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TECHNICAL COMMITTEE

The Symposium is jointly organized by ESA and CNES in cooperation with AFRL, DLR, IAA and the Utah State University. The Symposium is hosted by SPACE-SI, the Slovenian Centre of excellence for Space Science and Technologies. The symposium is supported by AIAA, NRL, USAF, JAXA, and CSA.

Bernd Dachwald (Aachen University), Thom Davis (AFRL- Kirtland), Rachel Drummond (IASB), Laurent Dusseau (University of Montpellier), Vincent Dubourg (CNES), Jamie Esper (NASA GSFC), Didier Fussen (Institut D'Aeronomie Spatiale de Belgique) Piero Galeone (ESA), Eberhard Gill (Delft University), Flemming Hansen (DSRI), Keiichi Hirako (JAXA), Mike Hurley (NRL), Stanley Kennedy (AIAA), Johan Koehler (SNSB), Peter Klupar (NASA Ames), Philippe Landiech (CNES), Vaios Lappas (Surrey University), Bob Meurer (USU/AIAA), David Mimoun (Supaero), Shinichi Nakasuka (University of Tokyo), Darius Nikanpur (CSA), Kristof Ostir (University of Ljubljana), Pat Patterson (USU), Amanda Regan (ESA), Udo Renner (TUB), Tomaz Rodic (SPACE-SI), Aaron Rogers (APL), Hans-Peter Rösler (Stuttgart University), Rainer Sandau (IAA), Gurpartap Sandhoo (NRL), Constantinos Stavrinidis (ESA), Klaus Steinberg (DLR), Jerome Thierry (Arianespace), Alberto Tobias (ESA), N.V. Vighnesam (ISRO), Roger Walker (ESA).

HOSTED BY SI SPACE



The 4S SYMPOSIUM

*Small Satellites
Systems
and
Services*

CALL FOR PAPERS

Co-Sponsors



4 - 8 June 2012

Grand Hotel Bernardin Convention Centre
Portorož, Slovenija

SMALL SATELLITES SYSTEMS AND SERVICES - THE 4S SYMPOSIUM

ABOUT THE 4S SYMPOSIUM

In 2012 the Small Satellites Systems and Services Symposium (The 4S Symposium), will be celebrating its 20th anniversary. The maturity of the event is marked by the close cooperation with two other prominent Small Satellite conferences: The Symposium on Small Satellites for Earth Observation (IAA and DLR) and The Small Satellites Conference (AIAA and USU). The information synergies and idea exchange originating from these close links ensure high standard of contributions and a very wide attendance.

SMALL SATELLITES, BIG SYSTEMS

Managing the ever increasing complexity of our lives in a global village needs more complex systems. In the last decades developed nations have jointly used their resources to cope with events on a global scale. Any available resource which may produce data is exploited to provide faster and more complete information. The reliance on satellite data is of paramount importance to accomplish these tasks.

Small Satellites, even with a single payload, multiply the throughput of larger and distributed systems. Examples already exist: GPS occultations which complement temperature measurements coming from meteorological satellites, Automatic Identification Signal monitoring to aid maritime traffic services. New objectives can be achieved complementing larger systems with data acquired by Small Satellites.

The 4S Symposium of 2012 will address questions as:

- What are the synergies which could be established between Small Satellites and other systems that enhance the overall return?
- What are the technology developments needed to achieve such synergies?
- What are the lessons we can learn from recent experiences of small satellites complementing existing services ?

PROGRAMME

The special topic of 2012: *Small Satellites, Big Systems* will be addressed in a dedicated session. Contributions from missions where small satellites are part of a bigger system are highly welcome. Invited speakers will be selected to stimulate discussion and a debate on this specific topic.

The programme will address: Mission and System Analysis; Applications such as Earth Observation, Science, Telecommunication and Navigation; New Technologies at system, sub-system and component level. A special session will be dedicated to discuss problematic related to access to space of Small Satellites, as launchers, platform cross-compatibility, and debris mitigation policies.

CUBESAT WORKSHOP

Following the success of the last event, a parallel session and a workshop will be dedicated to CubeSats.

HARDWARE EXHIBIT AND POSTER SESSION

The Symposium will be complemented with a technical exhibit to display hardware and posters throughout the duration of the Symposium. The hardware exhibit and posters will be located in the foyer outside the session rooms in the area where the coffee breaks will be served and the poster sessions will also take place. Exhibitor representatives will be invited to attend the conference sessions.

VENUE

The Symposium will take place at the Bernardin Convention Centre in Portorož 'Port of Roses' in Slovenia. The Convention Centre is on the popular seaside promenade and immersed in Mediterranean aromas. Blossoming vegetation and the local hospitality will complement the work at the Symposium. As in the tradition of the 4S Symposium, the event will offer several networking opportunities in a unique and relaxed atmosphere.

Portorož offers a large variety of sightseeing opportunities, ranging from nearby medieval towns to the famous Italian town of Venice.

CLOSEST AIRPORT

Portorož is an hour drive from Trieste (IT) airport and 1.5 hours drive from Ljubljana (SL) airport. Transfers to and from these airports will be organised.

ABSTRACT SUBMISSION

Abstracts should be submitted via the Symposium web at:

<http://conferences.esa.int/>
(please select The 4S Symposium 2012)

Further information can be obtained from the ESA Conference Bureau (esa.conference.bureau@esa.int).

REGISTRATION AND HOTEL RESERVATION

The conference registration fee is €750 (excl. VAT). A reduced fee of €375 (excl. VAT) is available for students. Block bookings at special rates have been made at the Kempinsky Palace Hotel, located in the heart of Portorož, and the Hotel Metropole, located on the top of St. Lovrenc Hill (5 minutes outside the centre). Complimentary shuttle services from both hotels will be available to and from the convention centre during the Symposium.

CALENDAR OF EVENTS

Deadline for abstract submission	7 January, 2012
Deadline for hotel reservation	30 March 2012
Symposium dates	4 – 8 June, 2012

