Centenary Celebrated Sharnbasveshwar Vidya Vardhaka Sangha's

ಶರಣಬಸವ ವಿಶ್ವವಿದ್ಯಾಲಯ

SHARNBASVA UNIVERSITY

A State Private University approved by Govt. of Karnataka vide Notification No. ED 144 URC 2016 dated 29-07-2017
Recognised by UGC under Section 2f vide No. F.8-29/2017 (CPP-I/PU), dated 20-12-2017 & AICTE, CoA, PCI New Delhi

PUBLISHING PARTNER

Springer

2nd International Conference on 6G Communications Networking and Signal Processing (SGCNSP)

SGCNSP

2nd International Conference on 6G Communications Networking and Signal Processing (SGCNSP) is a premier conference in Signal processing for Wireless communication and networking. SGCNSP 2024 is a hybrid mode and to be held at Sharanbasva University, Kalaburagi, India during 12-13 July 2024. The conference aims of bringing together researchers and practitioners working on computing, communications and security aspects and providing a forum to present and discuss emerging ideas and trends in this highly challenging research field. The several pioneer researchers including IEEE Fellow and industrialist persons will be present for delivering the future trend of research directions. The selected accepted papers will be appeared for possible publication in Springer Nature "Lecture Notes in Electrical Engineering".

CALL FOR PAPERS

Track 1: Signal processing

- Sparse Signal Processing Theory for Communications
- Signal processing for emerging technologies in 5G/6G
- Graph signal processing
- Biomedical signal processing
- Detection and estimation
- Distributed signal processing for edge learning and computing
- Signal processing for sensor networks, smart cities, and IoT applications
- Signal processing for single-carrier, OFDM / OFDMA, multicarrier systems including new waveforms
- Smart grid and power line communications
- Signal processing for software defined and cognitive radio
- Quantum signal processing
- Speech, audio and language processing

Track 2: Mobile and Wireless Networks

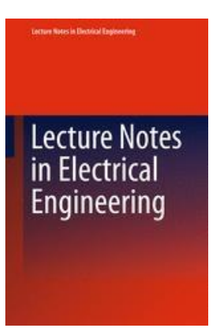
- 6G Vehicular networks
- Centralized-RAN, Could-RAN, and Fog-RAN architectures, OpenRAN
- Vehicular wireless networks
- Underwater wireless networks
- Delay-tolerant wireless networks
- Reconfigurable wireless networks
- Quality of Service (QoS) and Quality of Experience (QoE) in next-generation net
- Wireless edge computing, fog computing, and cloud computing
- Device-to-device communications
- Machine-to-machine communications
- AI for wireless networking
- Testbeds and deployment of wireless networks
- Standardization activities of emerging wireless technologies
- Communication paradigms based on emerging wireless technologies
- Integration of satellite and terrestrial networks
- Antennas and Microwave Components
- Radars, Remote sensing and Wireless Power Transfer

Track 3: Communication Systems and Networks

- 6G/next-generation networks
- Hybrid technology (Wi-Fi 8 and 6G)
- Information and coding theory
- Emerging broadband wireless networks
- Semantic networks/communications
- Satellite and space communications
- Quantum communications and computing
- Security and privacy issues in communications for 5G/6G
- Machine learning/AI- based solutions for wireless communications in 5G/6G
- Wireless communications powered by Energy harvesting and green communications
- Adaptive antennas, metamaterials, and beamforming
- Multi-antenna, MIMO and Massive MIMO, holographic MIMO and/or multi-user systems
- Heterogeneous and Small-Cell Networks
- Millimeter Wave, Terahertz, and Ultra-Wideband Communication Theory
- Network Coding
- Full-duplex communications/ Physical Layer Security
- Unmanned aerial vehicles (UAV) communications
- Spectrum sensing, shaping, and management techniques
- Detection and estimation theory
- Cognitive radio and AI techniques for 6G and Beyond 5G systems
- Security and privacy for 6G
- 6G networks and IoT
- Intelligent Transportation Systems
- Quality and performance of Multi-access Edge Computing (MEC) and fog computing solutions
- Protocol design and performance evaluation of new RAN architectures
- Software Defined Networking (SDN)
- Quality and performance in beyond 5G/6G wireless and mobile networks

Track 4: RF & optical communication

- Optical wireless and fiber systems & networks for 6G
- Optical communication
- Free Space Optical (FSO) networks and Visible Light Communication (VLC)
- Ultraviolet communications and networks
- Underwater optical communications
- Optical wireless vehicular networks
- Radars, Remote sensing



'The peer reviewed and selected papers of conference as proceedings will be publish with Springer in their prestigious "Lecture Notes in Electrical Engineering" series (https://www.springer.com/series/7818). For detailed instructions for author and editors of conference proceedings, kindly visit the following link: https://www.springer.com/us/authors-editors/conference-proceedings. Select papers from the conference will be published by Springer as a proceedings book volume. Springer will conduct quality checks on the accepted papers and only papers that pass these checks will be published. Springer Nature does not charge any money for publication of Non-Open Access content. Abstracts/extended abstracts and short papers (less than 4 pages) are not considered for publication.'

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Important Dates

Paper Submission Deadline: 30th June, 2024
Notification of Acceptance: 5th July, 2024
Registration Deadline: 10th July, 2024

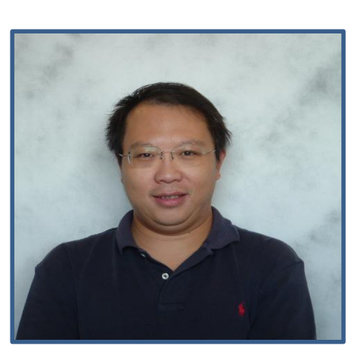
Submission Link:
https://cmt3.research.microsoft.com/SGCNSP2024

Conference Website: www.sgcnsp.com

Keynote Speakers

Prof. Guan Gui
Nanjing University of Posts and Telecommunications, China

Prof. Ioannis Krikidis, University of Cyprus, Cyprus, IEEE Fellow



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