

United Nations



Nations Unies

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.

**SYMPOSIUM TO STRENGTHEN THE
PARTNERSHIP WITH INDUSTRY**

**NURTURING THE DEVELOPMENT OF
SPACE TECHNOLOGY**

**Monday 8th February 2010
15:00 -18:00**

Conference Room M1, Building M, Vienna International Centre

Co-ordination by the

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On the occasion of the Forty-seventh session of the
Scientific and Technical Subcommittee of the United Nations
Committee on the Peaceful Uses of Outer Space

Nurturing the Development of Space Technology

Monday, 8 February 2010

The establishment of indigenous space industry capability is a complex process, typically requiring years of preparation, building on basic space science activities and on first experiences with space technologies and their applications. It also requires strong political will and commitment of the relevant policy and decision makers.

The use of space applications for social and economic development has steadily increased in recent years. Space-based assets such as telecommunication, Earth Observation and navigation satellites support a wide range of applications that are either fully operational today or that are at a stage where operationalization is imminent. In practice all countries today are users of space-based solutions.

Since the early 1980's several countries have joined the constellation of nations in developing capabilities in satellite and launcher technology. Countries that have previously been consumers of space technology are now interested in establishing basic capacities in space technology development. In many cases this desire has been partially guided by the fact that increasingly capable small satellites can be developed with an infrastructure and at a cost that is today also affordable to universities and smaller institutions. There have been recent examples where university-based small satellite projects have led to the establishment of small and medium-sized space enterprises that are now marketing their products on a commercial and world-wide basis. Such developments not only create new opportunities for international space cooperation but also contribute to further promoting the use of space technology and its applications.

The intent of the Symposium is to highlight some of the ways emerging space faring nations establish basic capacities for the development of space technology and the opportunities and challenges faced in that process. The symposium will address issues such as the status of space industries in these nations, their present role in the global market place and their future potential. Space industry representatives will share their experiences, including issues pertaining to cooperation and competition between established space industry actors and those that are just entering the market.

Chair

Mr. Ulrich Huth
Chairman of the
Scientific and Technical Subcommittee

- 15:00 **Opening remarks by the Chair**
- 15:15 **An International Comparison of Space Technology Nurturing**
Ms. Rachel Villain, Director, Space and Communications, Euroconsult
- 15:45 **Space technology development: Challenges and Opportunities**
Mr. Ahmad Sabirin Arshad, CEO Astronautic Technology (ATSB) Sdn Bhd
- 16:15 **Critical steps in Space Science and Technology Development**
Mr. Adigun Ade Abiodun, Adviser to the National Space Research and Development Agency (NASRDA), Nigeria
- 16:45 **Trend of Small EO Satellites and Their Applications**
Mr. Hyon Sock Chang, Vice President, Satrec Initiative (SI)
- 17:15 **Nurturing the development of Space Technology – The UNOOSA Perspective**
Ms. Mazlan Othman, Director of the United Nations Office for Outer Space Affairs (UNOOSA)
- 17:45 **Closing remarks**