

IEEE Communications Society
Satellite and Space Communications (SSC) Technical Committee

Minutes for Meeting at Globecom 2007, Washington, USA
Wednesday 28 Nov 2007 Time: 11:45 - 14:00
Venue: Hamilton Room at the Hilton Hotel

1. Call to Order (Chair, Mario Marchese)

The meeting was called to order at 12:00. 25 people were in attendance at this time. Mario introduced the committee and welcomed new members. The agenda of the meeting was presented and accepted.

2. Approval of Proposed Agenda

The proposed agenda of the current meeting is as follows.

- 1 Introduction and welcome to new members – Mario Marchese
- 2 Approval of the proposed agenda
- 3 Approval of the minutes of ICC2007 SSC TC meeting – Mario Marchese
- 4 Conference and Workshop reports:
 - A. GLOBECOM2007 (Washington DC) – Mario Marchese
 - B. ICC 2008 (Beijing) – Mario Marchese
 - C. GLOBECOM 2008 (New Orleans) – Mario Marchese
 - D. ICC 2009 (Dresden) – Mario Marchese
 - E. GLOBECOM 2009 (Honolulu) – Mario Marchese
 - F. Other Conferences and Workshops – Mario Marchese
- 5 TC Journal/Magazine/Conference activities – Mario Marchese
- 6 News about recertification process and discussion - Mario Marchese
- 7 SSC Newsletter – Takaya Yamazato
- 8 Web site, Membership status, Email list (subscription, unsubscription) – Tarik Taleb
- 9 Technical Activities Committee (TAC) Report – Mario Marchese
- 10 SSC Award 2007 – Mario Marchese
- 11 Candidatures for Next SSC TC Elections to be held at ICC 2008, Beijing: SSC TC Officers Selection Committee proposal
- 12 Any Other Business
- 13 Time and Place of Next Meeting (ICC 2008, Beijing) – Mario Marchese
- 14 Adjourn

The proposed agenda was presented and accepted without objection.

3. Acceptance of Minutes of the Last Meeting at ICC'07 (Glasgow, Scotland)

The minutes of the last meeting held at GC'06 were presented and accepted without objection.

Chengshan Xiao, chairman of the Wireless Communications TC, presented the regards of his TC by saying: "We, all, represent a big family of ComSoc. As brothers and sisters, we need to work together. As the chairman of wireless communications TC, I envision that we will need to work together with a few TCs including SSC for organizing the WC and WN symposia in both future ICC and Globecom conferences. These two symposia have been receiving a significant number of submissions and there is a need for coherent and collaborative work among the co-chairs of these two symposia. With this regard, we need to assure equal work load among co-chairs from related TCs including SSC and WC technical committees. We need to make sure that all the TPC members are active and reliable. We do oppose to the "black list" concept. However, we need to be selective about the selection of TPC members. People that are well-dedicated and well-connected can serve as co-chairs for the WN and WC symposia. Finally, it is also important to make sure that a TC sends different co-chairs for WC and WN symposia within 12 months or longer. We are looking forward to receiving the name of candidates willing and capable of co-chairing the two symposia from the SSC TC."

4. Conference and workshop reports:

A. Globecom 2007 (26-30 Nov. 2007 Washington DC, USA)

- ◆ SSC is endorsing Wireless Networking Symposium.
- ◆ Globecom 2007 Wrap Up Meeting is on Friday, 30-Nov, 8:00-11:00, Ballroom East, Hilton
- ◆ TPC Chair: Xuemin Shen
- ◆ Globecom 2007

- 337 received papers
- 140 accepted papers (120 oral + 20 posters)
- 41% acceptance rate
- ◆ TC representatives:
 - Abbas Jamalipour
 - Mario Marchese
- ◆ Web site: <http://www.ieee-globecom.org/2007/>

B. ICC 2008 (19-23 May, Beijing, China)

- ◆ SSC is endorsing the General Symposium (Special Track on Satellite and Space Communications).
- ◆ ICC2008 TPC Meeting is on Wednesday, 28-Nov, 15:00-18:00, Kalorama West, Churchill
- ◆ TPC Chair: Ke Gong
- ◆ ICC 2008
 - 118 received papers (28 for the SSC Track)
 - 43 possibly accepted papers
 - acceptance rate about 35%
- ◆ TC representative:
 - Mario Marchese
- ◆ Web site: <http://www.ieee-icc.org/2008/>

