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

IEEE ICC 2021, - virtual  
Date: Tuesday 20th, 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:  

3. SSC TC Officers

- Term: 1 July 2020 – 30 June 2022
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**

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### CONFERENCES CALENDAR

<table>
<thead>
<tr>
<th>CONFERENCE</th>
<th>DATE &amp; LOCATION</th>
<th>INFORMATION</th>
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</thead>
<tbody>
<tr>
<td>SPECTS 2021</td>
<td>July 19-22, 2021, Fairfax, Virginia, USA</td>
<td><a href="http://atc.udg.edu/SPECTS2021/">Link</a></td>
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<tr>
<td>International Symposium on Performance Evaluation of Computer and Telecommunication Systems</td>
<td>Fairfax, Virginia, USA</td>
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<tr>
<td>ITC 2021</td>
<td>Aug. 31st - Sep. 3rd, 2021, Avignon, France</td>
<td><a href="http://itc33.org/">Link</a></td>
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<tr>
<td>33rd International Teletraffic Congress</td>
<td>Avignon, France</td>
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<tr>
<td>CITTS 2021</td>
<td>July 29-31, 2021, Istanbul, Turkey</td>
<td><a href="http://atc.udg.edu/CITTS2021/">Link</a></td>
</tr>
<tr>
<td>International Conference on Computer, Information and Telecommunications Systems</td>
<td>Istanbul, Turkey</td>
<td></td>
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<tr>
<td>ICL-GNSS 2021</td>
<td>1-3 June 2021, Tampere, Finland</td>
<td><a href="https://events.tuni.fi/iclgns2021/">Link</a></td>
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<tr>
<td>International Conference on Localization and GNSS</td>
<td>Tampere, Finland</td>
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<tr>
<td>PIMRC 2021</td>
<td>13-16 September 2021, Helsinki, Finland</td>
<td><a href="http://pimrc2021.ieee-pimrc.org/">Link</a></td>
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<tr>
<td>IEEE International Symposium on Personal, Indoor and Mobile Radio Communications</td>
<td>Helsinki, Finland</td>
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<tr>
<td>Ka-Band/ICSSC 2021</td>
<td>September 27-30, 2021, Arlington, USA</td>
<td><a href="http://www.kaconf.org/">Link</a></td>
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<tr>
<td>The 26th Ka and Broadband Communications Conference and the 38th International Communications Satellite Systems Conference (ICSSC)</td>
<td>Arlington, USA</td>
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<tr>
<td>VTC-Spring 2021</td>
<td>25 - 28 April 2021, Helsinki, Finland,</td>
<td><a href="https://events.vtsociety.org/2021-spring/">Link</a></td>
</tr>
<tr>
<td>2021 IEEE Vehicular Technology Conference (VTC-Spring)</td>
<td>Helsinki, Finland</td>
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TC Journal/Magazine Activities

IEEE IoTJ SI on “M2M/IoT Services over Satellite Networks”, closed:
• Composed guest editorial board:
  • Dr. Tomas 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
  • Tomas de Cola, German Aerospace Center (DLR), Germany
  • David S. L. Wei, Fordham University, USA
  • Ana Pérez-Neira, Centre Tecnològic de Telecomunicacions 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

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**

**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

**- 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-VExlZkZc0FTidBqZDFwRjdLZz09
Meeting ID: 919 8487 2472
Passcode: 051607

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

Future SSC Meetings
December 2021, Madrid, Spain
May 2022, Seoul, Korea
10. Web Site, Membership Status and Mailing-List (Secretary: Mianxiong Dong)

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 GC 2021, Madrid, Spain