

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

IEEE ICC 2021, - virtual  
Date: Tuesday 20<sup>th</sup>, Jul. 2021, 07.00-08.30 (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 2020 SSC TC Meeting
4. Officers and SSC Award Subcommittee
5. Spotlight Talk – Prof. Chunxiao Jiang
6. SSC Technical Recognition Award
7. Special Interest Group (SIG)
8. Conference and Workshop Reports
9. Journal/Magazine Reports
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:  
<https://ssc.committees.comsoc.org/files/2020/12/sscmin20201218.pdf>

**3. SSC TC Officers**

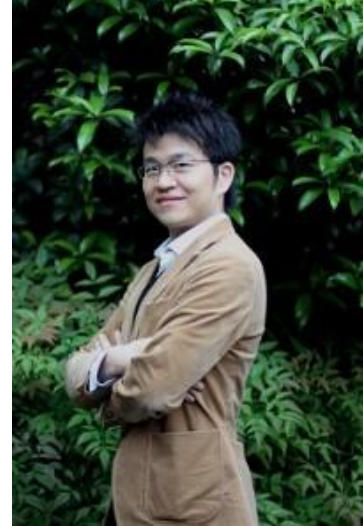
- Term: 1 July 2020 – 30 June 2022



**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. SSCTC Awards Subcommittee

- Updated TC Common P&P:
- 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)

#### 5. SSCTC Spotlight Talk

Integrated Satellite-Terrestrial Networks Towards 6G: Architectures, Applications, and Challenges:



Chunxiao Jiang

School of Information Science and Technology  
Tsinghua University  
Beijing, China

## **6. SSC Technical Recognition Award**

The “Satellite Communications Technical Recognition Award ” for year 2021 is awarded to:

- Dr. Bassel F. Beidas

For the outstanding technical contributions to satellite communications and the great support to overall SSC TC activities.

- Bassel F. Beidas – Technical Contributions:
  - Dr. Beidas’ 2002 IEEE TCOM publication was among the first to initiate a major shift in operating satellite systems with intentional adjacent channel interference (ACI) to maximize spectral efficiency.
  - Dr. Beidas’ 2019 IEEE TCOM publication contributed to attaining Terabit-per-second satellite throughput while reducing the cost per bit to ensure the system’s economic viability.
  - Dr. Beidas’ 2020 IEEE TCOM publication has addressed aggressive frequency reuse in multibeam satellite systems to alleviate the tremendous spectrum scarcity problem as well as to provide service flexibility and ubiquitous connectivity.
  - Dr. Beidas is the primary inventor of 28 issued U.S.
  - Dr. Beidas’ work has been utilized for compensation solutions by prolific researchers worldwide.
  - Dr. Beidas has made significant technical contributions that influenced global standards development.

## **7. 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

### **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 following nominations:

- Prof. Min Lin: SAC-SSC (Approved)
- 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

### **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. Peng Li: SAC-SSC
- Prof. Shigeng Zhang: IoT & Sensor Networks; Mobile & Wireless Networks

