Outstanding Paper Award for Young Scientists 2016

41st COSPAR Scientific Assembly
Istanbul, Turkey, 30 July - 7 August 2016

COSPAR Scientific Commission A	**Maulik Jain (Denmark)** *Sea Surface Height Determination in the Arctic using Cryosat-2 SAR data from primary peak empirical retrackers* ASR 55/1
COSPAR Scientific Commission B	**Jian Chen (China)** *Abundance and distribution of radioelements in lunar terranes: Results of Chang'E-1 gamma ray spectrometer data* ASR 57/3
	S.J. Zhang (China) *Martian electron density profiles retrieved from Mars Express dual- frequency radio occultation measurements* ASR 55/9
	Zhen Zhong (China) *Lunar geophysical parameters inversion based on gravity/ topography admittance and particle swarm optimization* ASR 54/4
COSPAR Scientific Commission C	**Yun Cheng (China)** *In situ measurement of atomic oxygen flux using a silver film sensor onboard "TianTuo 1" nano-satellite* ASR 57/1
	Maxim Klimenko (Russia) *The global morphology of the plasmaspheric electron content during Northern winter 2009 based on GPS/COSMIC observation and GSM TIP model results* ASR 55/8
	Alan Li (USA) *Mean thermospheric density estimation derived from satellite constellations* ASR 56/8

	Shican Qiu (China) *Temperature controlled icy dust reservoir of sodium: A possible mechanism for the formation of sporadic sodium layers* ASR 55/11
	Pothuraju Thirupathaiah (India) *An updated model of atomic oxygen redline dayglow emission* ASR 54/6
	Jie Zhu (China) *A new topside profiler based on Alouette/ISIS topside sounding* ASR 56/10
COSPAR Scientific Commission D	**Roelf Du Toit Strauss (South Africa)** *Where does the heliospheric modulation of galactic cosmic rays start?* ASR 53/7
COSPAR Scientific Commission E	**Tae Niita (Japan)** *A balloon experiment using CALET prototype (bCALET-2)* ASR 55/2
	Xichen Wang (China) *Navigation strategy with the spacecraft communications blackout for Mars entry* ASR 55/4
	Shangbin Yang (China) *Eruption of the magnetic flux rope in a quick decaying active region* ASR 55/6

COSPAR Scientific Commission F	**Arif Ali Chishti (Germany)** *Constitutive expression of tdTomato protein as a cytotoxicity and proliferation marker for space radiation biology* LSSR 4
	Mingyuan He (China) *Differential effects of p53 on bystander phenotypes induced by gamma ray and high LET heavy ion radiation* LSSR 1
COSPAR Scientific Commission G	**Craig Pitcher (United Kingdom)** *Analysis of drill head designs for dual-reciprocating drilling technique in planetary regoliths* ASR 56/8
Technical Panel on Satellite Dynamics (PSD)	**Gerardo Allende Alba (Germany)** *Robust and precise baseline determination of distributed spacecraft in LEO* ASR 57/1
	Alexandre Couhert (France) *Towards the 1 mm/y stability of the radial orbit error at regional scales* ASR 55/1
	Ann Dietrich (USA) *Ascent trajectories from the lunar far-side to Earth–Moon L2 halo orbits* ASR 56/11
	Xu Huang (China) *Optimal spacecraft formation establishment and reconfiguration propelled by the geomagnetic Lorentz force* ASR 54/11

	Yanghe Shen (China) *Solution to some limitations of frequency-entangled-based sensor applied in GRACE-like mission* ASR 57/3
	Dongke Wang (China) *Coordinated control of tethered space robot using mobile tether attachment point in approaching phase* ASR 54/6
	Zhanji Wei (China) *Modeling and analysis of a fly-wheel microvibration isolation system for spacecrafts* ASR 55/2
	Daniel R Wibben (USA) *Optimal sliding guidance algorithm for Mars powered descent phase* ASR 57/4
Panel on Potentially Environmentally Detrimental Activities in Space (PEDAS)	**Natalia Ortiz Gómez (UK)** *Earth's gravity gradient and eddy currents effects on the rotational dynamics of space debris objects: Envisat case study* ASR 56/3
	Lin Hou-Yuan (China) *Frequency analysis of the non-principal-axis rotation of uniaxial* *space debris in circular orbit subjected to gravity-gradient torque* ASR 57/5
	Aaron Jay Rosengren (USA) *The classical Laplace plane as a stable disposal orbit for geo-stationary satellites* ASR 53/8
Panel on Planetary Protection (PPP)	**Toshihiro Chujo (Japan)** *Mars impact probability analysis for the Hayabusa-2 NEO sample return mission* In press