C. Globecom 2008 (1-4 Dec. 2008, New Orleans, LA, USA)

- ◆ SSC is endorsing the General Symposium (Special Track on Satellite and Space Communications).
- ◆ GC2008 TPC Meeting is on Wednesday, 28-Nov, 10:00-11:30, Kalorama West, Churchill
- ◆ TC representative:
 - Mario Marchese
- ◆ Web site: <http://www.ieee-globecom.org/2008/>

D. ICC 2009 (14-18 June 2009, Dresden, Germany)

- ◆ SSC is endorsing two Symposia: Wireless Communications Symposium, Wireless Networking Symposium
- ◆ ICC2009 TPC meeting is on Tuesday, 27-Nov, 17:30 18:30 Kalorama East/West Churchill
- ◆ TC representatives:
 - Wireless Communications Symposium (Takaya Yamazato)
 - Wireless Networking Symposium (Mario Marchese)
- ◆ Web site: <http://www.ieee-icc.org/2009/>

E. Globecom 2009 (30 Nov – 4 Dec 2009, Honolulu, Hawaii)

- ◆ SSC will endorse two Symposia: Wireless Communications Symposium, Wireless Networking Symposium
- ◆ GC2009 TPC meeting is on Tuesday 27-Nov, 17:00 18:00, Farragut, Hilton
- ◆ TC representatives:
 - Wireless Communications Symposium (Claudio Sacchi)
 - Wireless Networking Symposium (Tarik Taleb)
- ◆ Web site: <http://www.ieee-icc.org/2009/>

F. Other Conferences / Workshops

- ◆ SSC has endorsed several conferences in the past six months:
 - **SPECTS 2007**: 2007 International Symposium on Performance Evaluation of Computer and Telecommunication Systems, 10th Anniversary of SPECTS, July 16-18, 2007, San Diego, California, USA, <http://eia.udg.es/SPECTS2007/>
 - **IWSSC 2007**: 2007 International Workshop on Satellite and Space Communications (IWSSC 2007), 12th-14th September 2007, University of Salzburg, Austria, <http://iwssc2007.sbg.ac.at/>
 - **CAMAD 2007**: 12th International Workshop on Computer Aided Modeling and Design of Communication Links and Networks (CAMAD '07), Athens, Greece, 7 September, 2007, Part of the 18th IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC 2007), Athens, Greece, 3-7 September, 2007, www.pimrc2007.org
 - **WRECOM 2007**: the Conference on "Wireless Rural and Emergency Communications", Rome, October 1-2, 2007, www.wrecom.org
 - **TELSIKS 2007**: 8TH INTERNATIONAL CONFERENCE ON TELECOMMUNICATIONS IN MODERN SATELLITE, CABLE AND BROADCASTING SERVICES, SEPTEMBER 26-28, 2007,

NIS, SERBIA

- **ISSSTA 2008:** 10th International Symposium on Spread Spectrum Techniques and Applications, 25-28 August 2008, Hotel Savoia Regency - Bologna, Italy, www.isssta2008.org -- (Introduced by **Giovani Corazza from University of Bologna**)
- **ICTTA 08:** 3d International Conference on Information & Communication Technologies: from Theory to Applications - April 7 - 11, 2008, Umayyad Palace, Damascus, Syria, <http://ictta.enst-bretagne.fr/>
- **WICOM 2008:** Int'l Conf on Wireless Communications, Networking and Mobile Computing, September 19-21, 2008, Dalian City, Liaoning province, China, <http://www.wicom-meeting.org>
- **SPECTS 2008:** 2008 International Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS 2008, JUNE 16-18, 2008, Edinburgh, Scotland, <http://atc.udg.edu/SPECTS2008/>
- **IWSSC 2008:** 2008 International Workshop on Satellite and Space Communications, October 1-3, 2008, Supaero, Toulouse, France, <http://www.tesa.prd.fr/iwssc08/>
- **EHF-AEROCOM:** Exploitation of Higher Frequency Bands in Broadband Aerospace Communications – (Introduced by **Claudio Sacchi, University of Trento – ITALY**)
- **Second Global Satellite Communications Symposium:** Nanjing, China, 2009 – Supported by the Ministry of Communications in Beijing, Nanjing University, Southeast University, The Johns Hopkins University Nanjing Center, and the Nanjing University of Aeronautics and Astronautics, -- (Introduced by **William Wu from ATMCO**)

