

**IEEE Communications Society**  
**Satellite and Space Communications (SSC) Technical Committee**  
IEEE GLOBECOM 2015, San Diego, US  
Date: Wednesday Dec. 9th, 2015, h. 12.30-14.00  
Room Gaslamp2, Omni San Diego Hotel

**1. Call to Order (Chair, Igor Bisio)**

The meeting was called to order at 12:30. After participants introduced themselves, Dr. Bisio introduced the committee and welcome new members. The agenda of the meeting was presented and accepted by all the attendees.

**2. Approval to the Proposed Agenda (Chair, Igor Bisio)**

The proposed agenda of the meeting is shown below.

1. Introduction and Welcome to New Members
2. Approval of the Proposed Agenda
3. Approval of the Minutes of ICC2015 SSC TC Meeting
4. Conference and Workshop Reports:
  - a. GC2 015@San Diego, USA
  - b. ICC 2016@Kuala Lumpur, Malaysia
  - c. GC 2016@Washington, USA
  - d. ICC 2017@Paris, France
  - e. GC 2017@Singapore
5. TC Journal / Magazine / Conferences Activities
6. SSC Newsletter
7. Web Site, Membership Status, and Email List
8. Workgroups and Advisory Board
9. Technical Activities Council (TAC) Report
10. SSC Award
11. Officers Elections
12. Any Other Business
13. Time and Place of Next Meeting: ICC 2016, Kuala Lumpur, Malaysia
14. Adjourn

**3. Approval of the Minutes of ICC2015 SSC TC Meeting (Chair, Igor Bisio)**

The minutes of the last meeting held in ICC 2015 were posted at the website <http://ssc.committees.comsoc.org/files/2015/11/sscmin20150611.pdf> and approved by all participating members without objection.

#### **4. Conference and Workshop Reports (Chair, Igor Bisio)**

##### A. GC 2015 (San Diego, CA, USA)

- TC representative: Dr. Tomaso de Cola (SSC Track)
- GC2015 Technical Program Committee meeting was held on Mon 7 December 2015 10:30-11:30 at Ballroom B (Omni San Diego Hotel)
- GC2015 Wrap-up Meeting will be held on Wed 9 December 2015 13:00-16:00 at Ballroom B (Omni San Diego Hotel)
- Statistics: 25 submissions, 12 accepted, 2 sessions

##### B. ICC 2016 (Kuala Lumpur, Malaysia)

- TC representatives: Prof. Song Guo (SSC Track)
- The ICC 2016 TPC meeting was held on Tue 8 December 2015 8:00-9:30 at Ballroom D (Omni San Diego Hotel)
- The other nominated SSC members for the WC and WN Symposia have not been selected (Prof. D. Tarchi (WC) and Prof. Jiajia Liu (WN))
- Statistics: 46 submissions

##### C. GC 2016 (Washington, DC, USA)

- The GC2016 Organisation Committee meeting was held on Tue 8 December 2015, 7.30-9.30 Gaslamp3 (Omni San Diego Hotel)
- The GC2016 TPC meeting was held on Tue 8 December 2015, 10.00-11.30 Ballroom E (Omni San Diego Hotel)
- The SSC TC has nominated three possible representatives (all selected):
  - Dr. Tomaso de Cola as Symposium Co-Chair of the SAC Symposium (SSC Track)
  - Dr. Nader Alagha as Symposium Co-Chair of the WC Symposium
  - Prof. Mianxiong Dong as Symposium Co-Chair of the WN Symposium

##### D. ICC 2017 (Paris, France)

- Nothing planned yet
- The SSC TC has nominated the following representatives:
  - Prof. Igor Bisio as Symposium Co-Chair of the SAC Symposium (SSC Track)
  - Prof. Giovanni Giambene as Symposium Co-Chair of the Wireless Communications Symposium
  - Prof. Shaowei Wang as Symposium Co-Chair of the Wireless Networking Symposium

##### E. GC 2017 (Singapore, France)

- Nothing planned yet
- The SSC TC has nominated the following representatives:
  - Tomaso de Cola - SSC Track of the SAC Symposium;
  - Giovanni Giambene - Wireless Communications Symposium;
  - Shaowei Wang - Wireless Networking Symposium

