

Minutes

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

Meeting at ICC 2004, Paris
Tuesday 22 June 2003, 12:30 pm – 2:30 pm
Newport Bay Club Hotel Convention Center - Room Nantucket

1. Call to Order (Chair, Ron Smith)

The meeting was called to order at 12.40 PM. 27 people were in attendance at this time. Ron introduces the Committee and welcomes new members. The agenda of the meeting was presented and accepted.

2. Acceptance of Minutes of the Last Meeting at Globecom03 (San Francisco) – (Chair, Ron Smith)

The minutes of the last meeting held at Globecom03 (San Francisco) were presented and accepted.

3. Conference Reports

(A) ICC 2004 (Paris): Michael Hadjitheodosiou, Mario Marchese and Marina Ruggeri

Mario reports that there was no satellite symposium in at ICC04 but the activities of the SSC Committee for ICC 2004, summarised in the following, guaranteed relevance for the satellite sector:

TUTORIALS (June 20 and 24, 2004)

T23 - ARCHITECTURE AND REQUIREMENTS OF NEXT-GENERATION WIRELESS NETWORKS

Duration: Half-Day – Thursday 24 June – 13:30 - 17:00

Instructor: Abbas Jamalipour, University of Sydney

TECHNICAL SYMPOSIA (June 21-23, 2004)

Session QS12: Wireless Networks, Wednesday, 23 June, 14:30 – 17:30, Room: Chambord, Newport Bay Club

Session WC12: Satellite and Optical Wireless Communications, Tuesday, 22 June, 14:30 -17:30, Room: Panthéon, Hotel New York

Session WN09: Quality of Service Issues I, Tuesday, 22 June, 9:30 -12:30, Room: Bastille, Hotel New York

Session WN19: Topics in Wireless Networks, Wednesday, 23 June, 14:30 -17:30, Room: Odéon, Hotel New York

EXECUTIVE AND EXPERT PANELS

P-6– The Role of Satellites in Future Broadband Networks

Tuesday, 22 June – 11:10-12:30

Room: Champs Elysées, Hotel New York

Organizer: Riccardo De Gaudenzi, Head of Communications Systems Section, European Space Agency

Panelists:

Roberto Campitelli, Chairman Hughes Network Systems Europe;

Olivier Guilbert, Alcatel Space Systems and Network Marketing Director;

Benjamin Pontano, President, Viasat Comsat Labs;

Harald Skinnemoen, R&D Product Manager, Nera SatCom.

(B) Globecom 2004 (Dallas): Boon Sain Yeo and Michel Bousquet

Boon reports that the theme of Globecom '04 "Emerging Technologies Applications and Services" characterizes the continuing pervasiveness of telecommunications in all aspects of global society, industry, and government. No symposium about satellites is scheduled.

The technical sessions of Globecom '04 will be presented in seven Symposia:

- Global Internet and Next Generation Networks
- Wireless Communications, Networks and Systems
- Communication Theory
- Security and Network Management
- Optical Communications, Networks, and Systems
- Signal Processing for Communications
- General Symposium

(C) ICC 2005 (Seoul): Abbas Jamalipour

Abbas reports that IEEE ICC 2005 will be held in Seoul, Korea from 16 May to 20 May 2005 under the theme of 'Towards the Era of Ubiquitous Networks.' The technical program will consist of General Conference, eight major Symposia, and Tutorials. The scope of ICC 2005 includes: Communications Quality and Reliability, Communications Software, Communications Switching & Routing, Communications Systems Integration & Modeling, Communication Theory, Computer Communications, Enterprise Networking, Gigabit Networking, Information Infrastructure, Interconnections in High-Speed Digital Systems, Internet, Multimedia Communications, Network Operations and Management, Optical Networking, Personal Communications, Radio Communications, Satellite and Space Communications, Signal Processing and Communications Electronics, Signal Processing for Storage, Tactical Communications, Transmission, Access and Optical Systems.

Abbas reminds that the deadline of Complete Paper Manuscripts (1 September 2004) is very strict and recommends authors of works about satellites to submit original technical papers for presentation at ICC 2005 and publication in the Conference Proceeding. Proposals for Tutorials and Panels about satellites are also strongly invited. Ron reminds the tradition of SSC TC concerning tutorials.

