

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

IEEE GC 2020, - virtual
Date: Friday 18th, Dec. 2020, 07.30-09.00 (EST)
(via zoom)

1. Approval to the Proposed Agenda (Chair, Song Guo)

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 GC 2019 SSC TC Meeting
4. Newly Elected Officers
5. Invited Talk – Prof. Halim Yanikömeroğlu
6. SSC Award Subcommittee
7. SSC Service Award
8. Conference and Workshop Reports:
 - a) GC 2020@Taipei, Taiwan
 - b) ICC 2021@Montreal, Canada
 - c) GC 2021@Madrid, Spaine
 - d) ICC 2022@Seoul, South Korea
9. TC Journal/Magazine
10. SSC Newsletter
11. Web Site, Membership Status, and Email List
12. Adjourn

2. Welcome & Agenda and Minutes Approval

Introduction and Welcome to New Members;
Approval of the Proposed Agenda;
Approval of the Minutes of IEEE GC2020 SSC TC Meeting

3. Newly Elected Officers

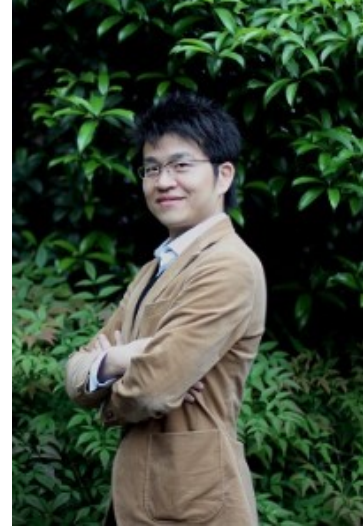
- New officers started their duties on 1 July 2020



Chair:
Song Guo
Hong Kong Polytechnic University
song.guo@polyu.edu.hk



Vice Chair:
Pascal Lorenz
University of Haute Alsace
lorenz@ieee.org



Secretary:
Mianxiong Dong
Muroran Institute of Technology
mx.dong@csse.muroran-it.ac.jp

4. SSCTC Invited Talk

LEO and HAPS Networks 2030s Forecast:



Halim Yanıkömeroğlu
Department of Systems and Computer Engineering
Carleton University
Ottawa, Canada

5. SSCTC Awards Subcommittee

- Updated TC Common P&P:
 - TC Common P&Ps
New provisions added by the TEA-Council.
 - Awards Subcommittee (B.5.6.4.4.e) – Election of Awards Subcommittee members

- ▶ Technical Awards shall be restricted to the scope of the TC hosting them.
 - ▶ TCs that administer an Awards program shall define in their P&Ps:
 - An Awards Subcommittee responsible for the selection of the award recipients
 - The type of awards administered
 - The criteria considered for granting the awards.
 - ▶ The creation of any type of TC Award must be approved by the TEA-Council before being included in the P&Ps.
 - ▶ The roster of the Awards Subcommittee, including members' affiliations, shall be posted on the TC webpage as soon as approved by the TEA-C. [NOTE: No need to also post the email address.]
 - ▶ After awardees' selection is completed, the N&E Subcommittee Chair shall prepare an awards Report. [NOTE: see P&Ps for details]
 - ▶ The TC Chair shall send the Awards Report to the TEA Council for approval.
 - ▶ Only when the Awards Selection has been approved by the TEA Council, and only then, the final award recipients may be notified and the selection outcome publicly announced.
- Awards Subcommittee (B.5.6.4.4.e) – Awards Subcommittee Requirements
- ▶ **Awards Subcommittee Members**
 - The members of the Subcommittee shall be composed of a Chair and four-to-six TC members. [NOTE: Any "TC member" can be an Awards Subcommittee member, not just "TC voting members." Furthermore, "TC members" are voting members of the Subcommittee even if they are not "TC voting members."]
 - The TEA Council has the authority to change one or more of the Subcommittee members when needed, e.g., to satisfy diversity criteria.
 - At most one Subcommittee member can be chosen among the elected TC Officers, except the TC Chair.
 - Subcommittee members shall:
 - Serve for two years concurrently with the nominal term of the TC Chair, with reappointment to at most one additional two-year term.
 - Not serve simultaneously on the Awards Subcommittee of more than two TCs.
 - Real or perceived Conflicts-of-Interest (COIs) between Awards Subcommittee members and awards nominees shall be disclosed to all other subcommittee members.
 - In case of real or perceived COI, the conflicted Subcommittee member shall recuse him/her-self from any and all discussions related to the award to which such nominees were nominated. [NOTE: See P&Ps for a non-exhaustive list of COIs.]
- Awards Subcommittee (B.5.6.4.4.e) – Election of Awards Subcommittee members
 - Subcommittee members shall always meet in Executive Session and its deliberations, as well as all documents submitted to or created by the Subcommittee, shall be strictly confidential.
 - Only the final award recipients shall be openly announced.
- ▶ All Subcommittee members shall be elected by the TC and are subject to approval by the TEA Council.
 - [NOTE1: Only TC voting members can vote to elect the Awards Subcommittee members.]
 - [NOTE2: You must specify the chosen election method in the P&Ps. Various ways to do this, for example: the TC Chair proposes the candidates and the TC votes to approve or not the slate (email vote can also be used). TC members can nominate themselves to serve on the Subcommittee and then the TC voting members elects them, e.g. using a [Single Transferable Vote](#) method to elect all Subcommittee members with a single vote.]