5. TC Journal/Magazine/Conference activities since ICC2005 – Mario Marchese

Special Issue of the IEEE Systems Journal on “Recent Advances in Global Navigation and Communication Satellite Systems (GNCSS)”, Guest Editors: Prof. M. S. Obaidat and Prof. M. Marchese

- ◆ Aim: to highlight the importance of integrating systems traditionally dedicated to transport information with systems devoted to acquire data about the user position (e.g., emergency applications over isolated areas where it is important to quickly install and configure an efficient telecommunication network).
- ◆ The topics of the 11 accepted original papers include: emerging solutions for advanced global navigation satellite systems, technology for the integration of satellite communication and navigation systems, integration of terrestrial, satellite and wireless communication systems, air interfaces, improved physical layers, power and bandwidth allocation solutions.

6. News about Recertification process – Mario Marchese

After the positive conclusion of the recertification process, it is my duty to remind the three main points for which an additional effort is required by all Technical Committees

- ◆ The lack of good candidates proposed for IEEE and ComSoc Awards. In this direction our Committee is warmly encouraged to timely respond to the solicitations of the Award Committee Chair.
- ◆ Technical Committees are not very active in proposing successful candidates to the positions of distinguished lecturer, senior member and fellow. Also in this case this action should be considered as a duty of the Committee and strongly encouraged.
- ◆ ComSoc is not heavily involved in standardization processes. Concerning this point we have inserted a link to the IEEE standard and to other related web sites in the SSC web page. The aim is to gather information on the participation of TC members in standardization activities and to foster structured participation.

Discussion: importance of these issues, not only to match the ComSoc request, but also to disseminate information about the activity of our scientific community, which should not be limited to write and present scientific papers but also to propose candidates for the awards as well as for distinguished lecturers, senior members and fellows, and to follow standardization activities.

7. SSC Newsletter – Takaya Yamazato

- How to join SSC Committee and mailing list
- Message from the Chair
- Scanning the World
- Conference Calendar
- Perspective Article: “Satellite-Based Sensor Networks for Information Retrieval” by Igor Bisio and Mario Marchese

8. Web site, Membership status, Email list (subscription, unsubscription) – Tarik Taleb

- Web site: Constant update of the website. Suggestions are welcome
- Membership status: 180 Members

- Mailing list: Instructions on how to subscribe/unsubscribe are available at <http://cassius.ee.usyd.edu.au/mailman/listinfo/ssc>

9. Technical Activities Committee (TAC) Report – Mario Marchese

- ◆ The TAC meeting will be held on Wednesday, 28-Nov, 15:30-17:30, Kalorama East, Churchill.
- ◆ Chair: S. Benedetto
- ◆ Agenda
 - Introduction (Sergio Benedetto)
 - Presentation from the ComSoc Wireless Communications Engineering Technology Certification program (Celia Desmond)
 - Report from Director of Standards (Alex Gellman)
 - Report from Emerging Technologies Committee (Len Cimini)
 - Recertification of TCs (Sergio Benedetto)
 - New Committee on History of ComSoc (Sergio Benedetto)
 - Adjourn
- ◆ Main discussions:
 - Need for volunteers to work on writing a library of questions and answers for the Certification Program in Wireless Communications Engineering Technologies (WCET) by Celia Desmond
 - Report on Standard Activities and status of several projects such as DYS DAL, P1901 (BPL), NGSO N-SG, GEOSS...by Alex Gelman
 - Report on Emerging TCs: some TCs have done great work, others still need more efforts. There are proposals for the creation of new subcommittees such as Telematics...by Len Cimini
 - Recertification process: Need for a new TC on ComSoc History... by Sergio Benedetto
 - More details are available at <http://www.comsoc.org/socstr/org/operation/techcom/meetings/index.html>

10. 2007 Satellite Communications Distinguished Service Award – Mario Marchese

- ◆ Details on the objectives and the procedure of this award are available at <http://www.comsoc.org/~ssc/award/award.htm>
- ◆ In recognition of significant professional standing and contributions in the field of satellite communications technology, the 2007 Satellite Communications Distinguished Service Award is presented to **Dr. Ron P. Smith** “**For the advancement of digital processing for satellite payloads**”.
- ◆ For over 20 years with Northrop Grumman (formerly TRW), Dr. Ron P. Smith has pushed the boundaries of digital processing for satellite payloads. With 14 United States patents awarded and multiple design and test process improvements, he has been instrumental in the efficient insertion of digital processing in Northrop Grumman satellite payloads and US government programs. Currently, Dr. Smith is the Digital Chief Engineer for Northrop Grumman Space Technology, responsible for technical advancement and process improvement of communication, signal processing, networking and computer processing hardware for satellite payloads. He serves as an expert resource for proposals and corporate initiatives, leading process improvement teams and reviewing invention disclosures, in addition to his direct contributions to on-going satellite development programs.

