

# 2-5 October 2012



## Integrated Satellite Systems and Emerging Technologies

Rome - Fontana di Trevi Conference Centre

Under the patronage of Mr Antonio Tajani, Member of the European Commission



Promoted by:



Partners:

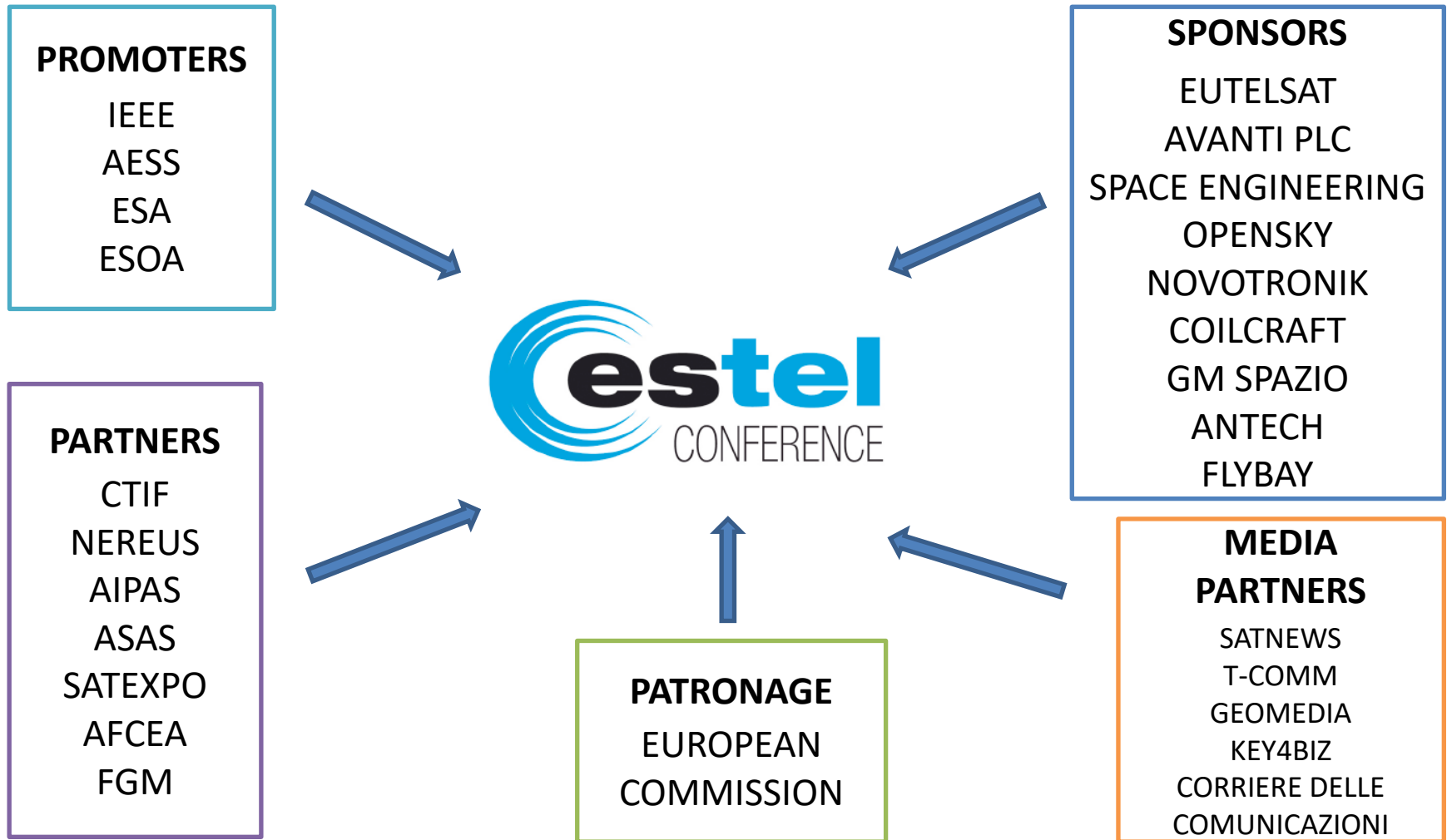


# Promoters

## Besides IEEE and AESS:

- **ESA** – European Space Agency which confirmed its role of PROMOTER from March the 23rd 2012
- **ESOA** – European Satellite Operators Association
- In order to consolidate **the participation of ESA within** ESTEL Conference, a series of meetings are planned with:
  - **ESRIN**: Volker Liebig (Head of ESRIN), Simonetta Cheli (Head of Coordination Office, Directorate of Earth Observation Programmes) and Fulvio Drigani (Director of Communication)