##### F. SSC TC endorsed the following conferences

- Asia-Pacific Conference on Communications 2015 - APCC2015 [co-sponsored]
- 2015 International Symposium on Performance Evaluation of Computer and Telecommunication Systems - SPECTS 2015 (<http://atc.udg.edu/SPECTS2015/>) [co-sponsored]
- The 7th Advanced Satellite Multimedia Systems Conference (ASMS) and the 13th Signal Processing for Space Communications Workshop (SPSC) ([www.asms2014.org/](http://www.asms2014.org/)) [co-sponsored]

- To be held in Palma de Mallorca (Spain), from the 5th to the 7th of September 2016
- Initiated from DLR, ESA and University of Bologna
- Edition 2016 is organised by CTTC/UAB
- Several technical sponsors and endorsement from IEEE/Comsoc, in particular the SSC technical committee

#### G. SSC TC is endorsing the following conferences

- SPECTS 2016: International Symposium on Performance Evaluation of Computer and Telecommunication Systems to be held on July 2016, Montreal, Canada (<http://atc.udg.edu/SPECTS2016/>)

#### H. Other Conferences / Workshops

CONFERENCES	DATE & LOCATION	INFORMATION
<b>SPECTS 2016</b> International Symposium on Performance Evaluation of Computer and Telecommunication Systems	July 2016 Montreal, Canada	<a href="http://atc.udg.edu/SPECTS2016/">http://atc.udg.edu/SPECTS2016/</a>
<b>ASMS/SPSC 2016</b> 8th Advanced Satellite Multimedia Systems Conference 14th Signal Processing for Space Communications Workshop	September 5-7, 2016 Palma de Mallorca, Spain	<a href="http://www.asmsconference.org/">http://www.asmsconference.org/</a>
<b>ICL-GNSS 2016</b> International Conference on Localization and GNSS	June 28-30, 2016 Barcelona, Spain	<a href="http://www.icl-gnss.org/2016/index.html">http://www.icl-gnss.org/2016/index.html</a>
<b>PIMRC 2015</b> IEEE International Symposium on Personal, Indoor and Mobile Radio Communications	Sept. 4-7, 2016 Valencia, Spain	<a href="http://www.ieee-pimrc.org/">http://www.ieee-pimrc.org/</a>
<b>Ka-Band/ICSSC</b> The 22nd Ka and Broadband Communications Conference and the 34th AIAA International Communications Satellite Systems Conference (ICSSC)	October 18-20, 2016 Cleveland, Ohio, USA	<a href="http://www.kaconf.org/">http://www.kaconf.org/</a>

### **5. TC Journal / Magazine Activities (Chair, Igor Bisio)**

#### A. IEEE Communications Magazine (COMMAG)

- Successfully closed

#### B. IEEE Journal on Selected Areas in Communications (JSAC)

- The original proposal was rejected
- Concerning the IEEE JSAC initiative a second attempt could be planned. The EiC Prof.

Muriel Medard is kindly available to discuss the weaknesses of the proposal so to prepare another CFP more suited for the JSAC

### C. IEEE Internet of Things Journal (IOT)

- Edited by our Past-Chair Prof. Nei Kato and Prof. Igor Bisio
- The CFP is not entirely dedicated to satellite and space communications and networking topics but are explicitly listed and contributions from this research area are really welcome
- The deadline has been extended until Dec. 31st 2015

### D. Others


- Other initiatives concerns a possible Special Issue proposal on the IEEE Wireless Communications Magazine and on IEEE Network could be organized
- A “Call for Topics” done through the TC ML allowed collecting the following possible topics:
  - SmallSats/Cubesats
  - Nanosatellites for Network Access in Rural and Isolated Areas
  - Terabit Satellite Communications
  - Software-Defined Satellite Payloads and Networks
  - Reconfigurable Payloads and Mega Constellations Networks

### 6. SSC Newsletter (Vice-Chair, Tomaso de Cola)



- SSC Committee Meetings
- GC2015 SSC Activities
- Message from the Chair, Dr. Igor Bisio
- Scanning the World, Dr. T. de Cola
- Forthcoming ICC and GLOBECOM, and Cosponsoring/Related Conferences and Workshops
- Conference Calendar
- Perspective Article: “CoRaSat – Cognitive Radio for Satellite Communications” by A. Guidotti, et al.

