talk at ICPIG.

### **EPS 2015 Student Poster Prizes**

The EPS Division of Plasma Physics and the IUPAP Plasma Physics Commission (C16) took the opportunity of the EPS-DPP annual conference in Portugal (Lisbon - June 22-26, 2015) to highlight the importance they grant to education. These two institutions co-sponsored the EPS2015 Student Poster Prizes awarded to M. Bailly-Grandvaux (CELIA, France) for “External magnetic field pinching effect on a relativistic electron beam in dense matter”, N. Bakharev (IOFFE, Russia) for “Modeling of the fast ion behavior in the Globus-M spherical tokamak”, S. Esponisa (PSFC-MIT, USA) for “Theoretical explanation for strong poloidal impurity asymmetry in tokamak pedestals” and L. Horvath (Budapest University of Technology and

Economics, Hungary) for “Fast changes in the mode structure of chirping energetic particle driven modes”. The selection was done by members of the Conference Program Committee, through a process managed by IoP.

Conference sponsorship: XXXIIth International Conference on Physics of Ionized Gases

The C16 IUPAP Commission has sponsored the XXXIIth International Conference on Physics of Ionized Gases (Iasi, Romania, 26-31 July 2015). A report on the conference was given by Prof. G. Popa (Cf. Annex).

### **Sponsorship of MIIFED 2016**

The Commission C16 has decided to sponsor the Monaco ITER International Fusion Energy Days 2015 (MIIFED, <http://www.miifed-ibf2016.com/>). It is foreseen that the Vice Chair of C16 will represent C16 and IUPAP at the meeting.

### **ICPP 2016**

The C16 Commission has decided to support the ICPP 2016 as the top priority. It is also proposed that the C16 Commission may meet at this occasion.

### **Membership of C16**

After the resignation of Dr. A. Hirose, the Executive Council has appointed Dr. Robert Fedosejevs of Canada as a new member of C16 and Dr. Sylvie Jacquemot of France as the new Secretary of C16 Commission.