  - **Telecom ESTEC**: Margherita Buoso (Coordinator of Communications. ESA Directorate of Industrial Matters and Technology Programmes)
- Synergy actions are being taken with **ASI** (Italian Space Agency) in order to avoid overlappings with **IAC** Conference

# ESTEL Conference network to this date

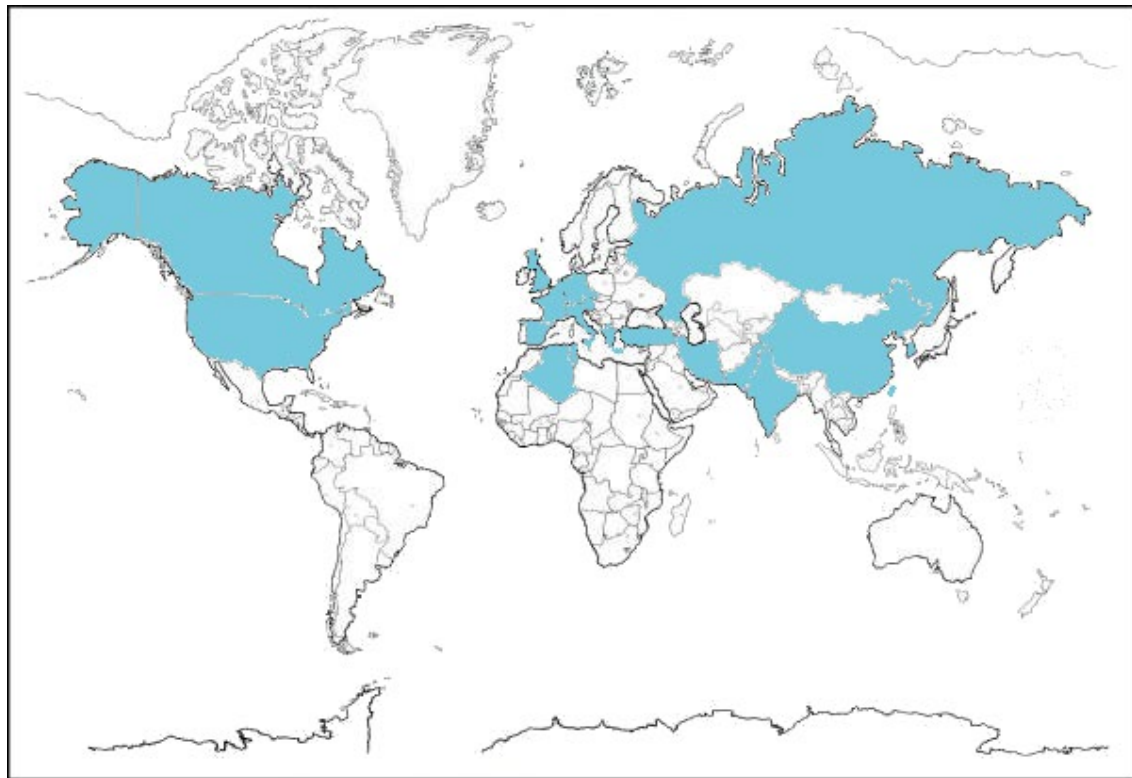


# International attendance

133 Papers have been submitted so far from 25 different countries:

Algeria  
Austria  
Belgium  
Canada  
China  
Cyprus  
Korea  
France  
Germany  
Great Britain  
Greece  
India  
Iran

Israel  
Italy  
Holland  
Pakistan  
Czech  
Republic  
Russia  
Spain  
Taiwan  
Tunisia  
Turkey  
USA



