

C16 Activities in 2020 and 2021

The activities of C16 was slowed down by COVID 19 in 2020 and 2021. Meetings of Commission in the fringe of Conferences were not possible: the usual meetings were either cancelled or postponed as virtual meeting.

The main activity was the selection of the Young Scientist Prize (YSP) of C16. The jury included all C16 members and Associate members and worked by exchange of e mails. As always the quality of the applications was recognized as extremely high by the whole jury. The 2020 prize was awarded to Dr. Joaquin Loizu

<https://iupap.org/who-we-are/internal-organization/commissions/c16-plasma-physics/c16-awards/>

The Prize for 2021 was awarded to Dr. Tatsuya Kobayashi for the National Institute for Fusion Science (Japan).

The Laudatio for both winners can be found in the web site.

C16 also sponsored jointly with PPCF, and EPS the student Poster Prize which is awarded during the EPS Plasma Physics Division meeting (Cf. <http://plasma.ciemat.es/eps/awards/poster-prizes/>). For 2021 the winners are:

- Diego Jose Cruz-Zabala, University of Seville (Spain):
“Characterization of edge poloidal impurity asymmetries at ASDEX Upgrade”
- Samuele Mazzi, Université Aix-Marseille & CEA/IRFM (France):
“Suppression of ion-scale turbulent transport by MeV-range fast ions at JET”
- John Ryan Peterson, Stanford University & SLAC (USA):
“Magnetic field amplification by a nonlinear pair-driven plasma instability”

- Paula Kleij, LSI, Ecole Polytechnique & CEA/IRAMIS (France): “Ultra-short electron bunches from tunable surface plasma wave excitation by laser with wavefront rotation”
- Vladislav Ivanov, Sofia University (Bulgaria): “Magnetically stabilized gliding arc discharge: a 2D model”
- Camilla Willim, IST (Portugam): ” Target Normal Sheath Acceleration with shaped lasers”

The International Congress for Plasma Physics (ICPP) sponsored by IUPAP , which was supposed to be held in 2020 and then postponed to 2021, will finally be held in 2022. The International Conference on Phenomena in Ionized Gases (ICPIG) also sponsored by IUPAP was postponed from 2021 to 2023, to keep the bi-annual sequence of this conference. As a consequence, both YSP prize winners did not have the opportunity to present their work at a major conference.

Members and Associate Members were fully associated with all consultation of IUPAP, in particular for the nomination of the new Commission.