- SSCTC P&Ps Update
 - Old Version:

A selection committee consisting of SSC TC officers (Chair, Vice-Chair, Secretary) and two other SSC TC members, usually Past Chairs, nominated by the SSC TC Chair, will decide about the applications in mid-October each year. If an application is received from one of the members of the selection committee or one of the members could have a conflict of interest (i.e., same affiliation of the candidate), the SSC TC Chair will allocate a replacement, again usually among Past Chairs. The committee will select two awardees, one as the main awardee and the second as the reserved awardee.
 - Updated version:

SSC TC will follow the TC Common P&Ps (B.5.6.4.4.e) for election of Awards Subcommittee which will conduct the awards selection procedure.
- TEA Council and SSC voting members approved the roster of SSCTC Awards Subcommittee:
 - Chair: Pascal Lorenz (Vice Chair of SSCTC)
 - Member: Igor Bisio (Past Chair of SSCTC)
 - Member: Nei Kato (Past Chair of SSCTC)
 - Member: Takaya Yamazato (Past Chair of SSCTC)
 - Member: Abbas Jamalipour (Past Chair of SSCTC)

6. SSC Technical Recognition Award

The “Satellite Communications Distinguished Service Award” for year 2020 is awarded to:

- Dr. Tomaso de Cola

For the contribution to the satellite and space communication topics and the outstanding support to the main activities of the SSC technical committee.
- Tomaso de Cola - Leadership and Services Subcommittee:
 - SSC TC Chair for two terms
 - Journal
 - IEEE CL: Senior Editor
 - IEEE WCL, IEEE Systems., IEEE Network, IEEE TVT: Editor
 - IEEE JSAC, IEEE Network, IEEE WCM, IEEE IoTJ: Guest Editor
 - Conference
 - ASMS/SPSC conference: TPC co-chair and publicity chair (20/18/16)
 - ASMS/SPSC conference: Workshop chair (2014)
 - IEEE Globecom SAC-SSC track (14/15/16/17)
 - IEEE ICC SAC-SSC track (2015)
 - European Wireless 2021: TPC co-chair
 - ICC'21 SatMegaConstellation Workshop TPC co-chair
 - WCNC'21 INTERNET OF INTEGRATED SPACE-TERRESTRIAL INTELLIGENT SYSTEMS AND APPLICATIONS Workshop TPC co-chair

7. Conference and Workshop Reports

GC 2020 (Taipei, Taiwan)

GITC has accepted the following nomination:

- **Prof. Igor Bisio (University of Genoa): SAC-SSC track**

Number of submissions:

- 61

Number of accepted papers:

- 24

ICC 2021 (Montreal, Canada)

The TC accepted the following nominations:

- Prof. Mianxiong Dong, Muroran Institute of Technology, Japan: SAC-SSC track

GC 2021 (Madrid, Spain)

The TC has proposed the two following nominations:

- Prof. Min Lin: SAC-SSC
- Prof. Guan Gui: Wireless Communications

Confirmation for the SAC-SSC representative

ICC 2022 (Seoul, South Korea)

The TC has proposed the two following nominations:

- Prof. Andreas Knopp: SAC-SSC
- Prof. Pascal Lorenz: Mobile and Wireless Network symposium or for the Wireless Communications

