

United Nations



Nations Unies

COSPAR/IAF SYMPOSIUM 2007

**USE OF THE EQUATORIAL ORBIT FOR SPACE  
SCIENCE AND APPLICATIONS:  
CHALLENGES AND OPPORTUNITIES**

**12-13 February 2007  
16:00**

Conference Room III, Building C, Vienna International Centre

The Symposium, co-sponsored and jointly organised by the Committee on Space Research (COSPAR) and the International Astronautical Federation (IAF), will explore the status of the use of the equatorial orbit for space science and space applications, its challenges and opportunities, mainly focusing on the use of the Low Equatorial Orbit (LEO), and activities of countries already using this orbit for their space applications.

**Important Notice**

Non-Delegates

In order to attend the Symposium, please register by submitting your name to the Office for Outer Space Affairs in advance and present this invitation together with an appropriate identification document at the entrance of the Vienna International Centre.

Co-ordination by the

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On the occasion of the 44<sup>th</sup> session of the Scientific and Technical Subcommittee of the United Nations Committee on the Peaceful Uses of Outer Space

**Monday, 12 February 2007**

**Chair**

Dr. Jean-Louis Fellous (COSPAR)

- 16:00 *Opening remarks by the Chair*
- 16:10 *The use of the equatorial orbit for telecommunications and navigation satellites*  
Speaker: Dr. Manfred Wittig, ESA/ESTEC, Directorate of Telecommunications and Navigations, The Netherlands
- 16:30 *Long-term, high-resolution observation of the extra-terrestrial solar output from 150 to 2500 nm*  
Speaker: Dr. Mark Weber, Institute of Environmental Physics, University of Bremen, Germany
- 16:50 *The CNES/ISRO joint project on low inclination orbit to observe the low latitude water cycle*  
Speaker: Dr. Jean-Louis Fellous, Earth Observation Coordination Service, ESA HQ, Paris, France
- 17:10 *GEO Occupancy Analyzer Tool (GOAT)*  
Speaker: Dr. Joaquin G. Restrepo M., Colombia's Ministry of Communications
- 17:30 *Discussion*
- 18:00 *Reception sponsored by COSPAR and IAF*

**Tuesday, 13 February 2007**

**Chair**

Dr. James V. Zimmerman (IAF)

- 16:00 *Opening remarks by the Chair*
- 16:10 *Use of the equatorial orbit for space science missions - the X-ray astronomy satellite BeppoSAX and the  $\gamma$ -ray astronomy satellite AGILE*  
Speaker: Dr. Paolo Giommi, Italian Space Agency (ASI), Italy
- 16:30 *Developing an equatorial Earth Observation satellite system*  
Speaker: Mr. Toto Marnanto Kadri, Public Relations and Space Cooperation Bureau, National Institute of Aeronautics and Space, Indonesia
- 16:50 *RazakSAT – high resolution imaging satellite for near equatorial orbit*  
Speaker: Dr. Ahmad Sabirin Arshad, Astronautic Technology Sdn Bhd, Malaysia
- 17:10 *Use of Equatorial orbit for Indian Satellite Navigation Programme*  
Speaker: Mr. D. Radhakrishnan, ISRO, India
- 17:30 *Discussion and summary of symposium*