

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

Minutes for Meeting at ICC 2007, Glasgow, Scotland
Tuesday 26 June 2007 Time: 12:30 - 14:00
Venue: Leven Room at the SECC/Convention Center

1. Call to Order (Chair, Mario Marchese)

The meeting was called to order at 12:30. 15 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 GC2006 SSC TC meeting – Mario Marchese
4. Conference and Workshop reports:
 - A. ICC 2007 (Glasgow) – Abbas Jamalipour
 - B. GLOBECOM2007 (Washington DC) – Mario Marchese
 - C. ICC 2008 (Beijing) – Mario Marchese
 - D. GLOBECOM 2008 (New Orleans) – Mario Marchese
 - E. ICC 2009 (Dresden) – Mario Marchese
 - F. Other conferences / workshops
5. TC Journal/Magazine/Conference activities – Mario Marchese
6. Recertification process - 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. New GITC "standardized" Symposium list
11. SSC Award 2007 Deadline– Mario Marchese
12. Any Other Business
13. Time and Place of Next Meeting (GC2007, Washington) – Mario Marchese
14. Adjourn

The proposed agenda was presented and accepted without objection.

3. Acceptance of Minutes of the Last Meeting at GC'06 (San Francisco, USA)

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

4. Conference and workshop reports:

A. ICC 2007 (24-28 June 2007, Glasgow, Scotland)

- ◆ SSC TC has been a co-sponsor of the Symposium on Communications QoS, Reliability and Performance Modeling, during ICC2007
- ◆ General Conference and 10 Symposia
 - **Communications QoS, Reliability and Performance Modelling**
 - Communication Theory
 - Computer and Communications Network Security
 - Multimedia Communications and Home Services
 - Network Operation and Services
 - Optical Networks and Systems
 - Signal Processing and Coding for Data Storage
 - Signal Processing for Communications
 - Wireless Ad hoc and Sensor Networks
 - Wireless Communications

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

- ◆ SSC is endorsing Wireless Networking Symposium.

- ◆ Globecom 2007 TPC meeting is on Wednesday 12.00-14.00 pm 27 June, Jurra Suite, Crowne Plaza
- ◆ TPC Chair: Xuemin Shen
- ◆ Globecom2007 review process is conclude
 - 337 received papers
 - 140 accepted papers (120 oral + 20 posters)
 - 41% acceptance rate
- ◆ TC representative:
 - Abbas Jamalipour
 - Mario Marchese

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

- ◆ SSC is endorsing the General Symposium.
- ◆ ICC2008 TPC meeting is on Tuesday 14.00-16.00 pm 26 June, Jurra Suite, Crowne Plaza
- ◆ TPC Chair: Ke Gong
 - ◆ www.ieee-icc.org/2008/
 - ◆ **Call for papers**
 - ◆ **Symposia: <http://www.ieee-icc.org/2008/sessions.html>**
- ◆ TC representative:
 - ◆ Mario Marchese

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

- ◆ SSC is endorsing the General Symposium (Selected Areas of Communications).
- ◆ GC2008 TPC meeting is on Wednesday 9:30-13:00 27 June, Barra Suite, Crowne Plaza
 - ◆ **Symposia List**
- ◆ TC representative:
 - ◆ Mario Marchese

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

- ◆ SSC is probably endorsing two Symposia: Wireless Communications Symposium, Wireless Networking Symposium
- ◆ ICC2009 TPC meeting is on Tuesday 16:30-17:30, 26 June, Jurra Suite, Crowne Plaza
 - ◆ **Symposia List**
- ◆ TC representatives:
 - ◆ Mario Marchese and Takaya Yamazato

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
 - TELSIS 2007: 8TH INTERNATIONAL CONFERENCE ON TELECOMMUNICATIONS IN MODERN SATELLITE, CABLE AND BROADCASTING SERVICES, SEPTEMBER 26-28, 2007, NIS, SERBIA (to be updated)
 - ISSSTA 2008: 10th International Symposium on Spread Spectrum Techniques and Applications, 25-28 August 2008, Hotel Savoia Regency - Bologna, Italy, www.isssta2008.org (to be updated)
 - 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/> (to be updated)

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

- Organizing one special issue in the IEEE Wireless Communications Magazine on the topic of "Key Technologies and Applications of Present and Future Satellite

Communications” guest editor-ed by Mario Marchese and Abbas Jamalipour, Published October 2005. The submission rate was overwhelming with an acceptance rate of around 15%

