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## July 2015 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 email [info@spaceops.org](mailto:info@spaceops.org) or refer to our online Journal for Space Operations & Communicator at <http://opsjournal.org>.

### Don't Miss Out On SpaceOps 2016!



Visit SpaceOps 2016 now!

The [Call for Papers](#) is open for the [14th International Conference on Space Operations \(SpaceOps 2016\)](#). We invite you to submit an abstract for [SpaceOps 2016](#) today. The deadline to submit an [abstract](#) is 30 July 2015. This year's conference theme is "Expanding the Space Community." [SpaceOps 2016](#) fosters managerial and technical interchanges on all aspects of space mission operations. The conference will take place in the great city of Daejeon, Korea, on 16–20 May 2016, at the Daejeon Convention Center. Visit SpaceOps 2016 now!

Hosted and organized by the [Korea Aerospace Research Institute \(KARI\)](#), SpaceOps 2016 will bring together the space operations community to address state-of-the-art operations principles, methods, and tools.

For more information about SpaceOps 2016  
visit <http://www.spaceops2016.org>.

## SpaceOps Award Nominations Will Open in August

Nominations for the 2016 SpaceOps Awards will open in August. Please be thinking of possible candidates. Descriptions of the SpaceOps awards are below:

*International SpaceOps Lifetime Achievement Medal* (new award) - This award is presented to give unique recognition to an individual who has distinguished himself or herself in the field of space operations and support over an extended period of time. The recipient shall be an individual whose illustrious career and exceptional contributions were critical to the success of several space missions or who has made many significant contributions to the field of space operations.

*International SpaceOps Exceptional Achievement Medal* - This award is presented to give unique recognition to an individual who has distinguished himself or herself in the field of space operations and support. The recipient shall be an individual whose exceptional contributions were critical to the success of a space mission or who has achieved a significant contribution to the field of space operations.

*International SpaceOps Distinguished Service Medal* - This award is presented to give unique recognition to an individual who has distinguished himself or herself with service to the SpaceOps organization. The recipient shall be an individual who has shown exceptional dedication to the interests of the organization by making significant contributions over an extended period of time.

*International SpaceOps Award for Outstanding Achievement* - This award is presented for outstanding efforts in overcoming space operations and/or support challenges, and recognizes those teams whose exceptional contributions were critical to the success of one or more space missions.

The major areas of consideration for the award are:

- i. Critical to an anomaly recovery, crew rescue, or saving of a space mission.
- ii. Development of a new paradigm that has significant effect on the space operations field.
- iii. Instrumental in significantly reducing the cost of space operations.

## Summary of Recent Improving Space Operations Workshop

The AIAA Space Operations and Support Technical Committee (SOSTC) held its 21<sup>st</sup> Annual Improving Space Operations Workshop from 5-6 May 2015, at the Sheraton Pasadena in Pasadena, California. The theme of the workshop was "Game Changing Technologies and Strategies." The workshop attracted approximately 85 attendees and included four plenary talks within the two days. The workshop also included three tracks: Teaching Them to Reach for the Stars, Inspiring Future Operators; Avoiding Risk and Other Perils; and Exploring Space Using Game Changing Approaches. The plenary talks included:

- No Longer Earthlings: Going to work on other worlds — Dr. John Callas, Mars Exploration Rover Project Manager
- Evolving JFCC SPACE and JSpOC operations — Preparing for a busy future - Rear Admiral Brian B. Brown, Deputy Commander, Joint Functional Component Command for Space
- Affordable Space: A New Paradigm — Chet Richards, Richards

- Research
  - Space Weather and Space Operations: Significance and Risks — Dr. W. Kent Tobiska, President, Space Environment Technologies

Presentations are posted to the [AIAA SOSTC website](#).

**For more information about the AIAA Space Operations and Support Technical Committee click [here](#).**

### **[Summary of SpaceOps Workshop 2015](#)**

The SpaceOps Workshop 2015 took place in the Fucino Space Centre, Italy, 10-12 June 2015. Participating organizations included: ALTEC, APL, CNES, CSA, DLR, ESA-ESOC/ESRIN, EUMETSAT, NASA-GFSC/JPL/JSC, NOAA, RAL, SANSa, SOSTC, SSC, and Telespazio-VEGA. Presentations addressed the following topics: CubeSats, Big Data, and Advanced Technologies for Exploration. Presentations were given during the morning with open and interactive discussion taking place during the afternoon.

### **[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's Editor-in-Chief applied to be listed in the Thomson Reuters Master Journal List. The application has been accepted and the journal has been entered in an evaluation cycle over the next 3 issues (i.e., to be completed by the end of 2015). Quote: "Thomson Reuters is committed to providing comprehensive coverage of the world's most important and influential journals to meet its subscribers' current awareness and retrospective information retrieval needs."

SpaceOps Update Newsletter readers are encouraged to update the "SpaceOps Wikipedia" entry.

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/>.**

### **[SpaceOps Welcomes New Member](#)**



The SpaceOps Organization is pleased to welcome the Mohammed Bin Rashid Space Center (MBRSC) as a Committee-at-Large member. MBRSC is a Dubai Government initiative based in the city of Dubai in the United Arab Emirates. Their main line of business focuses on research and development in the area of outer space, manufacture and develop space systems, utilization of space assets and technology to serve humanity, and ground station services and support. The MBRSC Space Program consists of Earth Observation, Interplanetary Exploration, and CubeSat.

For more information about MBRSC, 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 coworkers 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>.

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