

IEEE Communications Society
Satellite and Space Communications (SSC) Technical Committee
Minutes for Meeting at GLOBECOM 2005, St. Louis, Missouri, USA (Draft, to be approved at ICC06)
Wednesday 30 november 2005, 12:30 pm – 2:00 pm
Location: America's Center (Convention Center), Room 221

1. Call to Order (Chair, Abbas Jamalipour)

The meeting was called to order at 12.40 PM. 27 people were in attendance at this time. Abbas introduced the Committee and welcomed new members.

2. Approval Proposed Agenda

The proposed agenda of the current meeting has been presented and accepted without objection.

3. Acceptance of Minutes of the Last Meeting at ICC05 (Seoul)

The minutes of the last meeting held at ICC05 (Seoul) were presented and accepted without objection.

4. Journals:

The following Special Issues of IEEE and non-IEEE journals with themes related to Satcom were presented and discussed.

- 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.

5. Technical Program Committee (TPC) and Workshop reports

A. Globecom 2005 (28 Nov. – 2 Dec. 2005, St. Louis, MO) - Abbas Jamalipour

Location: Renaissance Grand Hotel, St. Louis, Missouri, USA, Time: Nov. 28 – Dec. 2, 2005.

Website: <http://www.globecom2005.com>

General Chair: Ann Miller

Technical Program Chair: Steve Watkins

Wireless Communications Symposium Chair: Abbas Jamalipour,

Vice Chairs: Nirwan Ansari, Chengshan Xiao, and Mostofa Howlader

Globecom'05 received 1640 submissions and the distribution is given by

Wireless Communications	659	(38% of Globecom'05)
General Conference	277	
Communication Theory	225	
Signal Processing	151	
Adv. Networks & Internet	119	
Autonomic Internet	102	
Photonic Technology	101	
Computer & Network Security	89	

Relevant activities to our TC:

TUTORIALS & WORKSHOP

TU-07 - IEEE Standards and Cellular-Based Broadband Wireless IP

WO4: Advances in Satellite Communications: New Services and Systems

Duration: Fri 2 Dec, 9:00am -12:00pm

Session Organizers: Sastri Kota, Harris Corporation, USA, Giovanni Giambene, University of Siena, Italy.

TECHNICAL SYMPOSIA

- CT04 Performance Analysis, Tue Nov 29, 2:00pm – 4:00pm
- SP03 Signal Processing Poster, Tue 29 Nov, 2:00pm – 5:00pm
- WC27 Satellite Networks - Wed 30 November, 2:00pm – 4:00pm
- GC10 Wireless Systems and Networks, Wed 30 Nov, 2:00pm – 4:00pm
- WC41 Queuing and Scheduling, Thu 1 Dec, 2:00pm – 4:00pm
- NI08 Congestion control, Thu Dec 1, 4:00pm – 6:00pm
- WC15 OFDM III, Tue 29 Nov, 4:0 pm – 6:00pm

TELECOM BUSINNES FORUM

- Networks Communications: Wireless Issues: Tue 29 Nov, 2:00pm – 4:00pm
- Wireless Communications: Tue 29 Nov, 4:00pm – 6:00pm

DESIGN & DEVELOPERS FORUM

- Ubiquitous Networks Design and Applications-I and II: Wed 30 Nov, 10:15am - 12:15pm and 2:00pm – 6:00pm

B. ICC2006 (11-15 June 2006, Istanbul, Turkey) Symposium on Next Generation Mobile Networks - Abbas Jamalipour

SSC TC sponsored the Symposium on Next Generation Mobile Networks for IEEE ICC2006 (in ICC2005 SSC TC sponsored the NGN symposium). Abbas Jamalipour is one of co-chairs for this symposium and TC members are actively involved in the TPC and review process of submitted papers.

The tentative acceptance ratio is 32.8% of the reviewed papers. The final meeting for ICC2006 TPC paper selection is on Wed 30 Nov 2005 between 9:00 - 17:00. Tentatively out of 825 papers, 660 papers will be in oral sessions and 165 in poster sessions.