- Organizing one special issue in the IEEE Wireless Communications Magazine on the topic of “The Synergy of Space and Terrestrial Communications in Next-generation Hybrid Wireless Systems” guest editor-ed by Antonio Iera, Ki-Dong Lee, Antonella Molinaro, Apostolis K. Salkintzis, Published October 2005
- Organizing a Feature Topic issue on satellite communications to be published in December 2005 in the IEEE Wireless Communications Magazine
- Organizing one special issue in the Computers and Electrical Engineering Journal on “Recent Advances in Wireless Networks and Systems”, guest edited by Mario Marchese and Mohammed Obaidat
- Organizing IEEE Systems Journal, Special Issue on “Recent Advances in Global Navigation and Communication Satellite Systems (GNSS)”, guest edited by Mario Marchese and Mohammed Obaidat

6. Recertification process Mario Marchese

- ◆ Last December Sergio Benedetto, Vice President - Technical Activities announced me that the ComSoc BoG, upon recommendation of the Recertification Committee, had positively evaluated the overall activity of our Committee and approved its recertification up to year 2009.
- ◆ He sent some suggestions to further improve our activity.
 1. A problem that ComSoc Award Committee has been continuously facing is the lack of good candidates proposed for the various IEEE and ComSoc Awards. We should consider that these awards are an important aspect of our society life, and serve the purposes of recognizing deserving candidates as well as of giving them highly valued elements to grow in their career. Thus, we are warmly encouraged to also consider this an important Committee duty, and to timely respond to the solicitations of the Award Committee Chair.
 2. A second problem concerns the fact that Technical Committees are not very active in proposing successful candidates to positions of distinguished lecturers, senior member and fellow. We are invited to enhance the activity of our Committee in this respect, perhaps in a more organized and structured way, by assuming these as Committee tasks, rather than leaving them to the individual members initiatives.
 3. Traditionally, ComSoc has not been heavily involved in standardization processes, and, more generally, to related fora. This is becoming more and more important, and the constitution of a Director of Standards also recognized that. We are invited to consider two possible actions: gather information on the participation of TC members to standardization activities, and consider structured participation (see the Standards web site accessible from ComSoc web site to this purpose); insert news on your TC web site, and a link to the abovementioned Standard web site and other related web sites.
 4. As a last point, Sergio suggested to consider carefully the present Charter of your TC, and revise it with the aim of: avoiding as much as possible the overlaps with other TC Charters; mentioning explicitly all the TC scopes, including those that go beyond the scientific activities, such as proposing deserving members for awards, senior or fellow promotion, contribution to standards, etc.
- ◆ Main results:
 1. Together with Past-Chair Abbas Jamalipour, Vice-Chair Takaya Yamazato and Secretary Tarik Taleb, proposed our new Charter, recently approved by BoG and published on our web site.
 2. The text of the new Charter is: *“The Committee facilitates technical interchange in the field of satellite and space communications. It explores the evolution of new satellite and space-based systems and the application of new and emerging technologies, at all layers of the network protocol suite. The Committee maintains a keen interest in the development and maintenance of standards in this area and facilitates nomination of suitable candidates for IEEE awards, distinguished lecturer program, and IEEE Fellow elevation among its members. Specific technologies of current interest include: Satellite Air interfaces, Advanced Modulation/Demodulation and On-board Signal Processing; Advanced and Active Antennas; Architectures, Protocols and Applications for Satellites; Satellite IP; Integration with Terrestrial and Wireless Networks; LEO/MEO/GEO and HAPs Communications; Deep Space Communications; Broadcasting and High-definition television (HDTV); Advanced Global Navigation Satellite Systems; Integration of Communication and Navigation Systems; Satellite Network Control and Management.”*

7. SSC Newsletter – Takaya Yamazato

- ◆ How to join SSC Committee and mailing list
- ◆ Message from the Chair
- ◆ Scanning the World
- ◆ Conference Calendar
- ◆ Perspective Article
 - A vision on standardisation role in future Mobile Satellite Systems
 - N. Chuberre/ETSI TC SES S-UMTS chairman, A. Bolea-Alamanac/ESA , L. Combelles/Thales Alenia Space, G. Corazza/ISI chairman, B. Evans/CCSR director , P. Glennon/ Inmarsat, R. Goodings/ETSI TC SES GMR chairman, Ho-Jin Lee/ETRI , B. Martin/Thales Alenia Space, A. Vanelli-Coralli/CNIT –University of Bologna

