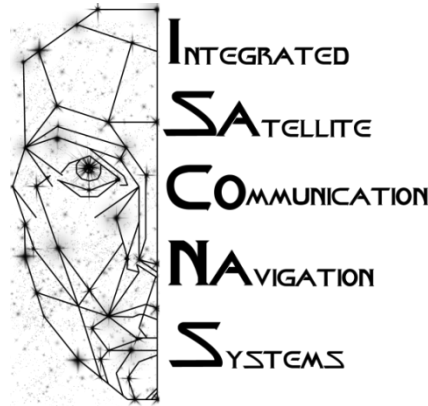


Cosimo Stallo

**IEEE AESS Graduate Student and GOLD
Representative**

Outline

- **ISACONAS 2013- 2° edition**
- **GOLD for GOLD Activities**
- **IEEE AESS GOLD & Student Congress Proposal**

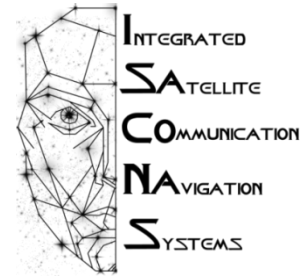


2013 IEEE AESS Summer Workshop on
Integrated Satellite Communication
and Navigation Systems (ISaCoNaS):

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

Conference Record #: 19177

ISACONAS 2013



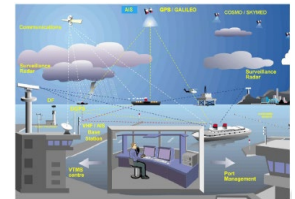
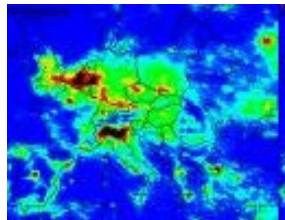
Activities related to the development and organization of the second *IEEE AESS Summer Workshop on Integrated Satellite Communication and Navigation Systems (ISaCoNaS)*: “*Advanced Services and Applications, Architectures and Terminals To improve Quality of Life*” which will be held in *Nicotel Pineto* in Castellaneta Marina, Puglia, Italy on July, 25-28 2013. 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 25 while on Friday 26 it will held in the *Italian Space Agency* (ASI), Matera.

SAT TLC, NAV, EO

Swarm Intelligence



Advanced Service and Applications to improve Quality of Life



ISACONAS 2011





GOLD for GOLD Activities

➤ Among *GOLD for GOLD activities*, we are working to find AESS GOLD people for tutorials. Among them, *Susanna Spinsante* (Department of Information Engineering-Marche Polytechnic University) has already given her availability to provide a tutorial on *Home Automation Systems Control by Head Tracking in AAL Applications*. It will be held on the ***Special Day on Smart Life Technologies*** (Wednesday, October 03 2012) during the **IEEE ESTEL Conference Session # 9: Tele Healthcare, Medical Applications & Information Systems, Smart Homes & Assisted Living, Mobile Technologies for Health care Applications**.

IEEE AESS Student Project

▪ The M. Sc. Course in “Advanced Communication and Navigation Satellite Systems” organised 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 (e.g. sensors and actuators) through the Internet and can be considered as a “System of Systems Interconnected Through Internet”.

▪ The goal of the project work is to build a **smart integrated system including a smartphone and new secure low-power wireless standards** (as DASH7, 6LoPAN, BLE) to support innovative applications in the fields of healthcare, fitness and homeland security.

IEEE AESS Student Project

Two groups of 10 students each will be working for nearly one year at the development of both

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

- The project involves many **fields of interest of IEEE AESS.**
- We are confident that the experience will teach students the most significant concepts and techniques useful to better understand the crucial role of the systems integration during their future work in industries and public institutions.

IEEE AESS Student and GOLD Congress ?

**To have AESS GOLD and Student people from
all over the World join us
and so widen AESS Community**

R8 GOLD Congress is a successful event!

Where???? (probably an American University)

When??? (maybe 2014)

We are invited to submit proposals by October, 15, 2012

Thank you!!!!!!