11. Candidatures for Next SSC TC Elections to be held at ICC 2008, Beijing:

SSCTC Officers Selection Committee proposal

- ◆ Elections to be held at ICC 2008, Beijing
- ◆ Proposal for a SSC TC Officers Selection Committee:
 - ◆ Instead of the tradition whereby the current secretary and vice-chair become the next vice-chair and the TC chair, respectively, the current SSC chair, Mario Marchese, suggested the creation of a SSC TC officers selection committee that can nominate a group of well-experienced, highly qualified, and motivated candidates for each TC office.
- ◆ Officers Selection Committee Procedure
 - ◆ The Officers Selection Committee (OSC) is established by the SSC TC Chair at least three months before the election of the SSC TC Officers. The OSC shall have at least three members chosen among the Past SSC Chairs.
 - ◆ The OSC shall conduct discussions among the committee members via e-mails/conference calls or any other possible means to check possible interest and candidatures. The Committee shall finally propose at least one candidate for each SSC TC Officer Position (Chair, Vice-Chair, and Secretary) and

recommend to the SSC TC Chair.

- ◆ The envisioned “2008 SSC TC Officers Selection Committee (OSC)” is formed from
 - ◆ Abbas Jamalipour
 - ◆ Iwao Sasase
 - ◆ Ron Smith
 - ◆ Des Taylor
 - ◆ Satchandi Verma
- ◆ The OSC proposal was unanimously approved by all the meeting attendee and with no objection.

12. Any Other Business

TBW

13. Time and Place of Next Meeting (ICC2007, Glasgow, Scotland) – Mario Marchese

- ◆ The next SSC TC meeting will be during ICC 2008, Beijing, China.
- ◆ The list of all TC meetings is available at: <http://www.comsoc.org/~ssc/about/sscmin.htm>
- ◆ Latest information, minutes of previous meetings, Newsletters, etc, are available at: <http://www.comsoc.org/~ssc>

14. Adjourn

Meeting adjourned at 13:03

Attendance List

Name	Affiliation	Email Address
Ehssan Sakhaee	Osaka University	sakhaee@anarg.jp
Andrzej Jajszczyk	AGH Univ. of Sc. & Techn.	jajszczyk@kt.agh.edu.pl
Abdallah Shami	Univ. of Western Ontario	ashami@eng.uwo.ca
Chengshan Xiao	Univ. of Missouri-Rdln	xiaoc@mst.edu
Ron Smith	Northrop Grumman	Ron.p.smith@ngc.com
Hamid Nafaa	Univ. of College Dublin	nafaa@ieee.org
Abbas Jamalipour	Univ. of Sydney	a.jamalipour@ieee.org
Farid Nait-Abdesselam	Univ. of Lille	nait@eife.fr
Kumudu Munasinghe	Univ. of Sydney	kumudu@ee.usyd.edu.au
Claudio Sacchi	Univ. of Trento	sacchi@dit.unitn.it
Giovanni Corazza	Univ. of Bologna	giovanni.corazza@unibo.it
Igor Bisio	Univ. of Genoa	igor@dist.unige.it
Mario Marchese	Univ. of Genoa	mario.marchese@unige.it
Takaya Yamazato	Nagoya Univ.	yamazato@ieee.org
Tarik Taleb	Tohoku Univ.	talebtarik@ieee.org
William W. Wu	ATMCO	www@atmco.org
Glusippe Araniti	Univ. of Reggio Calabria	araniti@unire.it
Pavlidou Niovi	Aristotle Univ.	niovi@auth.gr
Yi Qian	National Institute of Standards & Technology	yqian@nist.gov
Iwao Sasase	Keio Univ.	sasase@ics.keio.ac.jp
Raja Jurdak	University College Dublin	rjurdak@ieee.org
Kejie Lu	Univ. of Puerto Rico at Mayaguez	lukejie@uprm.edu
Luca Rugini	Univ. of Perugia	rugini@ieee.org
Sergio Palazzo	Univ. of Catania	palazzo@diit.unict.it
Joe Betser	The Aerospace Corp	betser@aero.org