

# **2<sup>nd</sup> INTERNATIONAL SPACE CONFERENCE (08-09 January 2015)**

## **CONFERENCE REPORT**

1. The 2<sup>nd</sup> International Space Conference was organized jointly by Amity University, Noida and Aryavarta Space Organization, Ahmedabad, on 08-09 January 2015 at Amity University Campus.
  
2. The Conference theme was : -
  - Space Science & Technology : Covering Space debris mitigation, Communication, Navigation, Astrophysics.
  - Space Law, Policy & Management : Covering Regional Space Policies, Space debris regulation, Legal issues related to Space exploration.
  - Life Science Issues in Space and Aeromedicine : Covering Biological issues and Human habitation Radiological & chemical effect.
  - Space Application & Climate change : Covering Remote Sensing and disaster monitoring, Mapping water and Agricultural resources.
  
3. The Conference was attended by : -
  - Registered Delegates from India and Abroad, (UK, USA, Nigeria, Sweden)
  - Guests/Invitees : Indian Science Academy, Institute of Defence Studies and Analyses, Defence Research and Development Organization, and Space Industry.

We had special delegates from : -

- UK Space Operations Coordination Centre
- Israel Embassy, New Delhi
- DL Tech Institute, Sweden

4. The Conference was sponsored by : -

- Defence Research & Development Organization
- Nanoland, Ahmedabad
- Unmanned Systems New Delhi, India

4.1 The conference had a knowledge Partner/Support from : -

- SPIDER (Space-based information for Disaster Risk Management & Emergency Response.
- I-SEC
- Indian Science Congress Association
- Xovian, Delhi

5. The inaugural function of the conference was attended by Senior Officials from Amity University and Aryavarta including Vice Chancellor, Chancellor Amity University, alongwith delegates, faculty members and students of different institutes. The inaugural Session, Chief Guest was 'Dr.V.K.Sarswat, Former Director General R&D and Scientific Advisor. In his inaugural speech Dr.V.K.Saraswat highlighted the Space application and areas of research and progress including scope of working on Space Law; rules & Regulation. Chancellor Amity University in his talk elaborated the efforts being made by Amity in the Space Science & Engineering and need to take it to higher level.

Dr.W.Selwamurthy, President Amity Science, Tech. & Innovation Foundation, gave the details about Amity endeavor in Space Science and current research area as well as Amity design of its Nanosatellite.

Dr.Rushi Ghadawala, gave presentation on Aryavarta Space Organization, its research areas and current thrust areas in space debris.

5.1 The Valedictory Ceremony on 9<sup>th</sup> January 2015, Chief Guest Dr.N.Prabhakar, Chief Controller R&D (System Analysis & Modelling), gave a plenary talk on ‘Space Situational Awareness’ highlighting many key areas and domain where Space Situation must be known. In his valedictory address, he asked researchers to be more informative and analytical about Space Segment.

5.2 The Plenary talks were organized as under :

- Dr.V.Ponraj (SA to Dr.A.P.J.Kalam) : Space and Solar Power
- Sqn.Ldr.D.Davenport, UK Space operation and coordination Center, Space Security & Situational Awareness
- Dr.N.Prabhakar, CC R&D ‘Space Situation at Awareness’.

6. Forty two papers were presented in the four session covering all the themes of space conference. Some of the leading research work was presented on topics as under :

- Space debris mitigation.
- Space and its biological effects
- Cube Satellite Tracking Antenna design
- Space Law

7. The Conference was closed by a report by Dr.Rushi Ghadawala, President, Aryavarta Space Organization and vote of thanks by Prof MS Prasad, Director, AISST.

Dr Rushi Ghadawala  
Chairman  
ISC : 2015

Prof MS Prasad  
Co-chairman  
ISC : 2015