# Organizations, Research Centers and Universities

**The following 116 Organizations, Research Centers and Universities have applied:**

Agence Spatiale Algérienne, Agenzia per la Promozione delle Ricerca Europea (APRE), Air Force-The Aerospace Corporation, Arak Azad University, Athens University, Bureauveritas (Rome), Bhagwant Institute of Technology, Chonbuk National University, CIRA (Italian Aerospace Research Centre), Cryptolab, DGAC, DLR, ESA, ESTEC, ETSE University of Valencia, FAICO (Centro de Innovación y Tecnología), Frederick University (Republic of Cyprus), Gazi Universitesi Teknopark, GEEWHEZ Consortium, Heinz Nixdorf Institute, Ilmenau University of Technology, Indian Institute of Technology Guwahati, International Centre for Theoretical Physics (ICTP), ISAE (Institut Supérieur de l'Aéronautique et de l'Espace), IST Islamabad, Istituto Superiore Mario Boella, IST Klawad, ISU Strasbourg, Italian Space Agency, McMaster University, Ministero Italiano della Difesa, Munich University of the German Bundeswehr, NASA, National Key Laboratory of Science and Technology (China), National Pingtung University of Science and Technology (Taiwan), National Space Organization (Taiwan), National University of Sciences and Technology (NUST - Pakistan), Politecnico di Torino, Politecnico di Milano, Rasoni College Of Engineering, RWTH Aachen University, SUPARCO, SUPELEC, Technische Universität Darmstadt, ToscanaSpazio, TU Dortmund University, Universidad Miguel Hernández de Elche, Università di Bologna, Università Federico II Napoli, University of Pireus, Università Politecnica delle Marche, Università Tor Vergata, University of Waterloo, Université Libre de Bruxelles, University of Aberdeen, University of Bologna, Universidad Carlos III de Madrid, University of Defence (Czech Republic), University Lille Nord de France, University of Manchester, University of Miami, University of Pisa, University of Rome "La Sapienza", University of San Diego, University of Trento, University of Salzburg, University of Sfax (Tunisia), University of Toulouse, University of Udine, Urals State Technical University

# Participating companies

The following 58 companies have submitted their Papers and participation to the Technical Committee:

<b>Almaviva</b>	<b>GM Spazio</b>	<b>Sistemi Software Integrati</b>
<b>Ansaldo STS</b>	<b>Hellas Sat</b>	<b>Sitael</b>
<b>Analytical Graphics</b>	<b>IMST Gmbh</b>	<b>Space Engineering Spa</b>
<b>Antech</b>	<b>Intecs</b>	<b>Space Hellas</b>
<b>Astrium SAS</b>	<b>Matematici Srl</b>	<b>Telecom France</b>
<b>Avanti Communications</b>	<b>MBI</b>	<b>Thales Alenia France</b>
<b>AVIO</b>	<b>Microsoft Innovation Center</b>	<b>Thales Alenia Spagna</b>
<b>AvMap</b>	<b>Torino</b>	<b>Technovation Solutions</b>
<b>Basilicata Soccorso</b>	<b>MITEQ Inc</b>	<b>Teleinformatica e Sistemi</b>
<b>BMT Group</b>	<b>NITEL</b>	<b>Tiergarten Nuremberg</b>
<b>Calearo Antenne</b>	<b>Nottingham Scientific Ltd</b>	<b>Tower Semiconductor</b>
<b>Coilcraft</b>	<b>Novotronik</b>	<b>Turksat</b>
<b>COM DEV</b>	<b>Oakridge Technology</b>	<b>Vitrociset</b>
<b>EADS Astrium</b>	<b>Oberon Telecom</b>	<b>T-Connect</b>
<b>ELV spa</b>	<b>Pentos</b>	<b>Wiser Srl</b>
<b>Eumetsat</b>	<b>RadioLabs Consortium</b>	<b>ZooBotanico Jerez</b>
<b>Eutelsat</b>	<b>RedCat Devices</b>	<b>Zoomarine</b>
<b>Flyby</b>	<b>Rheinmetal Italia</b>	
<b>Gamma Solution</b>	<b>RFI</b>	
<b>GM Spazio</b>	<b>Selex Sistemi Integrati</b>	

