



## **UKRI AESS activities**



**The UKRI relevant international activities are:**

- 1. The EuRAD conference, technically co-sponsored by AESS, held in Manchester, UK, 12 - 14 October 2011. This was part of the European Microwave Week. It attracted some 300 participants, in the main technical sessions as well as a number of workshops on the first day.**
- 2. Preparations are well advanced for the IET International Conference RADAR 2012, also technically co-sponsored by AESS, to be held in Glasgow, UK, 22-25 October 2012. This is part of the 5-year cycles of international radar conferences (USA, China, UK, France, Australia), that interleave with the RADARCON series that normally take place in the USA. The deadline for responses to the Call for Papers has just passed, and there were 329 draft papers submitted from over 30 countries. The program will include tutorials and a student paper prize.**

**Hugh Griffiths**

**The report includes:**

**1. 2013 IEEE Radar Conference (Ottawa-ON-Canada) committee meeting held on Feb. 2012. Along with regular preparation discussion, we are planning to bring URSI Triennial Open Symposium on Radio Propagation and Remote Sensing to be run in parallel with 2013 RadarCon.**

**2. Another development is that the AESS Student Chapter is formed at the University of Waterloo, ON, Canada. The proposal for student chapter was approved by the AESS and IEEE.**



## **INDIA AEISS activities**



**The report includes:**

- 1. We have planned a Summer School during June 2012 for the College Teachers.**
- 2. The Student Project contest for the year 2012 have been announced. We are expecting about 2000 submission in this from all over the India. A detailed programme with R10 is being worked out to have interactions with Industry and to approach The Industry at Home.**

**Ram Gupta**

# International Activities in China

**I have done many works as an International Director of IEEE AEISS last six months:**

**1. I took charge of the TPC Chair of the 2011 IEEE CIE International conference on Radar (Radar 2011) which was successfully held in Chengdu, China in Oct.24-27, 2011. There were more than 500 attendee from 22 countries. 482 papers were selected for presentation in 20 oral sessions and 4 poster sessions. Mark E Davis (VP Conference of AEISS ) and Hugh D Griffiths( VP Industry Relations of AEISS) attended the conference and gave the Keynote Speeches. 9 international experts were invited to give tutorial lectures, and some of them were supported by the Distinguished Lectures and Tutorials Program of IEEE AEISS.**



**2. I take charge of Chair of IEEE AEISS Beijing Chapter, and organized the International Workshop of Advanced Radar Technology in Xian, China. Prof. Hugh Griffith, Dr. Mark E. Davis, Dr. Victor C Chen, Prof. George T. Schmidt, Prof. Francois LE CHEVALIER and Prof. Marco Martorella were invited to go Xian and give lectures in Xidian University after Radar 2011 conference.**



## **International Activities in China**

- 3. IEEE AEISS Beijing Chapter co-sponsored for the International Conference on Electronics, Communications and Control (ICECC2011) which was successfully held in Ningbo, China in Sep. 9-11, 2011.**
- 4. As the international committee member of APSAR 2011 which was successfully held in Seoul, Korea in Sep.26-30, I organized lot of Chinese radar engineers to submitted papers and attend the conference. This was a strong support to the APSAR 2011.**

### **I am going to do some work next six months:**

- 1. The Radar society of CIE are going to organize a delegation to attend the the International Conference on Radar Systems which will be held in Glasgow, UK in Oct.22-25, 2012. I am doing some work for this action now.**
- 2. IEEE AEISS Beijing Chapter co-sponsor for the International Conference on Electronics, Communications and Control (ICECC2012) which will held in Zhoushan, China in Oct.16-18, 2012.**
- 3. IET, the Radar society of CIE and Beijing Institute of Technology will sponsor the IET International Radar Conference 2013 which will be held in Xian, China in Apr.14-16, 2013. I would do some work for the conference.**



# International Activities in Italy and Western Europe

The relevant international activities of the Space Systems Panel are:



1. related to the development of the ***first IEEE-AESS European Conference on Satellite Telecommunications [ESTEL Conference]***: *Advanced Integrated Services and Applications, Architectures and Devices* that will be held in Centro Congressi Fontana di Trevi, Rome, Italy on October 2-5, 2012.

Conference Record #: 19294.