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

- ◆ Web site
 - Web site has been recently updated
 - Any other ideas? Suggestions?
- ◆ Membership status
 - 180 Members
- ◆ Email 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 was held on Tuesday, 26 June 2007 from 7.30-9.30am. Chair: S. Benedetto
- ◆ Main discussions were:
 - ◆ New Cluster Chairs:
 - <http://www.comsoc.org/socstr/org/operation/techcom/committees.html>
 - ◆ New Charters
 - The Technical Committee on Personal Communications has requested to modify its name to Technical Committee on Wireless Communications
 - The Technical Committee for Signal Processing for Storage has requested to modify its name to Technical Committee on Data Storage
 - The three Technical Committees on Radio Communications, Personal (Wireless) Communications and Satellite and Space Communications have revised their charters through an interactive process which has now been concluded with a general agreement
- ◆ Main discussions were:
 - ◆ Report on Standard Activities (Alex Gelman)
 - Enforce the standard process
 - ITU-T dedicated publications (ComMag, JSAC?)
 - Importance of cooperation in this process
 - ◆ Structure of Globecom and ICC future Symposia (H. Stuetngen)
 - Stability / Coverage / Technical Focus / Expert Reviewers / Minimizing overlap
 - 11 Symposia
 - Suggest Big Area
 - Co-Chair and Reviews from TCs
- ◆ Main discussions were:
 - ◆ ComSoc and IEEE Awards (Roberto De Marca)
 - Paper, Service, Career, Medals, Technical Fields, Award web site, Proposal of good names
 - ◆ Certification Program in Wireless Communications Engineering Technologies (WCET) (Celia Desmond)
 - c.desmond@ieee.org
 - j.howell@ieee.org
 - www.comsoc.org/cert
- ◆ Main discussions were:
 - ◆ Recertification process (S. Benedetto)
 - Alternatives

- ◆ 15 Recertified
- ◆ 5 To be revised
- ◆ New TC on Tactical Communications and Situation Management (TC&SM) – Motion for BoG – New Charters
- Reminder of the actions to take

10. New GITC "standardized" Symposium list

Information is available at this ppt file at this URL:

http://www.comsoc.org/~Essc/about/minutes/GITC4TAC_260607.ppt

11. 2007 Satellite Communications Distinguished Service Award – Mario Marchese

- ◆ This award aims to promote research and development activities in the area of satellite communications within the industry and academia research community. The award is established as part of the Satellite and Space Communications Technical Committee activities in involvement in the new and revolutionary developments taking place in the field. The SSC TC is governed by the constitution and bylaws of the IEEE and the IEEE Communications Society. The award also aims to motivate the increase in number of research and publications in the field as well as number of researchers in this field and the TC membership
- ◆ One award will be given in each calendar year. If no suitable candidate is proposed in a given year, the award will not be presented for that year. The award will be announced and given during IEEE GLOBECOM conference
- ◆ All application must be sent to the SSC TC Secretary by the closing date of July 15th of the year of prize
- ◆ More information available on the SSC web page: <http://www.comsoc.org/~ssc/award/award.htm>

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 GC07, Washington DC, USA
- ◆ You can find the list of all TC meeting at: <http://www.comsoc.org/~ssc/about/sscmin.htm>
- ◆ Please check the latest information, minutes of meetings, Newsletter, etc, at: <http://www.comsoc.org/~ssc/index.html>

14. Adjourn

Meeting adjourned at 13:55 pm.

Attendance List

Name	Affiliation	Email Address
Tomaso De Cola	University of Genoa, Italy	Tomaso.decola@unit.it
Marco Villanti	University of Bologna	mvillanti@deis.uniso.it
Abdallah Shami	University of Western Ontario	ashami@eng.uwo.ca
Evangelos Papapetrou	University of Ioannina	epap@cs.uoi.gr
Sastri Kota	Harris Corp.	skota@harris.com
Hamid Nafaa	University of College Dublin	nafaa@ieee.org
Moon Hu Lee	Chonbuk National Univ., Korea	moonho@chonbuk.ac.kr

Farid Nait-Abdesselam	University of Lille	nait@eife.fr
ABdelhamid Mellouk	University of Paris XII	mellouk@univ-paris12.fr
Stefano Galli	Panasonic	sgalli@research.panasonic.com
Hung Nguyen	The Aerospace Corp.	Hung.h.nguyen@aero.org
Igor Bisio	University of Genoa	igor@dist.unige.it
Mario Marchese	University of Genoa	mario.marchese@unige.it
Takaya Yamazato	Nagoya University	yamazato@ieee.org
Tarik Taleb	Tohoku University	talebtarik@ieee.org