# Potential additional sponsors

- Feedback is expected from the following companies:

**Almaviva**

**Arianespace**

**Astra**

**D'Apollonia**

**DeSK**

**Distretto Campania**

**Distretto Lombardia**

**Distretto Piemonte**

**Distretto Lazio**

**DLR**

**ESRI Italia**

**Hughes**

**IBM**

**Inmarsat**

**Intelsat**

**Kell**

**Mansat Ltd**

**Mc Afee**

**O3B**

**OHB System**

**Polo Aereospaziale dell'Umbria**

**Polo Aereospaziale Pugliese**

**Polo di Innovazione Toscano**

**Resi Informatica**

**Selex Galileo**

**Sematron**

**Setel**

**Telespazio**

**Telecom Italia**

**Telesal**

**Thales Alenia Space**

**CIRA**

**Value Up**

**Viasat**

# Program

- The outline program is visible at the following link  
<http://www.estelconference.org/program-outline/>
- **The following Special Sessions have been confirmed:**
  - a) **Security and Criptography** – Prof. Pierangela Samarati (Polytechnic of Milan)
  - b) **Maritime Telemedicine: the third millennium's health care** – prof. Sergio Pillon (dir. Centro Italiano Radiomedico)
  - c) **Satellite navigation systems, the role of Galileo and EGNOS applications, the expected benefits for Europe** – dott. Gian Gherardo Calini (GSA Head of the Market Development Department)
  - d) **Scientific experimentation through TDP#5 payload** - ASI – Tor Vergata University
- **The following Invited Lecturers have been confirmed :**

Vidal Ashkenazi, Ezio Biglieri, Marco Chiani, Eduardo Cucuzza, Maria Gabriella Di Benedetto, Enrico Del Re, Christian Schlegel, Erich Lutz, Bernard H. Fleury, Giorgio Franceschetti, Michael Devetsikiotis, Vasily V. Popovich, Nicolas Sklavos, Marco Chiani, Daniele Mortari, Philippe Noel, Silvano Pupolin, Stephen B. Johnson, Bryan Palaszewski, Sergio Pillon, Alberto Ginesi, Pierangela Samarati, Hermann Schumacher.



# Logistics

- Various agreements are in force with the best surrounding hotels (all at walking distance from the Fontana Trevi Conference Centre):

HOTEL ROME GARDEN\*\*\*  
HOTEL GALLES \*\*\*  
HOTEL PRINCE GALLES \*\*\*  
HOTEL QUATTRO FONTANE\*\*\*  
HOTEL TREVI\*\*\*  
HOTEL HOMS \*\*\*\*S



- We are in contact with the speakers for travel and accommodation arrangements

# Committees

## **GENERAL CHAIR**

Giuliano Berretta (Eutelsat Honorary Chairman and ESOA Chairman Emeritus)

**INTERNATIONAL STEERING COMMITTEE**: 45 members see list at <http://www.estelconference.org/committies/>

**TECHNICAL PROGRAM COMMITTEE**: 71 members see list at <http://www.estelconference.org/committies/>

Technical Program Chair – Ramjee Prasad (CTIF Director)

Technical Program Vice-Chair – Marina Ruggieri (University of Tor Vergata)

## **ORGANIZING LOCAL COMMITTEE**

Aarti Holla- Maini ( ESOA Secretary General)

Ilaria Pivato (Promospace Manager)

Aldo L'Imperio (Pentastudio – Eutelsat Italia, Counsellor)

Judy Scharmann (IEEE AESS Executive Assistant)

Ron Ogan (IEEE AESS BoG, Chapter Coordinator)

Cosimo Stallo (IEEE AESS GOLD Chair)

Alexander Kocian (University of Rome “Tor Vergata”)

## **PUBLICITY COMMITTEE**

Fulvio Sansone ( ESOA Senior Advisor)

Ilaria Pivato (Promospace Manager)

Aldo L'Imperio (Pentastudio – Eutelsat Italia, counsellor)

Judy Scharmann (IEEE AESS Executive Assistant)

## **FINANCIAL COMMITTEE**

Cosimo Stallo (Treasurer)

# Patronages

## **Confirmed:**

European Commission (Mr Antonio Tajani)

## **Requested:**

Presidency of the Italian Republic

Ministry of Economic Development

TELEDIFE –Directorate General of Telecommunications, IT and Advanced Technologies

Italian Ministry of Public Administration

Italian Ministry of Infrastructure and Transportation

Italian Ministry of Education

Lazio Region

Province of Roma

City of Roma

# The Institutions

The following institutions are cooperating with us:

## European Commission

Antonio Tajani, Vice President of the European Commission, Responsible for Industry and Entrepreneurship.