Abbas reminds that at least three symposia as well as the general conference may be of interest for SSC people:

- Next Generation Networks for Universal Services
 - o Co-Chairs:
 - Nelson Fonseca, University of Campinas, Brazil
 - Abbas Jamalipour, University of Sydney, Australia
 - Raouf Boutaba, University of Waterloo, Canada
 - Heinrich Stuttgen, NEC Europe, Ltd, Germany
- Symposium on Wireless Communication (concerning physical and data link layers)
 - o Co-Chairs:
 - K.B. Lee, Seoul National University, Korea
 - Mansoor Shafi, Telecom New Zealand, New Zealand
- Wireless Networking
 - o Co-Chairs:
 - Romano Fantacci, University of Florence, Italy
 - Roberto Saracco, Telecom Italia Lab, Italy
- General Conference
 - o Chair: Dan Keun Sung, KAIST, Korea
 - o Vice-Chairs :
 - Hyuck M. Kwon (Communications), Wichita State University, USA
 - Amitabh Mishra (Networks), Virginia Tech, USA

(D) Globecom 2005 (St. Louis) - Michael Hadjithedosiou, Giovanni Giambene, Boon Yeo, William Wu

Abbas and Ron report that the first TPC meeting for Globecom2005 was supposed to be in this ICC2004, but the TPC Chair has not arranged one this time. The call-for-paper is already available while the web site is still under construction.

(E) ICC 2006 (Istanbul)

Ron asks for volunteers to be the representatives of SSC TC at ICC06. Four representatives are selected: Abbas Jamalipour, Niovi Pavlidou, Tommaso Pecorella and Maria Angeles Vasquez Castro.

(F) ICSSC 2004 (Monterey) / ICSSC 2005 (Italy) - Ron Smith

Ron reports that ICSSC is a premier technical conference covering all aspects of satellite communication. It is a forum for satellite systems developers, spacecraft and launch vehicle specialists, component and equipment designers, communications experts, network planners, satellite operators and telecom service providers. Presentations and papers cover advances in communications techniques, technologies and systems architectures, as well as their impacts on applications and services (including fixed, broadcast, mobile and personal communications).

Ron says that ICSSC 2004 has contained six parallel purely technical sessions dedicated to satellites. ICSSC 2005 will be organized together with the "Ka and Broadband Communications Conference" in Rome, Italy, 26-30 September 2005.

(G) Other conferences

- SPECTS'04: Mario says that SPECTS04, the International Symposium on Performance Evaluation of Computer and Telecommunication Systems will be held July 25-29, 2004, San Jose, California at the San Jose Hyatt. Information is contained by the web site: <http://www.scs.org/confernc/ssimc/ssimc04/programs/spects04AdvanceProgram.htm>. SSC

TC is well represented: Vice General Chair: Franco Davoli; Program Chair: Abbas Jamalipour; Vice Program Chair and Special Sessions Chair: Jose Luis Marzo; Vice Program Chair and Tutorial Chair: Mario Marchese.

- SPECTS'05: Mario reports that SPECTS'05, the International Symposium on Performance Evaluation of Computer and Telecommunication Systems, will be held in July 2005, location is still to be fixed. SSC TC is fully represented: Mario Marchese and Jose Luis Marzo will be the Program Co-chairs. SSC TC members are solicited to submit papers.
- MILCOM 2004: Sastri says that MILCOM 2004 will be held at Monterey, CA, USA, Oct. 31 – Nov. 3, 2004. MILCOM 2004 will focus on capabilities enabled by harnessing the power of new and emerging communications and information systems technologies. MILCOM 2004 has solicited unclassified and classified papers (up to DoD SECRET and releasable to foreign nationals) relevant to communications and information system capabilities that address the 21st century challenges of national defense and homeland security. Sastri invites SSC TC members to check the program.
- VTC 2004 Fall: Hung reminds that: VTC 2004 Fall, the 60th IEEE Semiannual Vehicular Technology Conference, will be held in September 26-29, 2004, at Los Angeles, CA, USA. The web site of the conference is <http://www.aero.org/conferences/vtc2004fall/>. The conference is organized by the Aerospace Corporation and will contain tracks concerning satellite communication. The SSC TC members are solicited to have a look of the web site of the conference.

A discussion follows concerning the role of satellite communications at ICC and Globecom. There are few submissions and, as a consequence, few papers presented and no much attention to the topic. Scientists working on the field seem to be more attracted by specific conferences as ICSSC and Ka band. Proposals follow to try reversing the trend. SSC TC members are solicited to send topics to be included in the next ICC and Globecom to the Chair of the committee and to the e-list for discussion. SSC TC members are also invited to submit more works at ICC and Globecom.

