Outstanding Paper Award for Young Scientists 2014

40th COSPAR Scientific Assembly
Moscow, Russia, 2 - 10 August 2014

COSPAR Scientific Commission A	**Benjamin S. Schwarz (UK)** *Coastal salinity measurement using a Doppler Radiometer* ASR 50/8 **Tamara Bandikova (Germany)** *Characteristics and accuracies of the GRACE inter-satellite pointing* ASR 50/1	
COSPAR Scientific Commission B	**J Flahaut (France)** *Identification and characterization of science-rich landing sites for lunar lander missions using integrated remote sensing observations* ASR 50/12 **Joseph Paul Cohen (USA)** *Crater detection via genetic search methods to reduce image features* In press	
COSPAR Scientific Commission C	**Alex T. Chartier (UK)** *A 12 year comparison of MIDAS and IRI 2007 ionospheric Total Electron Content* ASR 49/9 **Ewa Slominska (Poland)** *Mapping seasonal trends of electron temperature in the topside ionosphere based on*	

	DEMETER data ASR 52/1 **Caitano Luiz da Silva (Brazil)** *Consequences of the application of the streamer fluid model to the study of the sprite inception mechanism* ASR 51/10 **Hongru Chen (Japan)** *Storm-time atmospheric density modeling using neural networks and its application in orbit propagation* ASR 53/3 **Liming He (China)** *A nonlinear background removal method for seismo-ionospheric anomaly analysis under a complex solar activity scenario: A case study of the M9.0 Tohoku earthquake* ASR 50/2	
COSPAR Scientific Commission D	**R.D. Strauss (South Africa)** *Modelling and observing Jovian electron propagation times in the inner heliosphere* ASR 51/3	
COSPAR Scientific Commission E	**K. Abe (Japan)** *Time variations of cosmic-ray helium isotopes with BESS-Polar I* In press **Michele Perna (Italy)** *Reverberation time lags in the high luminosity quasar PG 1247+267* In press **Joey Neilsen (USA)** *The case for massive, evolving winds in black hole X-ray binaries*	

	ASR 52/4	
COSPAR Scientific Commission F	**Joanna Deperas-Standylo (Poland)** *Production and distribution of aberrations in resting or cycling human lymphocytes following Fe-ion or Cr-ion irradiation: Emphasis on single track effects* ASR 50/5 **L.F. Hu (China)** *Inhibitory effect of simulated microgravity on differentiating preosteoblasts* ASR 51/1	
Technical Panel on Satellite Dynamics (PSD)	**Carlos Javier Rodriguez-Solano (Germany)** *Adjustable box-wing model for solar radiation pressure impacting GPS satellites* ASR 49/7 & *Improving the orbits of GPS block IIA satellites during eclipse seasons* ASR 52/8 **Andrea Bolle (Italy)** *A hybrid, self-adjusting search algorithm for optimal space trajectory design* ASR 50/4 **Aaron J. Rosengren (USA)** *Long-term dynamics of high area-to-mass ratio objects in high-Earth orbit* ASR 52/8 **R. Sun (the Netherlands)** *Precise line-of-sight vector estimation based on an inter-satellite radio frequency system*	

	ASR 51/7	
Panel on Potentially Environmentally Detrimental Activities in Space (PEDAS)	**Charles Hubaux (Belgium)** *Influence of Earth's shadowing effects on space debris stability* ASR 51/1	
(PSB)	**Zewei Zheng (China)** *Trajectory tracking control for underactuated stratospheric airship* ASR 50/7 & *Global path following control for underactuated stratospheric airship* ASR 52/7	