



UKRI AESS activities



Hugh Griffiths



AESS Canada Activities



AESS Activities in East Europe and Russia

Yuri Abramovich



International Activities Italy and Western Europe



The relevant international activities in Italy and Western Europe have been strongly interleaved with those of the Space Systems Panel and they are:

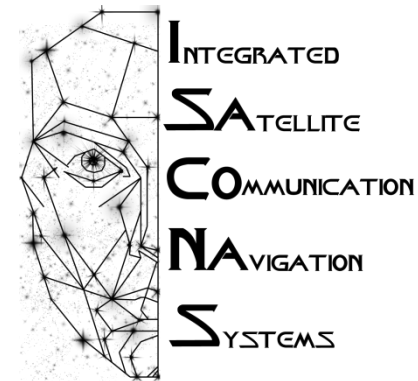
1. Activities related to the first IEEE AEISS European Conference on Satellite **TELE**communications (ESTEL), with the technical support of ESA (European Space Agency) and CTIF, that will take place in Rome, Italy on October 2-5, 2012. This Conference is financially sponsored by IEEE AEISS. (www.estelconference.org) Conference Record #: 19294.

- We have decided to postpone the second edition of the ESTEL Conference to February 2014 in order to organize for the first time a space conference in two different places: at ESRIN (European Space Agency) premises in Frascati (Rome) and at new ASI (Italian Space Agency) ones (6 kms from ESRIN site). The new ASI building has an auditorium of 700 people. Our idea is to host the first day of the event there and to move the sessions to ESRIN premises. After this BoG, we will decide the precise dates of the event (probably at February Second Quarter) with the support of both organizing secretaries of ASI and ESA.

➤ Activities related to the development and organisation of the second *IEEE AESS Summer Workshop on Integrated Satellite Communication and Navigation Systems (ISaCoNaS)*: “Advanced Services and Applications, Architectures and Terminals To improve Quality of Life” which was held in Nicotel Pineto in Castellaneta Marina, Apulia, Italy on July, 24-28 2014. Conference Record #: 19177. (<http://isaconas-workshop.uniroma2.it/>).

The course is focused on systems, technologies and relative services associated to Earth Observation and Earth Science Applications, Advanced Satellite Communications and Navigation, Swarm Intelligence and Advanced Modulation and Coding Techniques which can significantly improve the Quality of Life.

Sistemi Software Integrati (SSI in Taranto will host ISaCoNaS on Thursday 24 while on Friday 25 it will held in the *Italian Space Agency* (ASI), Matera.





International Activities Italy and Western Europe



- Activities related to the role of Editor of Space Systems of the AES Transactions and for the Systems Magazine.
- Organisation of training and thesis activities of students at the University of Roma Tor Vergata in the field of space systems.
- Activities related to the co-chairing of Track 2 Space Missions, Systems and Architecture of the 2013 IEEE Aerospace Conference that took place in Big Sky in March 2013.
- The 10th edition of the Master Course in “Advanced Satellite and Communications Systems” is in progress at the University of Rome Tor Vergata.
- The 7th edition of the on line Master Course in “Satellite Communications and Navigation Systems” organized by University of Rome Tor Vergata and Scuola IaD (Istruzione a Distanza) is in progress.
- Activities related to projects, publications and teaching in the space system related topics.
- Development and publication of several papers about space systems in conference proceedings and journals.



International Activities Italy and Western Europe



➤ In the scenario of *GOLD for GOLD activities*, we are contacting AEISS GOLD people to realise tutorials.

Susanna Spinsante (Department of Information Engineering-Marche Polytechnic University) provided a tutorial on *Home Automation Systems Control by Head Tracking in AAL Applications* during the **IEEE ESTEL Conference Session # 9: Tele Healthcare, Medical Applications & Information Systems, Smart Homes & Assisted Living, Mobile Technologies for Health care Applications** on Wednesday, October 03 2012: *Special Day on Smart Life Technologies.*

➤ Activities related to the IEEE AEISS liaison with 2014 ION PLANS Conference.



International Activities Italy and Western Europe



The M. Sc. Course in “Advanced Communication and Navigation Satellite Systems” organized by University of Rome ‘Tor Vergata’ foresees a project work, called the *“Internet of Things: Enabling Technologies and Smart Devices to improve the Quality of Life”*, in the frame of the AESS GOLD activities.

The Internet of things concept is based on the interaction of different independent systems through the Internet and can be considered as a **System of Systems Interconnected Through Internet**.