### 7. Web Site, Membership Status, and Email List (Secretary, Song Guo)

**SATELLITE AND SPACE COMMUNICATIONS**  
<http://committees.comsoc.org/ssc/>



**IEEE**  
**COMMUNICATIONS**  
**SOCIETY**

**SSC Newsletter** **Vol. 24, No. 2, December 2014**

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The Satellite and Space Communications (SSC) Committee is a volunteer group actively involved in advancing satellite and space communication technologies within the IEEE. This committee is approved by the IEEE Communications Society and is governed by the constitution and bylaws of the IEEE as well as the other twenty-three Technical Committees in the Society. The committee belongs to the Technical Committee Clusters of Communication/Signal Processing (C/SP).

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**- JOIN US -**

All conference attendees are welcome to join us in the SSC Committee meeting.

**Location:** Pedernales/Level 1, Hilton Garden Inn

**Date:** Thursday, 11 December 2014

**Time:** 12:30-14:00

**GLOBECOM 2014 SSC Committee Activities:**

**Symposium on Selected Areas in Communications:**

- **Thursday, 11 December 2014 • 14:00-15:45**  
 Location: Level 1, Room 402  
**SAC-SSC-01: Satellite Networking**  
 Chair: Giovanni Giambene (University of Siena, Italy)
- **Thursday, 11 December 2014 • 16:15-18:00**  
 Location: Level 1, Room 402  
**SAC-SSC-02: Space Communications**  
 Chair: Hiroki Nishiyama (Tohoku University, Japan)

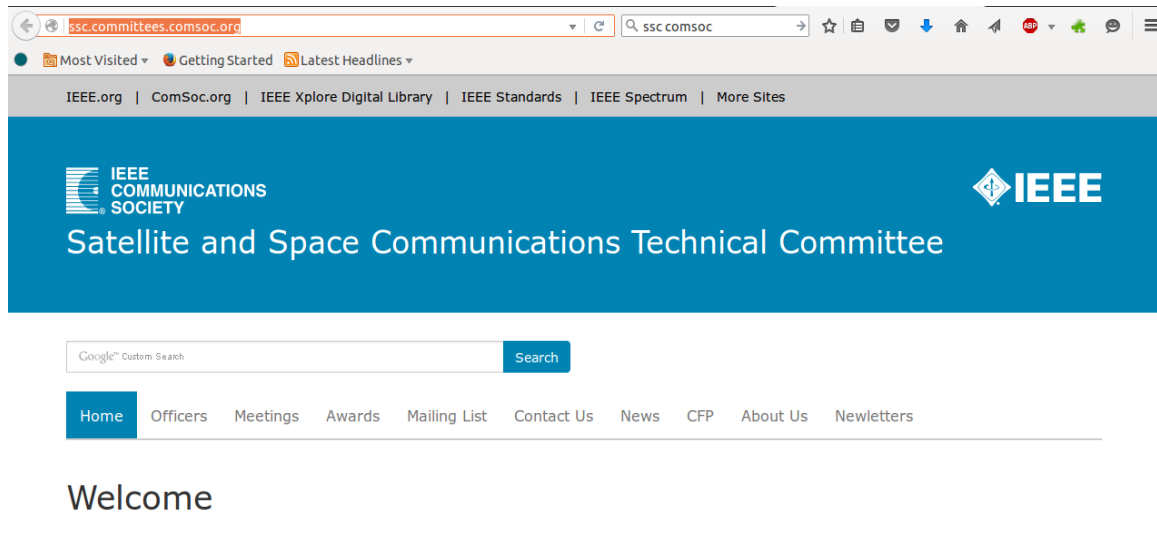
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**Future SSC Meetings**