4. SSC Award Presentation: Vice-Chair, Abbas Jamalipour (Awards Subcommittee Chair)

Abbas summarizes the eligibility criterion: an individual researcher or a team of researchers, who has met the following criteria, may be nominated or may apply for receiving the award:

- Must be an IEEE Communications Society Member at the time of application.
- Must have research related to the field of satellite and space communication, including research involving any layer of the network stack.
- Must have a good track of record in research in the field of telecommunications but not necessarily in the satellite field.
- Must have significant contribution in the field in the form of one or both of the followings: publication of one book, or one book chapter, or one journal paper, or one international conference paper, or a significant patent received in the field of the satellite communications during the year immediately prior to the award year. The journal paper and the international conference paper must be peer reviewed based on full paper submission. The publications are not required to be within the IEEE journals and conferences but must be published in high-level publications, as defined by the award selection committee.
- Must be ready to attend the GLOBECOM conference in the year of award. In case the selected person for the award cannot attend the conference, a representative must be nominated to receive the award at least four weeks before the conference date or the award will be given to the second person who has been selected by the award committee as the reserved.

Abbas proposes a motion to move the nomination deadline from 1st October, 2004 to 15th July, 2004. The proposal is approved and the deadline for 2004 SSC Award Nominations is fixed to 15th July, 2004. An e-mail will be send by Mario to state the new date.

5. SSC Newsletter, Web, Email list, and membership status: Secretary, Mario Marchese

Mario encourages paper submission and contribution to the SSC Newsletter, which has a large distribution and accepts a selected and reviewed scientific contribution each edition. Mario asks the members to signal any change concerning personal information (address, phone, e-mail,...) and reports about SSC Newsletter, web site and Membership status:

SSC Newsletter

SSC Newsletter (vol. 14, n. 1) is electronically available on the SSC website and it has been distributed in 120 hardcopies during this conference. It has the following content:

- SSC Committee Meetings
- GLOBECOM 2003 SSC Activities
- Officers
- Message from the Chair

- Scanning the World
- Forthcoming ICC and GLOBECOM
- Cosponsoring/Related Conferences and Workshops
- Conference Calendar
- Perspective Article

SSC Newsletter has a relevant diffusion and it is free on the Internet. Significant contributions are encouraged for vol. 14, n. 2, edited in November 2004. The preliminary deadline for submissions is fixed for 15th October 2004.

Web

The web is currently updated. Proposal for improvements are encouraged. A new section concerning the indications to join SSC Mailing List and how to subscribe/unsubscribe have been added to the web site. A brief suggestions concerning this topic is also reported at page 5 of the Newsletter.

Membership status

There are currently more than 150 members in our technical committee. Membership list is currently updated.

6. SSC Officers Election (Chair, Ron Smith)

Ron reports that:

- There are two candidates for the Secretary position: Michael Hadjitheodosiou and Reza Soleymani. 18 SSC TC members out of 27 approve the election of Michael Hadjitheodosiou who is the next Secretary.
- There is one candidate for the position of Vice-Chair: Mario Marchese. The election is approved by SSC TC members with unanimous consensus. Mario is the next Vice-Chair.
- There is one candidate for the position of Chair: Abbas Jamalipour. The election is approved by SSC TC members with unanimous consensus. Abbas is the next Chair.

Abbas and all the SSC TC members deeply thank Ron Smith for his service within the committee.

7. Technical Activities Committee (TAC) Report (Chair, Ron Smith)

Ron reports that ComSoc received 71 nominations for Fellowship; 25 out of 71 have been approved. SSC members who like either to be nominated for Fellowship or Service Award or to nominate someone are invited to contact Ron for information.

Ron reports that ComSoc provides a budget for each committee. It is necessary to apply and justify the expenses to get it. The Award is an example of possible expense. The TAC budget for TCs is \$20000, if shared equally it would be \$1000 per TC, but not all TCs request budget so more may be available for an individual request.

8. Any Other Business (Chair, Ron Smith)

- Mario reports that within the recently launched 6th Research Framework Programme of the European Commission, 21 major players in satellite communications research (with the leadership of DLR) have joined forces to implement the European Satellite Communications Network of Excellence (SatNEx). The primary goal of SatNEx is to achieve long-lasting integration of the European research in satellite communication and to develop a common base of knowledge, thus contributing to the realization of the European Research Area. Many SSC TC members are active part of the SatNEx project. A brochure of SatNEx is distributed to SSC TC members. More information may be found at the web site <http://www.satnex.org/>.
- Ron and Mario propose the motion to change the duties of the Secretary and of the Vice-Chair. In detail, the motion concerns the proposal to move the Newsletter Editor duty from the Secretary to the Vice-Chair; the Secretary keeps the duty of printing the Newsletter and bringing hardcopies at ICC and Globecom. The motion is approved with unanimous consensus. The new duties can be checked in the web site.

9. Time and Place of Next Meeting (Chair, Ron Smith).

Globecom 2004, Dallas, Texas, USA. Time/date: TBD, tentatively, the second day of technical sessions.

10. Adjourn

The meeting adjourned at 2.30 PM.

Attendance (27 total)

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