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The 4th Advanced Satellite Mobile Systems conference is organized by the University of Bologna and the Institute for Communications and Navigation of DLR on behalf of the ISI (Integral SatCom Initiative) European Technology Platform and in cooperation with the Satellite Communications Network of Excellence (SatNEx).

Building on the previous successful ASMS events, this conference has now become a paramount opportunity for industry and research institutions to get the latest updates and to exchange information about recent advances and emerging technologies for mobile, broadband and broadcast satellite communication systems. Topics of interest include, but are not limited to:

Theory and Applications

- Networking and radio resource management
- Multiple access strategies
- Coding, modulation and synchronization schemes
- MIMO & diversity techniques
- Fading and interference mitigation techniques
- Antennas and user terminals technologies
- Propagation measurements and channel models
- On board processing
- Distortion countermeasures
- Operational experience with existing satellite systems
- Demonstrations and trials

Systems and Architectures

- Advanced satellite systems design
- Next generation mobile satellite systems
- Broadband satellite systems
- Multimedia mobile broadcasting
- Integration between satellite and terrestrial networks
- Integration between telecommunication and navigation systems
- High altitude platforms and satellite based airborne systems
- Ad-hoc and wireless sensor networks
- Satellite and deep space communications
- Navigation (GPS, Galileo, Glonass, terrestrial-based)
- Remote sensing, radar, and sonar
- Regulatory aspects and spectrum requirements
- Standardization and regulatory issues
- Business and market analysis of satellite communication systems

Special Sessions

Submission of proposals for special/panel sessions on hot topics should be submitted to asms08_organization@arces.unibo.it by **January 15, 2008**

Tutorials

Submission of proposals for Tutorials on fundamental topics should be submitted to asms08_tutorials@arces.unibo.it by **February 15, 2008**

Exhibitions

Live demonstrations and exhibition stands are welcome in the conference technical areas. Proposals should be submitted to asms08_organization@arces.unibo.it by **March 15, 2008**

Conference Venue

The conference will be held at the Hotel Savoia Regency in Bologna, Italy. Bologna, the hometown of Guglielmo Marconi, is the regional capital of Emilia Romagna, lying midway between Venice and Florence and at a close distance to Ferrari's headquarters in Maranello. Bologna preserves traces of its past culture and the imprinting of Italian medieval magnificence. World famous for its cuisine and its two towers Asinelli and Garisenda, Bologna is animated by a cosmopolitan culture nurtured by its University, founded in 1088 and oldest in the Western World, which gained the city its name of "Bologna la Dotta" (the learned town)

New Deadline

Important dates

Submission deadline: **1 March 2008**
Acceptance notice: **15 April 2008**
Final manuscript due: **15 June 2008**

The conference proceedings will appear on the IEEE Xplore

www.asms2008.org



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