Confirmation still pending

8. TC Journal/Magazine

CONFERENCES CALENDAR

CONFERENCE	DATE & LOCATION	INFORMATION
SPECTS 2021 International Symposium on Performance Evaluation of Computer and Telecommunication Systems	TBD	http://atc.udg.edu/SPECTS2021/
ITC 2021 33 rd International Teletraffic Congress	Aug. 31st - Sep. 3rd 2021, Avignon, France	http://itc33.org/
CITS 2021 International Conference on Computer, Information and Telecommunication Systems	July 29-31, 2021, Istanbul, Turkey	http://atc.udg.edu/CITS2021/
ICL-GNSS 2021 International Conference on Localization and GNSS	1-3 June 2021, Tampere, Finland	https://events.tuni.fi/icl-gnss2021/
PIMRC 2021 IEEE International Symposium on Personal, Indoor and Mobile Radio Communications	13-16 September 2021, Helsinki, Finland	http://pimrc2021.ieee-pimrc.org/
Ka-Band/ICSSC 2021 The 26th Ka and Broadband Communications Conference and the 38th International Communications Satellite Systems Conference (ICSSC)	September 27 -30, 2021, Arlington, USA	http://www.kaconf.org/
VTC-Spring 2021 2021 IEEE Vehicular Technology Conference (VTC-Spring)	25 - 28 April 2021, Helsinki, Finland,	https://events.vtsociety.org/vtc2021-spring/

TC Journal/Magazine Activities
IEEE Network SI on “Artificial Intelligence Empowered Future Connection”, closed:

- Composed guest editorial board:
 - **Song Guo**, The Hong Kong Polytechnic University, Hong Kong, China
 - Haipeng Yao, Beijing University of Posts and Telecommunications, China
 - Manqing Wu, China Electronics Technology Group Corporation, China
 - Sherman Shen, University of Waterloo, Canada
 - Yuanyuan Yang, Stony Brook University, USA
 - **Pascal Lorenz**, University of Haute-Alsace, France

IEEE IoTJ SI on “M2M/IoT Services over Satellite Networks”, deadline extended to 15 January 2021:

- Composed guest editorial board:
 - Dr. **Tomaso de Cola**, German Aerospace Center, Germany (GE Leader)
 - Prof. **Igor Bisio**, University of Genoa, Italy
 - Prof. **Song Guo**, Hong Kong Polytechnic University
 - Mr. Frank Zimmer, SES S.A., Luxembourg
 - Mr. Wen Cheng Chong, Kepler Communications, Canada
 - Prof. **Mianxiong Dong**, Muroran Institute of Technology, Japan

IEEE Network SI on “Space Information Networks: Technological Challenges, Design Issues, and Solutions”, deadline 31 January 2021:

- Composed guest editorial board:
 - Kaiping Xue, University of Science and Technology of China, China
 - **Tomaso de Cola**, German Aerospace Center (DLR), Germany
 - David S. L. Wei, Fordham University, USA
 - Ana Pérez-Neira, Centre Tecnològic de Telecommunications de Catalunya, Spain
 - Hossam S. Hassanein, Queen's University, Canada
 - Linling Kuang, Tsinghua Space Center, Tsinghua University, Beijing, China
 - Symeon Chatzinotas, University of Luxembourg, Luxembourg

IEEE Network SI on “In-Network Computing: Emerging Trends for the Edge-Cloud Continuum”, deadline 31 January 2021:

- Composed guest editorial board:
 - Deze Zeng, China University of Geosciences, China
 - Nirwan Ansari, New Jersey Institute of Technology, USA
 - Marie-José Montpetit, Concordia University, Canada
 - Eve M. Schooler, Intel Corporation, USA
 - **Daniele Tarchi**, University of Bologna, Italy

IEEE ACCESS SI on “Internet of Space: Communication Systems for Future Space-based Internet Services”, under preparation:

- Composed guest editorial board:
 - **Mianxiong Dong** (Muroran Institute of Technology, Japan)
 - Paulo Mendes (Airbus, Germany),
 - Rute C. Sofia (fortiss GmbH, Germany),
 - Vassilis Tsaoussidis (Democritus University of Thrace, Greece),
 - Scott Burleigh (California Institute of Technology, USA)

Review still ongoing

New ideas, proposals, suggestions are very welcome!!!

9. SSC Newsletter (Vice-Chair: Pascal Lorenz)

- SSC Committee Meetings
- GC 2020 SSC Activities
- Message from the Chair, *Prof. S. Gu*
- Scanning the World, *Prof. P. Lorenz*
- Forthcoming ICC and GLOBECOM, and Cosponsoring/Related Conferences and Workshops
- Conference Calendar
- Perspective Article: “*Standards for Optical Space Communication*” by Dr. D. Giggenbach, German Aerospace Center (DLR), coordinated by Andreas Knopp, the TC Newsletter Representative for SSC

SATELLITE AND SPACE COMMUNICATIONS

<http://committees.comsoc.org/ssc/>



**IEEE
COMMUNICATIONS
SOCIETY**



SSC

SSC Newsletter

Vol. 30, No. 2, December 2020

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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).

