

IEEE Communications Society Technical Committee on
Signal Processing and Communications Electronics
Technical Committee (SPCE)

NEWSLETTER

Issue 5 – May 2019

Dear Signal Processing and Communications Electronics colleagues:

Welcome to the fifth issue of the SPCE Technical Committee Newsletter. It is conceived as a way to share important information for the members of the committee and to have some brief contact approximately every six months. We would like it to be a useful communication tool so it will be brief and at the same time open for everybody to contribute.

Please feel free to send us any piece of news that you believe can be of interest for our community.

Kindest regards,

Xiangwei Zhou

xwzhou@lsu.edu

SPCE TC Newsletter Editor

1. Contact information

The Officers of the SPCE TC are:

Chair:

Xianbin Wang
Western University

Standards Liaison:

George C. Alexandropoulos
National and Kapodistrian University of Athens

Vice Chair:

Jingxian Wu
University of Arkansas

Newsletter Editor:

Xiangwei Zhou
Louisiana State University

Secretary:

Ana Garcia Armada
University Carlos III of Madrid, Spain

Student Competition Representative:

Sinem Coleri Ergen
Koc Univeristy, Turkey

Please refer to our web page for further information:

<http://spce.committees.comsoc.org/officers/>

How to join SPCE Committee and mailing list

Membership on the IEEE SPCE TC is open to all members of the IEEE Communications Society who share an interest in signal processing in communications.

To join the SPCE, you simply subscribe to the SPCE mailing list by using the following link:

<https://comsoc-listserv.ieee.org/cgi-bin/wa?SUBED1=spce&A=1>

2. Message from the Chair

Dear SPCE Members,

This is the fifth issue of the SPCE TC newsletter, which provides information about the exciting activities which our committee is involved in. We hope to further increase the number and type of activities, and for that we rely on your support. Please, contact us with any ideas about new activities.

Recently, IEEE Communications Society has required all TC members to provide TC member information. As a member of the SPCE TC and subscriber of the SPCE TC mailing list, you are requested to fill in the TC member information below.

<https://www.comsoc.org/form/comsoc-technical-committee-member>

Please use this link and check "Signal Processing & Communications Electronics". You may check multiple TCs if you are actively involved. The deadline for filling the form is May 30, 2019. Please note completing this form is critical for your future involvement in SPCE activities as a member including voting, nomination from the TC, representative of the TC, conference/workshop endorsement, etc.

Thank you for your support of the SPCE TC!

Look forward to seeing you at the SPCE TC meeting at ICC 2019.

Best regards,

Xianbin Wang

3. Committee meetings

Last SPCE TC meeting was held at IEEE Globecom, Abu Dhabi, United Arab Emirates, on December 9, 2018. The minutes are available here:

<http://spce.committees.comsoc.org/meeting-reports/globecom-2018/>

Next SPCE TC meeting will be held at IEEE ICC in Shanghai, China, on Thursday, May 23, 2019, 12:00-14:30, Nanjing Room, Level 3, Pudong Shangri-La Hotel, with the following agenda:

- Welcome & Introduction
- Approval of Meeting Minutes from Globecom 2018
- Technical Program Committee Reports
- SIG Activity Reports
- SPCE TC Newsletter
- Any Other Business

4. Committee awards

The following two awards are granted on a yearly basis by the SPCE TC:

IEEE SPCE Technical Recognition Award

To recognize and encourage continuous and outstanding services to the technical activities sponsored and endorsed by the SPCE Technical Committee.

IEEE SPCE Outstanding Service Award

The award recognizes members of the IEEE Communications Society who have made outstanding contributions to the technological advancement of signal processing for communications.

Please find additional information here:

<http://spce.committees.comsoc.org/awards/awards-by-laws-procedures/>

and the list of past recipients:

<http://spce.committees.comsoc.org/awards/>

5. Conferences

Flagship conferences

- Next IEEE ICC will be held in Shanghai, China, 20-24 May, 2019.

<https://icc2019.ieee-icc.org/>

SPCE sponsors this conference and appointed the following representatives:

Jingxian Wu (Signal Processing for Communications Co-chair)

Feifei Gao (Wireless Communications Co-chair)

For the Signal Processing for Communications (SPC) symposium at ICC 2019, 169 papers have been submitted and have been reviewed by 310 TPC members. The number of accepted papers is 65 with 38.5% acceptance rate.

For the Wireless Communications (WC) symposium at ICC 2019, 428 papers have been submitted and have been reviewed by 636 TPC members. The number of accepted papers is 170 with 39.7% acceptance rate.

- Next IEEE Globecom will be held in Waikoloa, Hawaii, 9-13 December 2019.