C. GLOBECOM 06 (San Francisco) - Mario Marchese

There will be a symposium proposed by SSC TC.

Title: Symposium on Satellite & Space Communications

Symposium Co-Chairs:

- Mario Marchese
- Abbas Jamalipour
- Michael Hadjitheodosiou

Deadline for paper submissions is 5 March 2006

TPC members have been invited through EDAS. 69 already accepted, 15 awaiting reply (any interested to be a TPC?)

We look forward to a great paper submissions of around 150 papers. All TC members are encouraged to make this symposium a great success.

D. ICC 2007 - Abbas Jamalipour

SSC TC will be a co-sponsor of the Symposium on Communications QoS, Reliability and Performance Modeling, during ICC2007. The ICC2007 TPC meeting was on Tuesday 2-4pm 29 Nov in Room 221, America's Center.

General Chair: Arun Sarin, Vodaphone Group plc

Executive Chair: Tariq Durrani, University of Strathclyde

Technical Program: Ivan Andonovic, University of Strathclyde and John Thompson, University of Edinburgh

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

Submission of Paper Manuscripts and Proposals: 15 September 2006

E. Globecom 2007 – Abbas Jamalipour

SSC is considering a proposal. No TPC meeting during Globecom2005.

TPC Chair: Tom Stanley
Chief Engineer
Wireless Telecommunications Bureau
Federal Communications Commission

Globecom2007 is now looking for any comment on organizing the conference and the review process. Please send your feedback to Abbas Jamalipour.

F. Other Conferences / Workshops

SSC TC members are active in IEEE WCNC. The following guideline has been set by the ComSoc TAC for endorsement of an event by a TC:

- a) The Event has a TPC that conducts independent, peer review for paper selection.
- b) The Event is in a technical area related to the endorsing TC's interests.
- c) At least one TC member must be on the Event's TPC and actively involved in the development of its program.
- d) The Event's designated TC representative agrees to report to the TC about the Event.
- e) The TC's Event representative assumes significant responsibility for the overall quality of the Event's technical program.

SSC has endorsed several conferences in the past six months:

- 2nd International Conference in Information & Communication Technologies : from Theory to Applications (ICTTA 2006), April 24-28, 2006, Damascus, Syria.
- 11th International Workshop on Computer Aided Modeling and Design of Communication Links and Networks (CAMAD'06), June 8-9, 2006, Trento, Italy.
- 3rd Advanced Satellite Mobile Systems Conference (ASMS 2006), 29-31 May 2006, Herrsching, Germany.
- AIAA International Communication Satellite Systems Conference (ICSSC), 11-15 June 2006 (deadline for papers 23 December 2005).
- 7th International Symposium on Computer Networks (ISCN 2006), 15-16 June 2006, Istanbul, Turkey.
- Second International Workshop on Satellite and Space Communications (IWSSC 2006), 14-15 September 2006, Leganes-Madrid, Spain.

Sandro Scalise, General Chair of ASMS 2006 presents the features of the next conference to be held in Herrsching, Germany. Herrsching is located in a wonderful lake region, near Munich. Building on the previous successful ASMS events, this conference has now become a paramount opportunity for industry and research institutions to get the latest updates and exchange information about recent advances and emerging technologies for mobile, broadband and broadcast satellite communication systems for the academy and the industry. The Conference is organised by the Institute for Communications and Navigation of DLR on behalf of the Advanced Satellite Mobile Systems Task Force (ASMS-TF), in cooperation with ESA-ESTEC, the Satellite Communications Network of Excellence (SatNEx) and the MoSSA Specific Support Action from the European Commission.

