

## **IUPAP C19 Astrophysics Activity report 2013.10 – 2014.10**

### 1) IUPAP Young Scientist Medal in the field of Astrophysics

The IUPAP Young Scientist Medal in the field of Astrophysics of 2013 was awarded to Alicia Soderberg (Harvard University, USA) for discovering of new classes of explosions in the Universe across the electromagnetic spectrum, including the first X-ray flare associated with a shock breakout in a supernovae (SN 2008D), and the first luminous radio emission from a supernova (SN 2009bb) which requires a substantial relativistic outflow powered by a central engine without an observed gamma-ray burst.

Dr. Alicia Soderberg has presented her work at the 27<sup>th</sup> Texas Symposium on Relativistic Astrophysics (December 8–13, 2013 in Dallas, USA), where the IUPAP Medal was handed.

### 2) IUPAP support of international conferences

The IUPAP supported 27<sup>th</sup> Texas Symposium on Relativistic Astrophysics took place in Dallas on 8–13 December, 2013. Vice-chair of C19 Victoria Kaspi and the associated member Virginia Trimble gave to participants of the symposium a short presentation of C19 aims and activities and invited to join IUPAP.

Four members of C19 served at the Scientific Organising Committee of the 27<sup>th</sup> Texas Symposium on Relativistic Astrophysics held in Dallas on 8–13 December, 2013 (Thanu Padmanabhan, Victoria Kaspi, Grazina Tautvaisiene and assoc. member Virginia Trimble). See <http://nsm.utdallas.edu/texas2013/>

There were no symposia selected for the IUPAP support in 2014.

C19 reviewed and decided to support 28<sup>th</sup> Texas Symposium on Relativistic Astrophysics to be held on 14–18 December, 2015 in Geneva.

3) Preparations have been started for the International Year of Light 2015 activities. Presently we collect ideas of possible activities and spread the information.

Prepared by  
Thanu Padmanabhan  
Grazina Tautvaisiene