<https://globecom2019.ieee-globecom.org/>

SPCE sponsors this conference and appointed the following representatives:

Ana Garcia Armada (Signal Processing for Communications Co-chair)

Haijun Zhang (Signal Processing for Communications Co-chair)

Other related conferences/special issues

SPCE sponsors the following conferences:

- International Conference on Computing, Networking and Communications (ICNC 2019)
(Honolulu, Hawaii, USA, February 2019)
SPCE representatives:
 - Stefano Basagni, Northeastern University
 - Ebrahim Bedeer, Ulster University, Northern Ireland
 - Hsiao-Chun Wu, Louisiana State University

<http://www.conf-icnc.org/2019/>
- International Conference on Wireless Communications and Signal Processing (WCSP 2019)
(Hangzhou, China, October 2019)
SPCE representatives:
 - Hai Lin, Osaka Prefecture University, Japan
 - Lajos Hanzo, University of Southampton, UK
 - Jinhong Yuan, University of New South Wales, Australia

<http://www.ic-wcsp.org/>
- IEEE International Conference on Wireless for Space and Extreme Environments (WiSEE 2019)
(Ottawa, Canada, October 2019)
SPCE representatives:
 - Marco Chiani, University of Bologna, Italy
 - Rui Dinis, University Nova de Lisboa, Portugal
 - Xu Zhu, University of Liverpool, UK
 - Yik-Chung Wu, The University of Hong Kong, Hong Kong

<http://sites.ieee.org/wisee-2019/>
- IEEE International Conference on Signal Processing and Communication Systems (ICSPCS 2019)
(Surfers Paradise, Australia, December 2019)

SPCE representatives:

- Octavia Dobre, Memorial University
- Takahiko Saba, Chiba Institute of Technology, Japan
- Tadeusz Wysocki, University of Nebraska-Lincoln

https://dspcs-witsp.com/icspcs_2019/index.html

- IEEE International Conference on Wireless for Space and Extreme Environments (WiSEE 2020)

(Location and dates TBD)

SPCE representatives:

- Tarik Taleb, Aalto University, Finland
- Telex M. N. Ngatched, Memorial University of Newfoundland,
- Xiangwei Zhou, Louisiana State University
- Zhu Han, University of Houston

<http://sites.ieee.org/wisee-2020/>

6. Standardization activities

SPCE TC welcomes its members to become part of the IEEE standard activities.

It also welcomes all volunteers from standardization groups to participate to the SPCE TC activities.

Updates on the three Technical Specification Groups (TSG) and their Working Groups (WGs) in [3rd Generation Partnership Project \(3GPP\)](#) are available online:

- [Radio Access Networks \(RAN\)](#): Next meeting information and previous meeting reports and documents are available [here](#). [List of Tdocs](#)
- [Services & Systems Aspects \(SA\)](#): Next meeting information and previous meeting reports and documents are available [here](#). [List of Tdocs](#)
- [Core Network & Terminals \(CT\)](#): Next meeting information and previous meeting reports and documents are available [here](#). [List of Tdocs](#)
- [3GPP Keywords and Acronyms](#)
- 3GPP Latest Releases: [Release 15](#), [Release 16](#)
- [ETSI Standards Search](#)

IEEE Virtual Reality and Augmented Reality Working Group

- [IEEE P2048.1™ – Device Taxonomy and Definitions](#)
- [IEEE P2048.2™ – Immersive Video Taxonomy and Quality Metrics](#)
- [IEEE P2048.3™ – Immersive Video File and Stream Formats](#)
- [IEEE P2048.4™ – Person Identity](#)
- [IEEE P2048.5™ – Environment Safety](#)
- [IEEE P2048.6™ – Immersive User Interface](#)
- [IEEE P2048.7™ – Map for Virtual Objects in the Real World](#)
- [IEEE P2048.8™ – Interoperability between Virtual Objects and the Real World](#)
- [IEEE P2048.9™ – Immersive Audio Taxonomy and Quality Metrics User Interface](#)
- [IEEE P2048.10™ – Immersive Audio File and Stream Formats](#)
- [IEEE P2048.11™ – In-Vehicle Augmented Reality](#)
- [IEEE P2048.12™ – Content Ratings and Descriptors](#)

[IEEE DySPAN Standards Committee \(DySPAN-SC\)](#)

[IEEE 1900.1 Working group](#)

[IEEE 1900.2 Working group](#)

[IEEE 1900.3 Working group](#)

[IEEE 1900.4 Working group](#)

[IEEE 1900.5 Working group](#)

[IEEE 1900.6 Working group](#)

[IEEE 1900.7 Working group](#)

IEEE 802 Standard

[IEEE 802.1 Working group](#)

[IEEE 802.2 Working group](#)

[IEEE 802.3 Working group](#)

[IEEE 802.5 Working group](#)

[IEEE 802.11 Working group](#)

[IEEE 802.12 Working group](#)

[IEEE 802.15 Working group](#)

[IEEE 802.16 Working group](#)

[IEEE 802.17 Working group](#)

[IEEE 802.18 Working group](#)

[IEEE 802.19 Working group](#)

[IEEE 802.20 Working group](#)

[IEEE 802.21 Working group](#)

[IEEE 802.22 Working group](#)

[IEEE 1906.1-2015 - IEEE Recommended Practice for Nanoscale and Molecular Communication Framework](#)

General Links

[Latest IEEE-SA Standards Board Approvals](#)

[IEEE-SA Newswire March 2019 Issue](#)

7. Special Interest Groups

[SIG on Signal processing techniques in 5G communication systems](#)

[SIG on Signal Processing Techniques for Big Data in Wireless Networks](#)

More information about the SIGs may be found in our web page:
<http://spce.committees.comsoc.org/special-interest-groups/>