Giovanni Giambene, General Chair of IWSSC 2006 highlights the objectives of the workshop, whose aim is to provide a forum for researchers and technologists to present new ideas and contributions in the form of technical papers, panel discussions and tutorials of ideas in the field of satellite communications. It is intended to bring together various satellite communication systems developers to discuss the current status, technical challenges, standards, fundamental issues, and future services and applications in the form of panels and tutorials. IWSSC'06 seeks to address and capture highly innovative and state of the art research from the satellite communications industry. The scope of the workshop includes a wide range of technical challenges in view of the growing interest for satellite access to Internet, multi-media and broadband access to satellite communication systems, the evolution of future satellite communications with access across hybrid platforms, the definition of a cross-layer design for improving the efficiency and the performance of the air interface.

6. SSC Newsletter, Web, Email list, and membership status – Mario Marchese

Mario describes the structure of the new SSC Newsletter:

- How to join SSC Committee and mailing list
- Message from the Chair
- Scanning the World

- Conference Calendar
- Perspective Article dedicated to ISI (The Integral Satcom Initiative) that coordinate efforts in the field of satellite communications, in order to maximize its chances for business consolidation and growth a Technology Platform which is being set up in Europe in view of the upcoming 7th Framework Programme (FP7) of the European Union (EU). Due to the extreme importance of the initiative, all SSC Members are invited to read the Perspective Article and to keep in touch with Prof. Giovanni Corazza, Chairman of the initiative.

Mario presents the updated Web site and the membership status asking for ideas and suggestions to improve the web site and the newsletter.

7. Technical Activities Committee (TAC) Report – Abbas Jamalipour

The TAC meeting was held on Wed, 30 Nov 2005 from 7:30am - 9:00am. Chair: Harvey Freeman, VP Technical Activities
Main discussions were:

- Next VP Technical Activities: Sergio Benedetto
- DLT: now 38 listed, established 6-month cycle, 2-year term
- Fellows: 20/75 from ComSoc 2005
- Emerging technologies: 4 sub-committees elevated to full TCs
- Awards and nominations: 3 awards presented at Globecom2005
- Standards: IEEE P1900.x series for spectrum management and cognitive radio; new event of DySPAN2005, 8-11 Nov 2005
- Currently 20+4 TCs

8. Distinguished Contributions to Satellite Communications Award – Abbas Jamalipour

Abbas presents the purpose of the Award: It 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.

Concerning the Frequency: 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.

Nomination/Application: 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/socstr/org/operation/techcom/ssc/index.html>

Abbas invite the winners of the 2005 Award: **Professor Nemoto and Professor Kato**, to receive the award. Abbas summarizes the motivations and presents the award to the winners.

9. Any Other Business

TC nominations for the 2006 election: to be carried out during ICC2006 in Istanbul.

Nominations and expressions of interest from individual TC members may be sent to the SSC TC chair, Abbas Jamalipour at a.jamalipour@ieee.org by 6 June 2006.

Three officers will be elected: Chair, Vice Chair, Secretary

10. Time and Place of Next Meeting

Next IEEE SSC Committee Meeting will take place at ICC 2006, Istanbul, Turkey, most probably the 13 June 2006 at 12:30-2:00pm. Details to appear on the website around May 2006.

11. Adjourn

Meeting adjourned at 14.20 pm.

(Note: Detailed Attendance List to follow).

Attendance (27 total)

<u>Name</u>	<u>E-mail</u>	<u>Affiliation</u>
Abbas Jamalipour	a.jamalipour@ieee.org	University of Sydney
Mario Marchese	Mario.Marchese@unige.it	University of Genoa

Romano Fantacci
Giovanni Giambene
Daniele Tarchi
Takaya Yamazato
Sastri Kota
Nei Kato
Ruhai Wang
Pascal Lorenz
Igor Bisio
Marcos Bergamo
Franco Davoli
Sandro Scalise
Alessandro Vanelli Coralli
Simone Morosi
Floriano De Rango
Marco Villanti
Raffaella Pedone
Guy Omidyar
Mark Johnson
Michel Bousquet
Gun Akkor
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Harris Corp.
Tohoku University
Lamar University
University of Haute Alsace
University of Genoa
BBN Technologies
University of Genoa
DLR – German Aerospace Center
University of Bologna
University of Florence
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