## GSA

Carlo Des Dorides, Responsible for Galileo Program, European Commission

Gian Gherardo Calini, Head of Market Development for Galileo Program

## ESA

Giuseppe Morsillo, Director for ESA Policies, Planning and Control

Josef Aschbacher, Head of GMES space office, ESA

Maurice Borgeaud, ESA-ESRIN Head of Science Applications and Future Technologies

## ESOA

Eric Beranger, CEO di ASTRIUM Services and President of ESOA

Giuliano Berretta, ESOA Chairman Emeritus (General Chair ESTEL Conference)

## European Council

Michel Praet, member of the Cabinet of the President of the European Council

# Web Activities

- The website of **www.Estelconference.org** has recorded 8,799 visits in the past 4 months, on average
- 14 **weekly newsletters** have been sent since October 2011 reaching 16,000 international operators in the space and telecommunications industry

## ESTEL Community

- A **Social Community** dedicated to direct dialogue between participants before and after the Conference has been created and actually online at the following link [www.community.estelconference.org](http://www.community.estelconference.org)
- It will include a section for the Best Student Paper Award
- An area will be dedicated to arranging B2B meetings inside the conference
- The different macro areas will be chaired by:
  - **William Roberts** – Nottingham Scientific University (Communication and Navigation Technologies)
  - **Antonio Saitto** – Consorzio RadioLabs (Integrated Satellite Systems and Emerging Technologies)
  - **Susanna Spinsante** – University of Marche (Value added Services & Applications for Improving the Quality of Life)
  - **Hector Fenech** – Eutelsat (Future Satellite Communication Systems)
  - **Luigi Alberto Ciavoli Cortelli** – ASASpazio (Space Missions, Systems and Architectures and Launchers)

# Communications

## Press

- Media partners publishing ESTEL Conference news : Satnews - Geomedia - T-comm - Inside GNSS – Satmagazine – Milsat – Corriere delle Comunicazioni – Key4Biz
- The following websites publish periodically news about ESTEL Conference:

Comunicati

Freeonline

Giornaleinformatico

Geonews

Libero

AESS

INAF

INFN

CNR Sat News

Corrierecomunicazioni

Key4Biz

Avio News

Areapress

Press pool

Prima on line

Media Duemila

Università Tor Vergata

Università di Aalborg

Fidestnews

Neuhaus

Nereus

Planetgis

Masanews

Trasferimentotec

Tutto-ict

Aiaa

Areapress

Bif-fairs

Cisemultimedia

Comunicati-stampa

Fgm

Hi-net

Ilblogger

Mediaduemila

Lazio-aerospazio

Primaonline

Satexpo

Scidev

Sky-brokers

Sochi

Spaceagenda

Italgeek

Liquida

Presspool

# Promoting events

- **Kick Off Press Conference:** Rome December 21/2011, at the EU Commission Representation in Italy) see <http://www.estelconference.org/press-conference/>
- **Presence at Exhibitions/Conferences:**
  - Torino Areospace** (Turin, November 2011)
  - Workshop APDUSS** (Rome, February 2/2012)
  - Meeting with Distretto Lazio** (Rome, February 8/2012)
  - Meeting CNEL, Areospazio: l'Italia dei Distretti** (Rome, February 14/2012)
  - Smart Grid Conference** (Milan, March 8/2012)
  - Workshop AFCEA** (Rome, March 15/2012)
  - Galileo Workshop** (Venice, April 16/2012)
  - Meeting AFCEA** (Rome April 18/2012)

# Staff

## **For scientific information:**

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