June 2015, London, UK

Dec. 2015, San Diego, USA

June 2015, Kuala Lumpur, Malaysia



- NEW Web site: <http://ssc.committees.comsoc.org/>
- Membership Status: around 370 members
- E-mail list: ssc@comsoc.org

## 8. Workgroups and Advisory Board

- **Advisory Board.** The current Advisor, **Prof. Des Taylor**, who confirmed his precious availability, will chair the Advisory Board (AB) that will provide to the Officers suggestion, in general, about the TC management, and, in particular, about the envisaged revision of the TCs portfolio of the IEEE ComSoc Technical Activity Council (TAC). The other members involved in the AB would be Past-Chairs of the SSC TC coming from different areas of the World: **Prof. Abbas Jamalipour, Prof. Nei Kato and Prof. Mario Marchese.**
- **Work Groups.** Supporting the Officers on specific themes:
  - IEEE and IEEE ComSoc Awards, DLs and Fellowships: SSC Secretary (Song Guo) - WG Coordinator; Daniele Tarchi (Italy); Giovanni Giambene (Italy)
  - Standards: SSC Standard Liaison (Henry Suthon) - WG Coordinator; SSC Vice-Chair (Tomaso de Cola); Claudio Sacchi (Italy)
  - Editorial Initiatives:
  - Symeon Chatzinotas (Luxembourg) - WG Coordinator; Barry Evans (UK); SSC Chair (Igor Bisio)

## 9. Technical Activities Council (TAC) Report (Secretary, T. de Cola)

### A. Agenda

The TAC meeting hold on Tue 8 Dec. 2015 7.30-9.30 (Ballroom A Omni San Diego Hotel)

Welcome and Introductions	Khaled B. Letaief
Approval of the Agenda	Khaled B. Letaief
Approval of the TAC meeting minutes (ICC'15)	Khaled B. Letaief
TAC Report	Khaled B. Letaief
Recognition Certificates	Khaled B. Letaief
Technical Committees Review	Khaled B. Letaief
Emerging Technologies Committee	Zhisheng Niu

Distinguished Lecturers Selection  
EiC for ComSoc Best Readings  
AoB

Sherman Shen  
Matthew Valenti  
All

#### B. Briefs:

- 1) Many issues and discussions were quite overlapped with respect to the previous TAC in London
- 2) The TC portfolio revision was not mentioned. All the management of the Emerging TC e Sub-TC was discussed
- 3) The current VP-Technical Activities, Prof. K. B. Lataief, reached his term; the next TAC meeting will be steered by the new VP-TA, Prof. Fratta
- 4) Our Secretary, Prof. Song Guo, has been nominated IEEE ComSoc Distinguish Lecturer
- 5) The GITC representatives during the TAC meeting proposes to restructure the SAC Symposium of ICC and GC proposing a rotation among tracks to leave room on emerging topics proposed by the new Sub-TC  
**[NOTE: an immediate action will be taken by the Chair, asking suggestion to the AB, to avoid the periodic cancellation of the SSC Track. On the other hand, the SAC is dedicated to “selected” not “emerging” areas of communications]**
- 6) The Tcs' Newsletters (NL) will be managed by the Publication Council that will provide guidelines to edit the NL. This is due to the fact that some NL (not the SSC NL) look like official journals. This is not acceptable.

#### **10. SSC Service Award (Chair, Igor Bisio)**

- 2015 Satellite Communications Distinguished Service Award to Dr. Riccardo De Gaudenzi

#### **11. SSC Officers Term**

- The current Officers are ending their term
- Around next spring, following the new OP&P, the Nomination & Election Committee will be appointed
- Candidatures for the three roles are very welcome
- Electronic vs Traditional Election voting: Electronic Election approved

#### **12. Any Other Business**

None

#### **13. Time and Place of Next Meeting**

Next Meeting will be held at IEEE ICC 2016, Singapore

#### **14. Adjourn**

- The meeting adjourned at 14:00.

## Attendance List

Name	Affiliation	Email Address
Igor Bisio	University of Genoa	<a href="mailto:Igor.bisio@unige.it">Igor.bisio@unige.it</a>
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