

# SpaceOps2012 Conference Book

New Release

## Space Operations: Experience, Mission Systems, and Advanced Concepts

After another successful Space Operations Conference, AIAA is pleased to announce that it will be publishing selected papers from the 2012 conference. *Space Operations: Experience, Mission Systems, and Advanced Concepts* will contain a selection of the 291 papers presented, featuring a cross section of three main subject areas: Mission Preparation and Management; Data and Communications; and Mission Execution.

*Space Operations: Experience, Mission Systems, and Advanced Concepts*

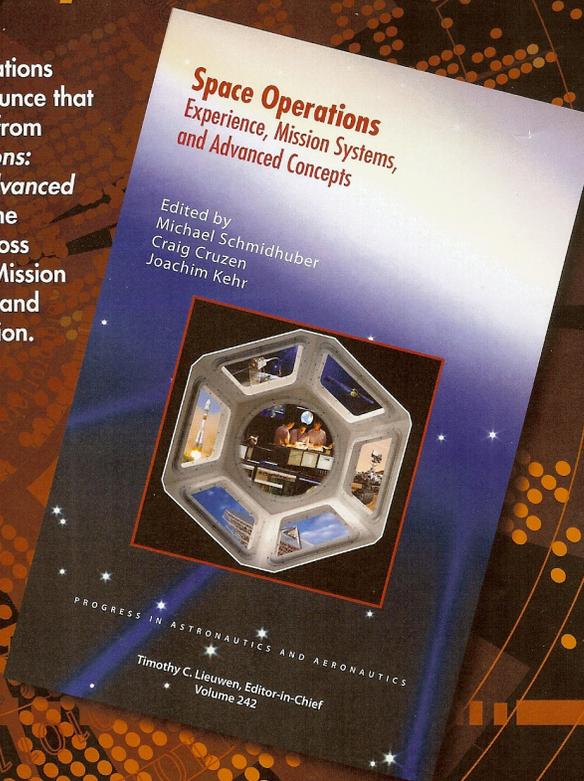
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AIAA Member Price: \$89.95



The SpaceOps Organization has been formed from this need to provide common approaches to system definition and to share the knowledge. Since 1990, this community has been addressing interested audiences from around the world for a bi-annual conference to discuss and present the current status and newest developments of the trade. At each conference no less than several hundred excellent papers and presentations are on display.

The latest book presents a compilation of 32 selected excellent and representative papers from the SpaceOps 2012 Conference. Each of these manuscripts compiled in the book is considered to be outstanding in its group of discussion topics. They are representing the three main topics: *Mission Preparation and Management*, *Data & Communications*, and *Mission Execution*.

*Mission Preparation and Management* handles the tasks of design, development and planning. It includes training aspects as well.

*Data and Communications* describes the infrastructure needed on ground, ranging from antennas to software in order to communicate with and retrieve data from the space borne resources. It also includes the latest standardizations efforts of systems.

*Mission Execution* focuses on aspects of specific space missions during preparations for flight throughout operations and final dispositioning.

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For the 2012 SpaceOps Conference more than 600 papers were submitted. They were grouped into eight categories or discussion "topics": *Mission Execution*, *Data and Communications System Facilities*, *Mission Design and Mission Management*, *Cross Support*, *Interoperability*, and *Standards*. Additionally, four relatively specialized topics were included: *Training & Knowledge Transfer*, *Commercial Space Operations*, *Launcher, Rockets & Balloon Operations*, and *University Space Operations*.

Following the precedence of the 2006 (Rome) and 2010 (Huntsville) SpaceOps Conferences, it was decided to publish a book of selected, representative papers from the 2012 conference in Stockholm. The motivation to take the effort of printing a traditional "hard cover" book in the age of "e-books" and electronic conference proceedings was similar to the rationale for sending a lander to the Moon, or rovers to Mars...to leave a lasting and physical presence of the conference and to conserve the knowledge for the future. In 2012, the most current information is available online, at click of a mouse, however the flood of information in an amorphous environment cannot compare with the impact of a prominent and thick book on your book-shelf.

With the careful selection of papers by the conference review team the reader gets a compact recommendation of the essence of the content presented at the conference. It is a reliable statement of the SpaceOps organization about issues relevant at the date of issue and the perceived outlook of spacecraft operations.

To order the book use the following links:

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