



17th Ka and Broadband Communications

Navigation and Earth Observation Conference
a Conference jointly held with the Italian Space Agency (ASI)

October 3-5, 2011 - Palermo, Italy

Announcement and Call for Papers

SCOPE

In 1995 we held the first edition of this Conference for the purpose of publicizing the Ka Band satellites built by the Italian Space Agency, NASA and NASDA. Last year, at the opening of the 16th edition, we heard Giuliano Berretta, chairman of Eutelsat, say that the "dream is now a reality" with the KaSat launch. Yes, it is now a reality and one that is bringing new life to the communications satellite industry, the band that permits the **construction of satellites** with throughputs of 70 Gbps, that brings **high speed internet** beyond the reach of fiber, brings the **internet to airplanes** in the sky, and **broadband communications** to the battlefield. But **high-speed communications** is only one aspect of the **satellite industry**.

Satellite Navigation has become more significant in our everyday life, with more accurate systems being built, more direct flight control systems being explored, and more and more people using it to get to their destinations.

Finally, **Earth Observation** has increased its accuracy, has seen new ways to obtain data, is helping to better understand our environment, and is used to assist in assessing and containing damage caused by natural disasters.

In conclusion, **satellites** have become indispensable tools to maintain and advance our lifestyles, whether they are the multi-ton long life communications **giants** or the **small, single purpose, experimental satellites** often launched together with the large ones.

Our hope is that this Conference contributes to the advancement of the state of the art and publicizes the contributions of satellites to humanity.

To this end, we are soliciting papers in the following areas and, in the spirit of international cooperation, we invite the Space Agencies to join the Italian Space Agency in using this Conference to publicize their current accomplishments and future plans.

TELECOMMUNICATIONS

- Systems
- Applications
- Protocols
- Components
- Propagation

NAVIGATION

- Systems
- Applications
- Components

EARTH OBSERVATION

- Systems
- Applications
- Sensors

SPECIAL TOPICS

- Market assessment
- Risk mitigation
- Legal & Insurance issues

9TH BROADSKY WORKSHOP

The **9th BroadSky Workshop**, organized in cooperation with **NICT**, the National Institute of Information and Communications Technology of Japan, will be hosted by the Conference.

IMPORTANT DATES

Abstracts Due: **March 31, 2011**

Notification of Acceptance: **May 31, 2011**

Final Papers Due : **July 31, 2011**

ABSTRACT SUBMISSION

Authors are invited to submit one-page abstracts by **March 31, 2010**.

Abstracts must include the title, the authors' name, affiliation, full postal address, phone and fax numbers, e-mail address and indicate the lead author.

Abstracts should be submitted electronically following the instructions in the **Abstract & Paper Submission** section of the Conference web site, www.kaconf.org

Under the auspices of:



Organized by:



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October 3-5, 2011 - Palermo, Italy

LOCATION

The 17th Ka and Broadband Communications, Navigation and Earth Observation Conference will take place at the **Villa Igiea Hilton Hotel** (<http://www.amthotels.it/villaigiea/default.aspx>), Salita Belmonte 43, 90142 **Palermo**, Italy.

ORGANIZING AND PROGRAM COMMITTEES

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- Franco Marconicchio, Space Consultant, Italy
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Information: For further information please visit the web site at www.kaconf.org