



February 2014 SpaceOps Update

About the SpaceOps Update

Dear SpaceOps Participant:

You have received this issue of the SpaceOps Update e-newsletter because you have expressed interest in space operations as part of your AIAA membership, attended a past SpaceOps Conference, or requested to be added to the mailing list. The SpaceOps Update is published quarterly and contains information of interest to the space operations community. If you do not wish to receive this e-newsletter in the future, please email info@spaceops.org.

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For more information about the SpaceOps Organization, visit <http://www.spaceops.org> or e-mail info@spaceops.org or refer to our online *Journal for Space Operations & Communicator* at <http://opsjournal.org>.

Register for SpaceOps 2014!



Join your colleagues from around the world to "Explore Innovation" at the 13th International Conference on Space Operations, held 5-9 May 2014 in Pasadena, California. It's your opportunity to share your experiences,

challenges, and innovative solutions with colleagues from around the globe, and take home new ideas and new connections.

Hosted by NASA Jet Propulsion Laboratory and organized by the American Institute of Aeronautics and Astronautics (AIAA), SpaceOps 2014 will bring together the space operations community to address state-of-the-art operations principles, methods, and tools.

The program is now available online. Visit the SpaceOps 2014 website to view the sessions and speakers planned.

Excellent Opportunities for Exhibitors and Sponsors

SpaceOps 2014 offers first-class exhibition opportunities in the heart of the conference venue. The exhibit hall is the hub of activity during this event—from seeing exhibitor displays to attending special presentations, from enjoying networking breaks to staying in touch at the Cyber Café. The opportunities to meet your partners and clients and promote your services have never been better.

- Present state-of-the-art developments related to the conference theme
- Capture new business opportunities and potential business leads
- Branding, recruitment, and marketing opportunities
- Network with the most influential people in the space operations community
- Reach an international audience and expand company awareness

Sponsorship of SpaceOps 2014 provides your organization visibility and connections within the space operations community that can lead directly to business and partnership opportunities. Sponsors are offered attractive locations in the exhibition area as well as outstanding exposure at well-attended congress events or on printed material and gadgets. We invite you to make the most of the sponsorship opportunities by selecting the options that best suit your needs.

For more information about SpaceOps 2014 visit <http://www.spaceops2014.org>.

Plan to Participate in Improving Space Operations Workshop

The 20th Improving Space Operations Workshop will be held 9-10 May 2014 at the Sheraton Pasadena in Pasadena, California. This workshop is jointly sponsored by the American Institute of Aeronautics and Astronautics (AIAA), the AIAA Space Operations & Support Technical Committee (SOSTC), and the SpaceOps Organization.

The objectives of the workshop are to:

- Investigate the development, implementation, and operation of systems that support space-related activities.
- Focus on operations technologies associated with space operations infrastructure, including the Internet and other commercial technologies.
- Develop positions on operational issues needing AIAA input from a cross section of member expertise.
- Identify approaches and standards for making operations more affordable, more flexible, more productive, and safer.

The workshop will comprise two tracks and 3-4 plenary presentations. This year's tracks include:

- Track 1: Commercial Space Operations (Leader: [Dan King](#))

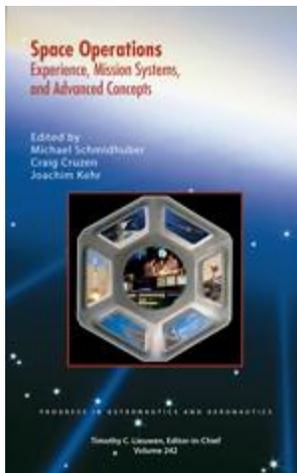
- Track 2: Spacecraft Anomaly Characterization and Trending (Leader: [William Ailor](#))

Presentations (no paper required) are solicited in each of the two tracks of the workshop. Each presentation should be of an educational nature and not a product or service advertisement. Please send a short paragraph describing the proposed topic(s) to the leader of the appropriate track by close of business on **28 March 2014** to propose a presentation.

This year's workshop will begin following SpaceOps 2014. A separate registration and fee is required for the workshop.

For information about registration and accommodations, download the [Workshop Flyer](#).
For information about the AIAA SOSTC, visit the [SOSTC website](#).

New SpaceOps Book Published



Space Operations: Experience, Mission Systems, and Advanced Concepts is a collection of materials presented at the 12th SpaceOps Conference, held in Stockholm, Sweden, in June 2012. From the almost 300 papers presented and discussed at the conference, those selected for this volume represent a cross section of three main subject areas: Mission Preparation and Management – mission design, development, and planning; Data and Communications – the infrastructure needed on the ground, from antennas to software, in order to communicate with and retrieve data from spaceborne resources; and Mission Execution – a focus on the aspects of specific space missions during preparation for flight and throughout operations. All of the selected papers exemplify the SpaceOps organization's goal of presenting and discussing the current state of space operations and the most recent developments in the field.

Previous SpaceOps books include:

Space Operations: Mission Management, Technologies, and Current Applications (2007) [More info](#)
Space Operations: Exploration, Scientific Utilization, and Technology Development (2011) [More info](#)

For more information about the newest SpaceOps book click [here](#).

Journal of Space Operations & Communicator

A multidisciplinary journal for space flight operations, the *Journal of Space Operations & Communicator* is jointly published by the Space Operations and Support Technical Committee within AIAA and the SpaceOps Organization. This publication is seeking submissions on all topic areas related to the operation of space missions, including their ground support. Representatives of agencies, academia, and industry are encouraged to submit their work.

Articles in current issue:

- SpaceOps News: January-March 2014
- The European Data Relay System
- 2013: Last Year's Poll Results Analysis
- Book Review: *SpaceOps 2012 Conference Book, Space Operations: Experience, Mission Systems, and Advanced Concepts*
- Book Review: *How Columbus Learnt to Fly*

The *Journal of Space Operations & Communicator* is now on Facebook! You are invited to join this unique, ever-growing international SpaceOps community for exchange of experience and new ideas.

For more information about the Communicator visit <http://opsjournal.org/>.

New and Improved SpaceOps Archive

The SpaceOps paper archive has moved to a new platform to provide more benefits to users. Features of the new archive include:

- Streamlined research capabilities, including searching and downloading citations
- Tracking citation of individual papers and receiving notice of new citations by RSS
- Marking articles, papers, and chapters as favorites for later review and download
- Listing of conference papers available by year
- Current papers available in PDF and PDF Plus formats (additional hyperlinking in the PDF Plus version)

Including papers going back to the SpaceOps 2002 Conference, the archive is a great resource for those working in the space operations community to aid you in solving issues and problems in your programs and projects. There is no charge to download SpaceOps papers.

To access the SpaceOps archive click [here](#).

Join the SpaceOps Organization

As the space operations community grows, we encourage your organization to join the SpaceOps Organization. The SpaceOps Organization has recently created a new membership category for industrial members and other interested organizations.

Participation in SpaceOps as a Partner or a Member will bring you close association with the agencies and partner organizations focusing on space operations, allow you to help determine the content of the biennial conferences, and help shape the future of the community.

Please forward this information to your colleagues and co-workers so that they too can stay on top of what is

happening in space operations!

To be added to the SpaceOps mailing list or for more information about becoming a Partner or a Member of the SpaceOps Organization, please email the SpaceOps Secretariat at info@spaceops.org. There are no membership fees.

For more information about the SpaceOps Organization visit <http://www.spaceops.org>.