

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

IEEE GC 2021, - virtual
Date: Monday 22th, Nov. 2021, 08.00-09.00 (EST)
(via zoom)

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

The proposed agenda of the meeting is shown below.

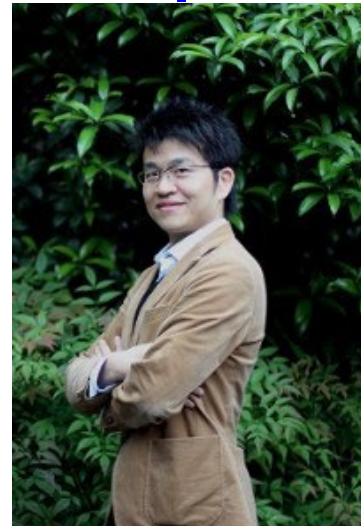
1. Introduction and Welcome to New Members
2. Approval of the Proposed Agenda
3. Approval of the Minutes of ICC 2021 SSC TC Meeting
4. Special Interest Group (SIG)
5. Conference and Workshop Reports
6. Journal/Magazine Reports
7. SSC Newsletter
8. Web Site, Membership Status, and Email List
9. Election
10. Adjourn

2. Welcome & Agenda and Minutes Approval

- Introduction and Welcome to New Members
- Approval of the Proposed Agenda
- Approval of the Minutes of IEEE ICC2021 SSC TC Meeting
<https://ssc.committees.comsoc.org/files/2021/11/sscmin20210720.doc>

3. SSC TC Officers

- Term: 1 July 2020 – 30 June 2022



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. Special Interest Group

- SIG on Orthogonal Time Frequency Space (OTFS-SIG)
 - Proposed by Prof. Weijie Yuan from the Southern University of Science and Technology, China
 - Proved in July 2021

Name	Role	Affiliation
Weijie Yuan	Chair	Southern University of Science and Technology
Emanuele Viterbo	Vice-Chair	Monash University
Giulio Colavolpe	Vice-Chair	University of Parma
Ronny Hadani	Vice-Chair	Cohere Technologies
Zhiqiang Wei	Vice-Chair	Friedrich-Alexander-University of Erlangen-Nuremberg
Shuangyang Li	Secretary	University of New South Wales

- SIG on *Satellite Mega-constellations: Communications and Networking*
 - Proposed by Prof. Güneş Karabulut-Kurt from Polytechnique Montréal, Canada

5. Conference and Workshop Reports

GC 2021 (Madrid, Spain)

The TC has proposed the following nominations:

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

ICC 2022 (Seoul, South Korea)

The TC has proposed the following nominations:

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

- Number of submissions: 70 (new record)
- Expected acceptance rate: 10/70
- % of papers with international collaboration: 14
- Total number of authors: 313
- Average number of authors per paper: $\approx 3,5$

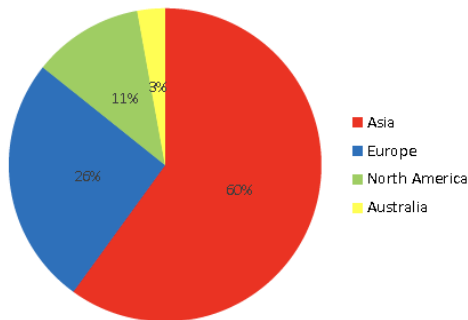


Figure 1: Distribution of papers per continent. (based on the first author)

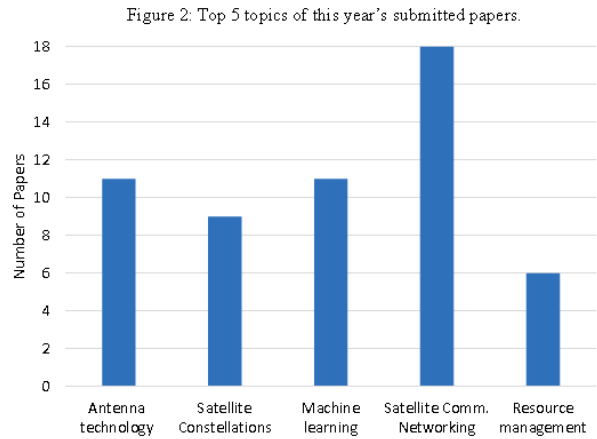


Figure 2: Top 5 topics of this year's submitted papers.