Conference Chair is Dr. Giuliano Berretta (Eutelsat CEO of the Administrative Board and ESOA Chairman Emeritus). Please visit [www.estelconference.org](http://www.estelconference.org).

- **Antonio Tajani, Vice-President of the EC (European Commission)** granted the **EC Patronage** to the Conference, while ESA confirmed its role of **official promoter** of ESTEL Conference.
- **Carlo Des Dorides, the Executive Director of GSA (Galileo System Agency)**, granted the support of the Agency, organising and patronising a special session on Galileo system.

**Marina Ruggieri**



# International Activities in Italy and Western Europe



➤ ESTEL Conference is to host invited lecturers that are amongst the main authorities on satellite telecommunications, space and not all, such as **Vidal Ashkenazi, Ezio Biglieri, Hermann Schumacher, Enrico Del Re, Christian Schlegel, Erich Lutz, Bernard H. Fleury, Michael Devetsikiotis, Vasily V. Popovich, Nicolas Sklavos, Marco Chiani, Daniele Mortari, Silvano Pupolin, Stephen B. Johnson, Bryan Palaszewski, Alberto Ginesi, Giorgio Franceschetti, Philippe Noel and Pierangela Samarati.**

➤ These few names are just a sample amongst the several academic experts taking part to the event: **73 professionals confirmed their presence in the Technical Program Committee**, while Institutions and Area Associations have more than **40 members in the International Steering Committee**. More than **50 Companies and 73 Universities, Institutions, Organizations, Associations and Research Centers from all over the world registered to the ESTEL Conference so far.**

➤ ESTEL Conference Call for Papers gathered so far more than **132 abstracts**, and the number is still growing thanks to the technical and scientific invited contributions of Space Companies taking part to the Conference as sponsors or exhibitors.

➤ In addition to Papers presentations, exhibiting options, b2b meetings, special sessions, working groups, ESTEL Conference offers to the participants a new and original tool: **ESTEL Community**, a web portal through which it's possible to share pieces of information, documents, scientific and technical materials in the different Macro-Areas of which ESTEL is made up. The Community has the aim of **encouraging the exchange and sharing of ideas, and promoting contacts and exchanges amongst participants before and after the event**. This way ESTEL Community will be a useful instrument to support the workshops and create permanent experts network.

**Marina Ruggieri**





# AESS Workshop in Rome for a new Panel on Sustainability and Quality of Life







IEEE

# International Activities in Italy and Western Europe



3. The **first GOLD for GOLD event** was announced on December 12 2011 in Sala del Teatro at Villa Mondragone, Frascati (Rome) with two tutorials taken by GOLD AESS members for GOLD AESS people:

➤ **Sense & Avoid Systems: How to insert Unmanned Aircraft Vehicles into the General Air Traffic?**

taken by **Myriam Nouvel** from Radar and Warfare Technical Directorate of Thales Airborne Systems;

➤ **Smart ICT in Ambient Assisted Living Applications to Improve Quality of Life**

taken by **Susanna Spinsante**, Director of the ArieLAB.

You can read other information on **QeB, January 2012**.



**Marina Ruggieri**



# International Activities in Italy and Western Europe

4. Activities related to the co-chairing of Track 2 Space Missions, Systems and Architecture of the 2012 IEEE Aerospace Conference, that took place in Big Sky in March 2012.
5. Activities related to the role of Editor of Space Systems of the AES Transactions and for the Systems Magazine.
6. Organisation of training and thesis activities of students at the University of Roma Tor Vergata in the field of space systems.
7. Organisation of the IEEE AEISS Summer School ISACONAS in partnership with SpaceLand in Alassio (Riviera dei Fiori - Italy) on May 29 – June 1 2013.
8. The 9<sup>th</sup> edition of the Master Course in “Advanced Satellite and Communications Systems” is in progress at the University of Rome Tor Vergata.
9. The 6<sup>th</sup> edition of the on line Master Course in “Advanced Satellite Communications and Navigation Systems” organized by University of Rome Tor Vergata and Scuola IaD (Istruzione a Distanza) is in progress.
10. Activities related to projects, publications and teaching in the space system related topics.
11. Development and publication of several papers about space systems in conference proceedings (2012 Aerospace Conference, in particular) and journals.

**Marina Ruggieri**