The project work concerns the realisation of **a smart integrated system including a smartphone and new secure low-power wireless standards** (DASH7, 6LoPAN, BLE) to support innovative and advanced applications in the fields of healthcare, fitness and homeland security. The project work will be fulfilled in about 10-12 months by nearly 20 students divided in 2 teams. Each team will be involved in one of the following two activities:

1. to develop a smart integrated system for healthcare applications (including e.g. a pulse oximeter, glucose and blood pressure monitoring, etc.).
2. to develop a smart integrated system for homeland security applications.



International Activities R9 and South America



CHAPTER NEW START-UPS AND CONFERENCES:

COLOMBIA

Mr. José Callejas David Cely, **Colombia IEEE Section Coordinator, Professional and Technical Activities**, responded to my Chapter creation:

You can send promotional material to our office AEISS IEEE in Bogota and we also gladly deliver to attendees activities in Medellín and other cities.

For these activities periodically we need promotional material. Judy immediately sent promotion material.

*May 22-24 “**Colcom2013**” <http://ieee-colcom.org/> to be held in Medellin

*October 8-11 “**ICCST2013**” in Medellin, Colombia, sponsored by IEEE-AEISS.

I contacted **Prof. Jesús Francisco Vargas Bonilla, ICCST Chair** offering my help to the conference Organization Committee.



International Activities R9 and South America



MEXICO

Requested for one member to become interim Chair pending election and present the Petition.

<http://www.ieee.org/portal/pages/tab/cha/newchap.html>

Luis Valtierra, Procurement and Operations Manager for Americas President of the Jalisco's Aerospace Council, replied:

*I am also a member of the IEEE; currently serve as Vice President of the CANIETI (National Chamber of the Electronics Industry, Telecommunications and information technology) Western Region, a position that inferred to be the Chairman of Aerospace Jalisco, responsible for developing the aerospace sector in the state of Jalisco. **Luis Armando Valtierra Gonzalez is serving as the Organizer of the Chapter as Interim Chair.***



International Activities R9 and South America



4/5/2013: I have just ratified for another 3 years as VP of Aerospace CANIETI what I inferred continue as Chairman of the Council of Jalisco Aerospace and equally to Javier was just appointed as VP of Education same CANIETI positioning us to promote AEISS membership.

Then I received a long string of emails in support of the Creation of chapters in Mexico, Guadalajara and Monterrey, from Universities, and comments to nominate Mr.Celso Gutiérrez Martínez de la SOCIEDAD MEXICANA DE CIENCIA Y TECNOLOGÍA AEROESPACIAL (SOMECYTA) to organize the AEISS MEXICO CHAPTER.

THE IEEE-AEISS MEXICO CHAPTER HAS 12 MEMBERS.



International Activities R9 and South America



OTTAWA, CANADA - Considerations

"The Arctic - The New Frontier" theme for RadarCon13 was chosen to foster an environment for scientific and operational exchange to enable those solutions

NOTE: I will try to relate the theme "The Arctic - The New Frontier" Projected to the "Antarctic White Continent" as apply to:

"THE FUTURE OF AEROSPACE IN THE YEAR 2020 AND BEYOND".

R1 NJ COAST SECTION Dr. Arshad Zarak, Chair, ATT&T Middletown, NJ asked me to salute wish that the RadarCon13 Conference Organizers a successful event in his name.

Paul Gartz Systems Engineer & Large-scale Systems Architect at Boeing speaker at the Annual Banquet June 6, 2013. (I will be there).



International Activities R9 and South America



ARGENTINA

BARILOCHE, ARG. 2013 and 2014

ARGENCON 2014, History and motivation

IEEE Argençon meeting is to be held in Argentina biannually. The history of the meetings of this section is rich and dates back to 1984. The purpose of the meeting is the Interaction Between scientists, technologists and industry in areas of interest of the IEEE Societies.

BOG MEETING INVITATION, 2014

Since AEISS Board of Governors meetings held may be in conjunction with IEEE Conferences, we propose that the future meeting for August / September 2014 be held at Argencon 2014 in "San Carlos de Bariloche" (Bariloche), Argentina.

Meeting the Board of Governors in Argentina will strengthen the IEEE Presence in the Country and Across the South America Region 9. We hope that the invitation is of interest.



International Activities R9 and South America



THE PLACE:

Bariloche is an inviting destination for its local beauty, scientific development and educational institutions for organizing an event of this importance.

http://www.welcomeargentina.com/bariloche/index_i.html

<http://www.cab.cnea.gov.ar>

<http://www.barilocheturismo.gob.ar>

2013 September 16-20 RPIC Bariloche

The event lasts five days, with the presence of about 300 participants. It is a national conference with international reach; we already have several confirmed speakers and researchers with neighboring countries, apart from the locals. **Radar will be central theme in this edition**, INVAP, sponsor.

They will like to have as a DL Professor Hugh Griffiths and Ing. Luis A. Riesco wants to collaborate.

Luis A. Riesco