SATELLITE & SPACE

- JOIN US -

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

ONLINE MEETING URL:
<https://zoom.us/j/91842398316?pwd=RXc3VlISb1JjUD-FEUIh0RWVHTFoyQT09>

Time: Friday, Dec 18, 2020
07:30 AM - 9:00 AM EST (NEW YORK)

Future SSC Meetings

June 2021, Montreal, Canada
December 2021, Madrid, Spain

GLOBECOM 2020 SSC Committee Activities: Symposium on Selected Areas in Communications:

SAC-SSC1 *Wednesday, December 9, 11:00 - 12:30 Taipei, Taiwan Time Zone*

SAC-SSC2 *Wednesday, December 9, 14:00 - 15:30 Taipei, Taiwan Time Zone*

SAC-SSC3 *Wednesday, December 9, 16:00 - 17:30 Taipei, Taiwan Time Zone*

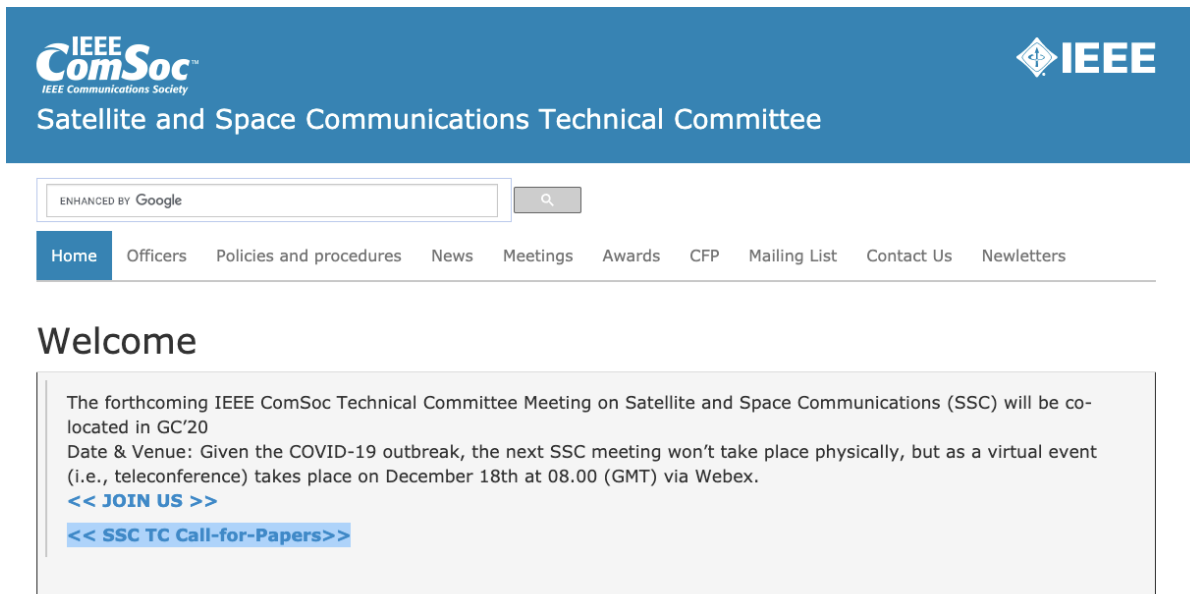
SAC-SSC4 *Thursday, December 10, 11:00 - 12:30 Taipei, Taiwan Time Zone*

SAC-SSC5 *Thursday, December 10, 14:00 - 15:30 Taipei, Taiwan Time Zone*

<http://committees.comsoc.org/ssc/>

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10. Web Site, Membership Status and Mailing-List (Secretary: Mianxiong Dong)



The screenshot shows the IEEE ComSoc website for the Satellite and Space Communications Technical Committee. The header includes the IEEE ComSoc logo and the IEEE logo. Below the header is a search bar and a navigation menu with links for Home, Officers, Policies and procedures, News, Meetings, Awards, CFP, Mailing List, Contact Us, and Newsletters. The main content area has a 'Welcome' heading and a text box containing the following information:

The forthcoming IEEE ComSoc Technical Committee Meeting on Satellite and Space Communications (SSC) will be co-located in GC'20
 Date & Venue: Given the COVID-19 outbreak, the next SSC meeting won't take place physically, but as a virtual event (i.e., teleconference) takes place on December 18th at 08.00 (GMT) via Webex.
[<< JOIN US >>](#)
[<< SSC TC Call-for-Papers >>](#)

- a) Web site: <http://ssc.committees.comsoc.org/>
- b) Membership Status: **400+ members**
- c) E-mail list: ssc@comsoc.org

11. Time and Place of Next Meeting

The next meeting will be held at IEEE ICC 2021, Montreal, Canada

Attendance List

Name	Affiliation	Email Address
Song Guo	Hong Kong Polytechnic University	song.guo@polyu.edu.hk
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