## **8. TC Journal/Magazine**

### **CONFERENCE CALENDAR**

<b>CONFERENCE</b>	<b>DATE &amp; LOCATION</b>	<b>INFORMATION</b>
<b>SPECTS 2021</b> International Symposium on Performance Evaluation of Computer and Telecommunication Systems	July 19-22, 2021 Fairfax, Virginia, USA	<a href="http://atc.udg.edu/SPECTS2021/">http://atc.udg.edu/SPECTS2021/</a>
<b>ITC 2021</b> 33 <sup>rd</sup> International Teletraffic Congress	Aug. 31st - Sep. 3rd 2021, Avignon, France	<a href="http://itc33.org/">http://itc33.org/</a>
<b>CITS 2021</b> International Conference on Computer, Information and Telecommunication Systems	July 29-31, 2021, Istanbul, Turkey	<a href="http://atc.udg.edu/CITS2021/">http://atc.udg.edu/CITS2021/</a>
<b>ICL-GNSS 2021</b> International Conference on Localization and GNSS	1-3 June 2021, Tampere, Finland	<a href="https://events.tuni.fi/icl-gnss2021/">https://events.tuni.fi/icl-gnss2021/</a>
<b>PIMRC 2021</b> IEEE International Symposium on Personal, Indoor and Mobile Radio Communications	13-16 September 2021, Helsinki, Finland	<a href="http://pimrc2021.ieee-pimrc.org/">http://pimrc2021.ieee-pimrc.org/</a>
<b>Ka-Band/ICSSC 2021</b> The 26th Ka and Broadband Communications Conference and the 38th International Communications Satellite Systems Conference (ICSSC)	September 27 -30, 2021, Arlington, USA	<a href="http://www.kaconf.org/">http://www.kaconf.org/</a>
<b>VTC-Spring 2021</b> 2021 IEEE Vehicular Technology Conference (VTC-Spring)	25 - 28 April 2021, Helsinki, Finland,	<a href="https://events.vtsociety.org/vtc2021-spring/">https://events.vtsociety.org/vtc2021-spring/</a>

## TC Journal/Magazine Activities

### 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, 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)

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

## **9. 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: “*Integrated Satellite-Terrestrial Networks Towards 6G*” by Dr. Chunxiao Jiang, Tsinghua University

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## SATELLITE AND SPACE COMMUNICATIONS

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



IEEE  
COMMUNICATIONS  
SOCIETY



SSC Newsletter

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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).

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## SATELLITE & SPACE

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### - JOIN US -

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

ONLINE MEETING URL:  
<https://zoom.us/j/91984872472?pwd=VDBH-VEI1ZktZc0FTdlBqZDFwRjdLZz09>

**Meeting ID: 919 8487 2472**  
**Passcode: 051607**

**Time:** Tuesday, July 20, 2021  
 07:00 AM - 9:00 AM EST

### ICC 2021 SSC Committee Activities:

Symposium on Selected Areas in Communications:

**SAC-SSC1** Tuesday, June 15, 2021, 11:50 - 1:10  
 Montreal, Canada Time Zone

**SAC-SSC2** Wednesday, June 16, 2021, 10:00 - 11:50  
 Montreal, Canada Time Zone

**SAC-SSC3** Wednesday, June 16, 2021, 11:50 - 1:10  
 Montreal, Canada Time Zone

**SAC-SSC4** Thursday, June 17, 2021, 11:50 - 1:10  
 Montreal, Canada Time Zone

**SAC-SSC5** Thursday, June 17, 2021, 11:50 - 1:10  
 Montreal, Canada Time Zone

### Future SSC Meetings

December 2021, Madrid, Spain  
 May 2022, Seoul, Korea

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

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

The screenshot shows the website header with the IEEE ComSoc logo and the IEEE logo. Below the header is a search bar and a navigation menu with links: Home, Officers, Policies and procedures, News, Meetings, Awards, CFP, Mailing List, Contact Us, and Newsletters. The main content area features a 'Welcome' section with 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 ICC'21.  
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 July 20th at 07.00 – 09.00am (EDT) via Zoom.  
Join Zoom Meeting: <https://zoom.us/j/91984872472?pwd=VDBHVEI1ZktZc0FTdlBqZDFwRjdLZz09>

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

For information and suggestions, please send an e-mail to the [Webmaster](#).  
The SSC Technical Committee meets at the two main IEEE ComSoc conferences each year, ICC and Globecom. Our meetings are normally on the second day of the technical program in the morning. Please consult the official committee schedule available at the conference for final date, time and location. **Note that you may be an active and valuable member of the committee without attending these conferences. Please review the information on this web site to find areas of involvement that interest you.**

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

## 11. Time and Place of Next Meeting

The next meeting will be held at IEEE GC 2021, Madrid, Spain