

SpaceOps 2014 Post Conference Book Selections

The following list is a tentative selection of peer reviewed, high quality papers of special interest and educational value for the SpaceOps2014 Post Conference Book. This selection was made from of over 350 papers presented during the SpaceOps2014 Conference in Pasadena, Ca.

Pending on the approval by the authors, these papers will be printed and published in the SpaceOps/AIAA Conference book series by middle or late 2015.

The inserted links will allow access to a brief summary/abstract of the individual papers. Subscriptions for the book or other inquiries can be obtained via info@spaceops.org

	Topic	Title	Prime Author	Country of Author	Org of Author
1	CDMP	<u>Ready for Secure Software: Secure Software Engineering for Space Missions</u>	Daniel Fischer	Germany	ESA - Darmstadt
2	CDMP	<u>Open Source Software for Mission Operations - Technology, Licensing and Community</u>	Jay Trimble	USA	NASA Ames Research Center
3	CDMP	<u>Heterogeneous Wireless Mesh Network Technology Evaluation for Space Proximity and Surface Applications</u>	Michael Decristofaro	USA	NASA Johnson Space Center
4	CDMP	<u>EFAL: EDRS Feeder Link from Antarctic Latitudes - System Architecture and Operations Concept</u>	Sergei Bobrovskiy	Germany	DLR - Oberpfaffenhofen
5	CSIS	<u>Security Standards for Space-Terrestrial Internetworks: A Multi-Dimensional Approach to Securing Shared Circuits</u>	Ed Birrane	USA	Johns Hopkins University – Applied Physicals Lab
6	CSO	<u>Could a Subsonic Air-Launched RLV Enable a paradigm Shift in Space Operations?</u>	David Salt	Germany	Telespazio - Darmstadt
7	FSMC	<u>Flight-Ground Integration - The Future of Operability</u>	Dr. Christopher Grasso	USA	Blue Sun Enterprises Boulder, Colorado
8	FSMC	<u>Two Years of Operations of the ChemCam Instrument Onboard the Curiosity Rover at FIMOC, the French Operations Center for Mars Instruments</u>	Charles Yana	France	CNES – Toulouse
9	FSMC	<u>Highlights of the European Ground Systems - Common Core Initiative</u>	Mauro Pecchioli	Germany	ESA ESOC Darmstadt
10	GNC	<u>Drag-Free Attitude and Orbit Control System Performance of ESA's GOCE Mission during Low Orbit Operations and De-orbiting</u>	Carlo Enrico Ghisi	Germany	SERCO Services GmbH Darmstadt

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11	GNC	<u><i>A Framework for Integrated Modeling of Perturbations in Atmospheres for Conjunction Tracking (IMPACT)</i></u>	Dr. Josef Koller	USA	Los Alamos National Laboratory Los Alamos, NewMexico
12	GNC	<u><i>Advancing Navigation, Timing, and Science with the Deep Space Atomic Clock</i></u>	Todd Ely	USA	NASA - JPL
13	HSO	<u><i>Human Health/Human Factors Considerations in Trans-Lunar Space</i></u>	Cherice Moore	USA	NASA – Johnson Space Center
14	LBO	<u><i>Development of a Two-Stage Mars Ascent Vehicle Using In-Situ Propellant Production</i></u>	Laurel Paxton	USA	Princeton University, Princeton, New Jersey
15	MDM	<u><i>Venus Express: Lessons from 8 Years of Science Operations</i></u>	Donald Merritt	United Kingdom	Telespazio - Luton
16	MDM	<u><i>Space Weather Impacts on Spacecraft: The Road towards Operational Services</i></u>	Gareth Lawrence	Belgium	RHEA Systems Wavre
17	MDM	<u><i>Extending the Lifetime of ESA's X-ray Observatory XMM-Newton</i></u>	Marcus Kirsch	Germany	ESA ESOC Darmstadt
18	OCMSA	<u><i>File Based Operations - Architectures and the EUCLID Example</i></u>	Colin Haddow	Germany	ESA ESOC Darmstadt
19	OCMSA	<u><i>A Predictive Approach to Failure Estimation and Identification for Space Systems Operations</i></u>	Ivano Verzola	Germany	LSE Space GmbH Wessling
20	OCMSA	<u><i>The Cluster Mission after 13 Years - Operations Beyond its Design Limits</i></u>	Dr. Jürgen Volpp	Germany	ESA ESOC Darmstadt
21	OCMSA	<u><i>The End Of Life Operations Of The Herschel Space Telescope</i></u>	Micha Schmidt	Germany	ESA ESOC Darmstadt
22	PS	<u><i>Mission Planning Framework - Building the Rosetta and Bepi-Colombo Planning Systems</i></u>	Colin Haddow	Germany	ESA ESOC Darmstadt
23	PS	<u><i>The Incremental Planning System GSOC's Next Generation Mission Planning Framework</i></u>	Christoph Lenzen	Germany	DLR Oberpfaffenhofen
24	PS	<u><i>Scheduling as an Interoperability Service and its Security Aspects</i></u>	Marcin Gnat	Germany	DLR Oberpfaffenhofen
25	SSO	<u><i>Adapting a Large-Scale Multi-Mission Ground System for Low-Cost CubeSats</i></u>	William Quach	USA	NASA - JPL