

# Cosimo Stallo

## IEEE AESS GOLD Representative



**Cosimo Stallo graduated in Electronic Engineering specializing in Microelectronic Design at the Polytechnic of Bari (Italy) in 2005.**

**In 2006 he received a first class MSc Degree in “Advanced Communication and Navigation Satellite Systems” at Roma Tor Vergata University. In 2010 he completed his doctoral studies in Microelectronics and Telecommunications at Roma Tor Vergata University.**

**He is Assistant Professor at Department of Electronic and Mechatronic Engineering at Roma Tor Vergata University, where he teaches “Signal Processing and Power Electronics” and “Principles of Satellite Navigation”. Since 2011 he has been the coordinator of a MSc in “Satellite Systems for Navigation and Communication” at Scuola IaD (School for Distance Education), Roma Tor Vergata University.**

**His main fields of research concern terrestrial and satellite communications at Extremely High Frequency (EHF), design of payloads and subsystems for telecommunications at Q/V [35-75 GHz] and W [75-110 GHz] bands, satellite navigation, signal processing, mobile and multimedia networks and ICT for biotechnology and energy. He is author of about 45 papers on international journals/transactions and proceedings of international conferences.**

He has been Chair of the IEEE GOLD Italian Affinity Group since May 2007 and Chair of the Space Systems Technical Panel and of the IEEE AESS GOLD Affinity Group since February 2010.

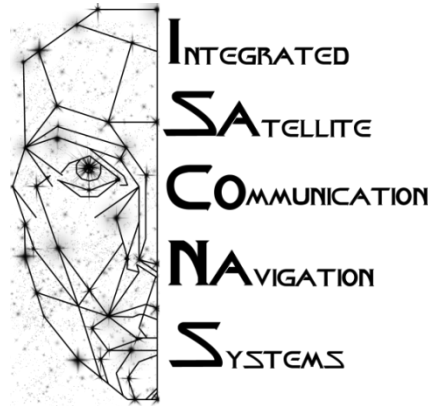
In 2011 he has been General Chair of the first IEEE AESS ISaCoNaS (Integrated Satellite Communication and Navigation Systems) Workshop held in Italy (Castellaneta Marina, ASI - Italian Space Agency, and SSI - Sistemi Software Integrati). He is the Technical Program Chair of the 2012 ESTEL (European Satellite Telecommunications) Conference in Rome and Chair of the Student Activities Committee of EnergyCon 2012 Conference - Towards User-centric Smart Systems – in Florence.

He has been TPC member of many IEEE conferences (SIBCON 2009, SIBCON 2011, 2010 IEEE GOLD Remote Sensing Conference, 2012 IEEE GOLD Remote Sensing Conference, VTC2010-Spring, SECRCRYPT 2012, ESTEL 2012, ISACONAS 2011).

Since October 2011 he has been Editor in Chief of IEEE AESS QEB and responsible for the IEEE AESS/ION PLANS Conference Liaison. He is also involved in the IEEE AESS Education Committee in the framework of GOLD activities for GOLD people.

# Outline

- **ISACONAS 2014**
- **ESTEL 2014**
- **GOLD for GOLD Lecturers**
- **IEEE AESS GOLD & Student Panel in 2014 IEEE Section Congress**
- **Special focus on GOLD and student activities in QeB Issue of July 2013**

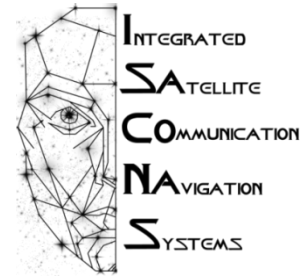


# 2014 IEEE AESS Summer Workshop on Integrated Satellite Communication and Navigation Systems (ISaCoNaS):

*“Advanced Services and Applications, Architectures and  
Terminals To improve Quality of Life”*

Conference Record #: 19177

# ISACONAS 2014



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/>).

This course will be 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.

# GOLD for GOLD Activities

➤ In the scenario of *GOLD for GOLD activities*, we are contacting AESS 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*.**

# IEEE AESS Student Project

▪ The M. Sc. Course in “Advanced Communication and Navigation Satellite Systems” organised by University of Rome ‘Tor Vergata’ is developing 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 project development requires 10-12 months and is carried out by nearly 10 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**.



# **A special Panel focused on Student and GOLD Activities during the IEEE Section Congress 2014**

**Amsterdam, Netherlands, at the Rai Convention  
Center, from 22 to 24 August 2014.**

**(I directly asked a strong support to IEEE GOLD  
Committee. In particular: Lisa Delventhal, Timothy Wong  
and Christine Eldridge).**

# Other IEEE AESS Student Activities

## IEEE Dayton Section

### First Annual Student Summit: Digitally Enhanced Images

Keigo Hirakawa (University of Dayton)

When: Wednesday, October 26th 2012 6:45-8 PM

Where: University of Dayton Art Street Studio Room D

## AESS Ottawa Chapter

### ➤ Aircraft Avionics Equipage for FAA Next-Gen Flight Control System

Ron T. Ogan

The Crowsnest, Naval Officer's Mess - 78 Lisgar St., Ottawa

Tuesday 7th May 2013 - 7.30 pm - 9.30 pm

### ➤ The O3b SatCom System : Connecting to the other Three Billion

Neville Miller, PEng

The Crowsnest, Naval Officer's Mess - 78 Lisgar St., Ottawa

# Other IEEE AESS Student Activities

- **IEEE VTS & AESS Joint Greece Chapter Charity to the SOS Children's Villages in Celebration of the IEEE Day 2012**
- **In celebration of the IEEE Day on the October 2nd, 2012, the Committee of the IEEE VTS & AESS Joint Greece Chapter visited the SOS Children's Villages of Plagiari, Thessaloniki, Greece (<http://www.sos-villages.gr/page/english>).**
- **They offered a pc with a monitor, a full encyclopedia, and school material to the children hosted in the Village. The children and the Village officers accepted the charity with great joy.**

# Thank you!!!!!!