

## Betty Guillie

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**From:** info@spaceops.org  
**Sent:** Wednesday, June 18, 2014 10:15 AM  
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**Subject:** June 2014 SpaceOps Update

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### June 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](mailto: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](mailto:info@spaceops.org) or refer to our online Journal for Space Operations & Communicator at <http://opsjournal.org>.

#### Summary of SpaceOps 2014



The biennial SpaceOps conference, which brought together space operators from around the world to discuss the current status of and future direction of space operations, concluded on 9 May 2014 at the Pasadena Convention Center in Pasadena, California. The event was a great success, attracting over 700 participants and featuring 28 exhibiting organizations.

SpaceOps 2014 was hosted by [NASA Jet Propulsion Laboratory](#) (JPL) and organized by the [American Institute of Aeronautics and](#)

[Astronautics](#) (AIAA). The conference was sponsored by [SANSA](#) and [ViaSat](#).

Addressing the theme “Explore Innovation”, the conference program consisted of plenary sessions and technical paper presentations on a range of space operations topics. The plenary panels addressed the Control Center of the Future, Smallsat Operations, and Commercial Space. Technical topics included:

- Mission Design and Management
- Operations Concepts, Methods, Systems, and Automation
- Flight System Monitor and Control
- Planning and Scheduling
- Guidance, Navigation, and Control
- Human Systems and Operations
- Communications, Data Management and Processing
- Cross-Support, Interoperability, and Standards
- Launcher, Rocket, and Balloon Operations
- Small Satellite Operations
- Commercial Space Operations

A total of 333 technical papers (selected from over 547 abstracts) were presented in 7 parallel sessions. In addition, there were 32 posters, mixed between traditional format and electronic posters.

The opening ceremony featured welcome remarks from Charles Elachi, Director, NASA JPL; William Gerstenmaier, Associate Administrator for Human Exploration and Operations, NASA Headquarters; and Sandy Magnus, Executive Director, AIAA. The highlight talks were presented by Jeff Norris, Manager, Mission Operations Innovation Office, NASA JPL, and Neville Page, Film and Television Creature and Concept Designer.

The closing session featured talks by Michael Moses, Vice President of Operations, Virgin Galactic; Yongseung Kim, Executive Director, Satellite Information Research Laboratory, Korea Aerospace Research Institute (KARI); and Eunsup Sim, KARI. KARI will host SpaceOps 2016 in Daejeon, Korea.

The conference included an awards dinner at the California Science Center. Gerhard Thiele, Head of the Strategy and Outreach Office, Directorate of Human Spaceflight and Operations, European Space Agency, gave the highlight talk during the dinner. The awards presented were:

- International SpaceOps Award for Outstanding Achievement: TerraSAR and TanDEM Mission Operations Team
- International SpaceOps Distinguished Service Medal: Genevieve Campan, CNES
- International SpaceOps Exceptional Achievement Medal: Manfred Warhaut, ESA (retired)

As in previous years, a post-conference book will be published by AIAA on behalf of the SpaceOps Organization. Entitled *Space Operations: Innovations, Inventions and Discoveries*, this book will comprise some 25 high-quality papers, selected for their relevance to current space operations missions as well as the innovative concepts and techniques they have identified. The entire compilation will be enhanced with current results and is scheduled to be published in mid-2015. Visit the [SpaceOps website](#) to learn about the SpaceOps books published to date.

See links below to access information from the conference:

[Conference papers](#)

[Conference photos](#)

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

## SpaceOps Launches Its New Website

The SpaceOps Organization is proud to announce the launch of its new website. With an exciting new look and improved navigation, this website is your source for information about space operations. Through the website, you can find out about upcoming conferences and workshops, access resources to expand your knowledge of space operations, learn how to nominate your colleagues for awards,

and much more.

Visit and bookmark the new website: <http://www.spaceops.org>

## 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.

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/>.

## 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](mailto:info@spaceops.org). There are no membership fees.

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

The American Institute of Aeronautics and Astronautics (AIAA) is the world's largest technical society dedicated to the global aerospace profession.



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