Call for Papers for May 2019: 2019 ISTSN International Symposium on Telecommunications, Signal Processing and Networks

2019 ISTSN International Symposium on Telecommunications, Signal Processing and Networks
Date: 29th-31st May 2019
Venue : Ghana Technology University College, Accra, Ghana

The International Symposium on Telecommunications, Signal Processing and Networks ISTSN 2019 is co-located with ICCSPN. Proceedings of full papers of the in IEEE Xplore and other places such as Scopus, titles of papers will be made available in Web of Science linked to ResearcherID and Clarivate Analytics' Publons etc.. The Areas of the symposium are

- 4G LTE, 5G networks and architectures
- Communication protocols
- Cryptographic algorithms and protocols
- Grid networks and services
- Mobile and wireless network technologies
- Network theory
- Optical networks
- Quality of service, and others
- Embedded systems
- Analytical models of communication technologies and systems
- Antennas design and modelling
- Electromagnetic compatibility
- Model-driven design and development
- Network monitoring, performance and quality evaluation techniques
- Network simulation and measurement techniques
- Radars, propagation, and measurements
- Traffic and workload control, and others
- UWB systems & technology
- Active devices, circuits, and applications
- CAD tools and SoC design
- Cellular neural networks and array computing
- Circuit theory and numerical methods
- Communication circuits and systems
- Fractional calculus, fractional-order circuits' synthesis and analysis
- Low-voltage and low-power circuits, MOS-only circuits
- Memristive circuits and devices
- Nonlinear signal processing & chaos
- Power and energy circuits and systems
- VLSI systems and applications, and others
- Acoustic modeling and source separation
- Analysis, coding, recognition and synthesis of audio, music, speech and language
- General language modeling, mining, and spoken dialog systems
- Speech production and perception
- Adaptive and non-linear signal processing
- Array signal processing
- Digital filters and filter banks
- DSP algorithms and applications
- Multidimensional signal processing
- Signal analysis, transform, and reconstruction
- Signal processing for smart sensor and systems
- Social signal processing and affective computing, and others
- Image and Video Signal Processing
- Computer vision
- Digital television, DVB, DAB, DMB
- Image and video analysis, segmentation, and tracking
- Image filtering

- Morphological processing
- Pattern recognition
- Watermarking, and others
- Spoken language detection and modeling, and others
- Energy-efficient communication protocols
- Infrastructures and protocols for smart grids
- Measurement, monitoring and diagnostics
- Power management for telecommunication equipment
- System design and development
- Topics of interest for submission include, but are not limited to:
- Adaptive Filtering & Signal Processing
- Ad-Hoc and Sensor Networks
- Analog and Mixed Signal Processing
- Array Signal Processing
- Audio and Electroacoustics
- Audio/Speech Processing and Coding
- Bioimaging and Signal Processing
- Biometrics & Authentification
- Biosignal Processing & Understanding
- Communication and Broadband Networks
- Computer Vision & Virtual Reality
- Cryptography and Network Security
- Design and Implementation of Signal Processing Systems.
- Hardware Implementation for Signal Processing
- Higher Order Spectral Analysis
- Image and Multidimensional Signal Processing
- Image/Video Processing and Coding
- Internet Signal Processing
- Machine Learning for Signal Processing
- Modulation and Channel Coding, Multimedia & Human-computer Interaction
- Multimedia Communications, Multimedia Signal Processing
- Natural Language Processing
- Next Generation Mobile Communications
- Nonlinear Signal Processing.
- Virtualization techniques
- MIMO and multi-antenna communications
- Underlay/overlay systems
- Error control coding including turbo codes, LDPC and iterative decoding
- Multiuser, network, massive and distributed MIMO systems
- Cooperative communications and relaying
- Fundamental limits, information theory for wireless
- Multiple access schemes, multiuser detection
- Interference mitigation and management
- Communication with limited feedback, Precoding and scheduling
- Space-time coding and processing, Interference alignment techniques
- Wireless Communications Powered by Energy Harvesting and Wireless Power Transfer
- Spread spectrum systems: UWB, CDMA,MC CDMA, MC DS CDMA
- Information theory
- Adaptive modulation and coding
- Network coding
- Spectrum sensing & dynamic spectrum access
- Detection, equalization, synchronization, estimation
- Performance analysis, field tests and measurements
- Resource allocation and interference management
- Satellite and high altitude platforms
- Antennas and propagation
- Ad-hoc and mesh networks
- Cognitive radio networking
- Software defined networking
- Radio resource management and interference control
- ICT applications in smart cities and smart grid
- Homeland security and military communications
- Mobile Internet
- Wireless sensor networks
- Self-organisation
- Cross layer design
- Wireless routing techniques
- Mobility management
- Green networking and Energy harvesting
- Innovative services and applications
- Implementation concepts and test beds
- Device-to-Device (D2D) Communication
- Delay tolerant networks
- Heterogeneous and small cell networks
- Traffic control and engineering
- Optical wireless and visible light communications
- End-to-End QoS and QoS provisioning
- Cloud-based networking techniques (mobile cloud computing, Cloud-RAN)
- Network virtualization

- Networking techniques for mmWave
- Vehicular Networks (VANETs)
- Machine-to-machine communications and applications
- Wireless MAC protocols for 5G: design, analysis, and optimization
- Cognitive and cooperative MAC
- MAC for mesh, ad hoc, relay, and sensor networks, Scheduling and radio resource management
- Cross-layer MAC design, Software defined radio, RFID MAC, QoS support and energy efficient MAC
- MAC protocol for energy harvesting wireless networks
- MAC protocols for molecular and bacterial nano networks
- MAC design for multi-tier cellular/small cell networks
- Multiple access in machine-to-machine communications
- MAC for cloud radio access networks (Cloud-RANs)
- Wireless personal/body area networks (WPAN/WBAN) and Context awareness
- Internet of Things (IoT) and Internet of Everthing (IoE)
- Localization techniques
- Physical layer security
- Advanced Multicarrier waveforms: beyond OFDM and filterbank-based schemes
- Radio over fiber techniques
- Wireless channel modelling
- Gigabit wireless communications for 5G
- Millimeter wave and visible light communications
- Cognitive wireless networks
- PHY layer design for cellular, wireless LAN, ad hoc, and sensor networks
- Energy efficient PHY layer design, energy harvesting
- Over-the-air testing
- Cross-layer air interface design
- Ultra wideband, mmWave, and sub-THz communications
- Information-theoretic aspects of wireless communications
- Concepts for 5G and future PMR/PPDR broadband systems
- Signal processing for wireless communications
- Next generation M2M communications for internet of things
- platforms and solutions, and others
- etc

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Registration for Full Paper $300 (Short paper 3-4 pages and Full paper 5-6 pages IEEE Paper template http://icspn.ghsociety.org/template.doc) This covers presentation and conference participation.

Registration for Abstract Only $100. (Title, Name of Authors, Affiliation, Abstract and Key words) This covers presentation and conference participation.

All selected papers further qualified for future advancement/improvement of work-done for Special Issues in reputable Journals and Book Chapters to be indexed in reputable places such as SCOPUS. Authors will be contacted in the future for submissions to these call for papers. All selected abstracts qualify for such invitations.

Submission link: https://cmt3.research.microsoft.com/ICCSPN2019
Website : http://iccspn.ghsociety.org/
Deadline for full papers submission :
20th May 2019
Final notification of acceptance :
25th May 2019
Deadline for registration :
27th May 2019
Deadline for Camera-ready :

28th May 2019
Conference date : 29th to 31th May 2019
Venue : Ghana Technology University College, Accra Ghana.