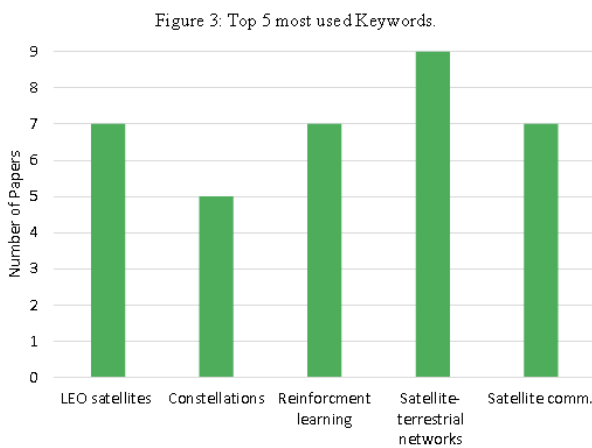


Figure 3: Top 5 most used Keywords.

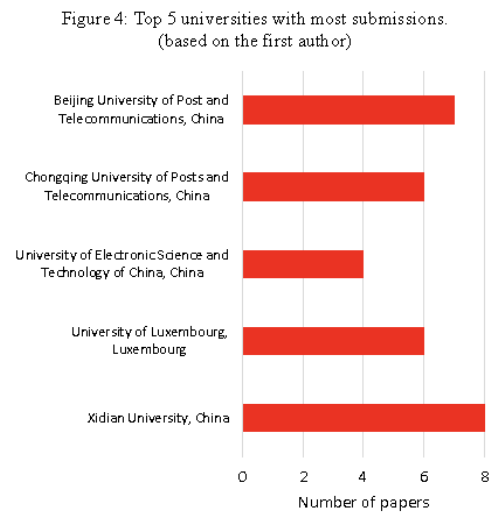


Figure 4: Top 5 universities with most submissions. (based on the first author)

GC 2022 (Rio de Janeiro, Brazil)

The TC has proposed the following nominations:

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

ICC 2023 (Rome, Italy)

The TC has proposed the following nominations:

- Prof. Igor Bisio: SAC-SSC (Approved)
- Prof. Shigeng Zhang: IoT & Sensor Networks; Mobile & Wireless Networks

Confirmation still pending

6. TC Journal/Magazine

IEEE IoTJ SI on “M2M/IoT Services over Satellite Networks”, closed:

- 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”, closed:

- 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”, closed:

- 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 Network SI on “Artificial Intelligence Empowered Future Connection”, closed:

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

Review still ongoing


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

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




- SSC Committee Meetings
- ICC 2021 SSC Activities
- Message from the Chair, *Prof. Song Guo*

- Scanning the World, *Prof. P. Lorenz*
- Forthcoming ICC and GLOBECOM, and Cosponsoring/Related Conferences and Workshops
- Conference Calendar
- Perspective Article: “*Orthogonal Time Frequency Space Modulation for Satellite and Space Communications*” by Dr. Weijie Yuan, Southern University of Science and Technology

SATELLITE AND SPACE COMMUNICATIONS
<http://committees.comsoc.org/ssc/>



**IEEE
COMMUNICATIONS
SOCIETY**

SSC

SSC Newsletter **Vol. 31, No. 2, December 2021**

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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/94895030159>

Time: Monday, Nov 22, 2021
 08:00 AM - 9:00 AM EST (NEW YORK)

Future SSC Meetings

June 2022, Seoul, South Korea
 December 2022, Rio de Janeiro, Brazil

GLOBECOM 2021 SSC Committee Activities:
Symposium on Selected Areas in Communications:

SAC-SSC1 *Wednesday, December 8, 11:00 - 12:30 Madrid, Madrid Time Zone*

SAC-SSC2 *Wednesday, December 8, 14:00 - 15:30 Madrid, Madrid Time Zone*

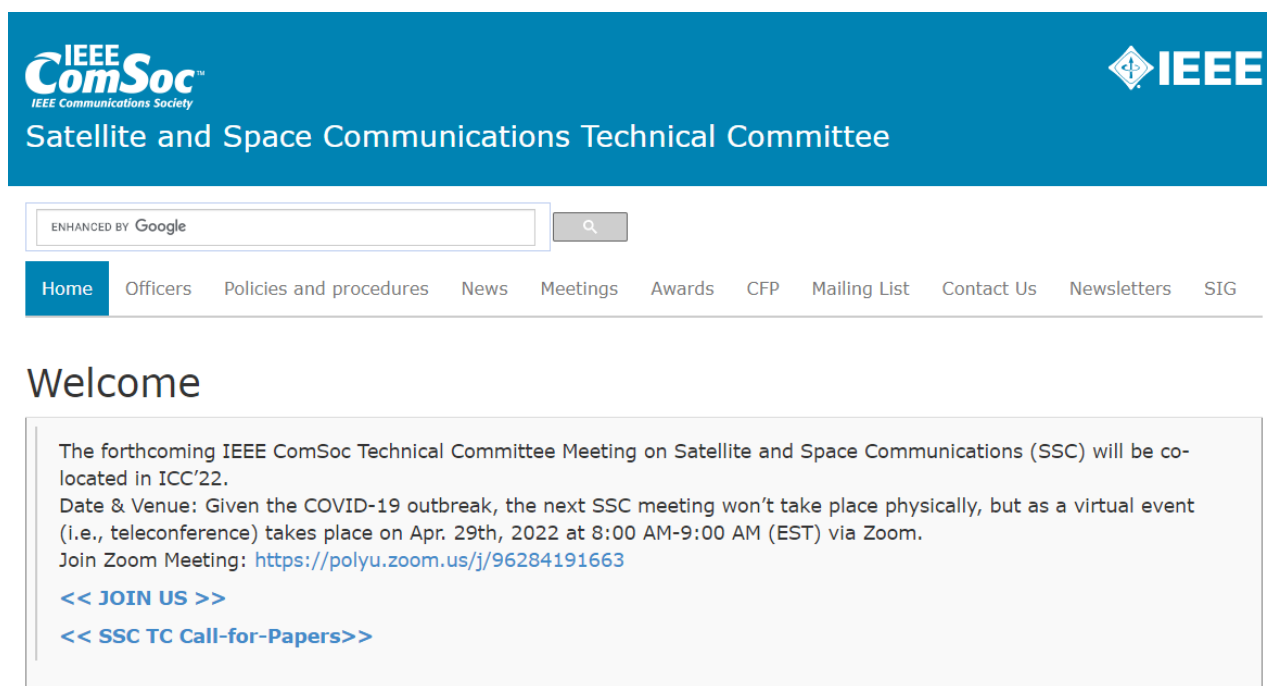
SAC-SSC3 *Thursday, December 9, 09:00 - 10:30 Madrid, Madrid Time Zone*

SAC-SSC4 *Thursday, December 9, 11:00 - 12:30 Madrid, Madrid Time Zone*

SAC-SSC5 *Friday, December 10, 09:00 - 10:30 Madrid, Madrid Time Zone*

SAC-SSC6 *Friday, December 10, 14:00 - 15:30 Madrid, Madrid Time Zone*

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



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Satellite and Space Communications Technical Committee

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Welcome

The forthcoming IEEE ComSoc Technical Committee Meeting on Satellite and Space Communications (SSC) will be co-located in ICC'22.
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 Apr. 29th, 2022 at 8:00 AM-9:00 AM (EST) via Zoom.
Join Zoom Meeting: <https://polyu.zoom.us/j/96284191663>

[<< JOIN US >>](#)
[<< SSC TC Call-for-Papers>>](#)

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

9. Election

- The term of the current officers is concluding in Spring 2022
- New elections will be done online likely from March onwards, in order to announce the new officer during the upcoming ICC'22
- The new officers then will start their duties right afterwards

Call for volunteers to be open soon!

10. Time and Place of Next Meeting

The next meeting will be held at IEEE ICC 2022, Seoul, South Korea

Attendance List

Name	Affiliation	Email Address
Song Guo	Hong Kong Polytechnic University	song.guo@polyu.edu.hk
Pascal LORENZ	University of Haute Alsace	lorenz@ieee.org
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