# Jaypee University of Information Technology

# Department of Electronics & Communication Engineering
## 5ᵀᴴ INTERNATIONAL CONFERENCE ON SIGNAL PROCESSING, COMPUTING AND CONTROL (ISPCC 2k19)

### 10ᵗʰ -12ᵗʰ October 2019

5ᵗʰ International Conference on Signal Processing, Computing and Control (ISPCC 2k19) will be organized by Jaypee University of Information Technology, Waknaghat, India. The aim of the ISPCC is to serve for researchers, developers, educators working in the area of signal processing, computing, control and their applications to present and future work as well as to exchange research ideas. 2019 ISPCC invites authors to submit their original and unpublished work that demonstrates current research in all areas of signal processing, computing, control and their applications.

Full length original and unpublished papers, based on theoretical and experimental contributions, related, **but not limited to** the following tracks, are solicited for presentation and publication in the conference:

**Track 1: Signal Processing**: Audio and Acoustic Signal Processing, Multimedia Signal Processing,  Signal Processing Education, Design and Implementation of Signal Processing Systems, Image and Video Processing, Signal Processing for Communications and Networking, Machine Learning for Signal Processing, Adaptive Signal Processing. Biomedical Signal  Analysis, Biomedical Modelling and Informatics, Biomedical imaging, Bio medical Instrumentation, Biomedical Devices, Bio Sensors,  Bio Electronics, Bioinformatics.

**Track 2: Network and Communication**: Ad-hoc and wireless Sensor Networks, Quality of Service, Wireless Communications and Networks, Microwave Theory and Techniques, Antenna Theory and Design, Terahertz Communication Technologies, Information and Coding Theory, Communications and Information Security, Cognitive Radio and Networks, Optical Communication and Networking.

**Track 3: VLSI and Embedded Computing**: Reconfigurable Computing/FPGA, Network on Chip, System on Chip. Design, Modelling and Simulation of Digital/Analogue IC, VLSI Circuits and Systems, CAD for VLSI, Interconnect Modelling and Algorithms, Micro-Electro-Mechanical Systems, Mixed Analogue/Digital Systems.

**Track 4: Control and Automation**: Instrumentation and Automation, Robotics, Adaptive and Resilient Control Systems, Process Control, Failure Analysis, Yield Enhancements and Modelling, Networked Control System, Fault Tolerant Control System, System Performance and Reliability.

**Track 5: Software Engineering and Emerging Technologies:** Artificial Intelligence Algorithms, Fuzzy and Neural Systems, Artificial Intelligence Tools and Applications, Pattern Recognition, Parallel Processing, Soft Computing Techniques. Changing software, Architectural Paradigms, Reconfigurable Architectures, Software Inspection, Verification & Validation, Software Sizing and estimation techniques, Knowledge Based Systems.

**Track 6: Theme Based Special Sessions**

The ISPCC-2019 team plans to hold special sessions on various areas of expertise. Special session proposals are invited related to broad area of ISPCC 2k19 or theme of the conference. **Proposal submitter must have expertise in the proposed area.** The proposals will be judged by the ability to bring together the key researchers in the state-of-the-art area, further development of the area, and help in establishing a larger research community beyond the area.

The organizer(s) of the special session will be the resource person motivating researcher(s) to submit papers to the special session. **All papers submitted will go through the regular process of submission and review**. All the papers are to be presented to be included in the proceedings.

The proposals for the Special Sessions may be sent at conference mail id ispcc2k19@gmail.com with all necessary details.

## *Paper Submission*

Authors are invited to submit full papers in English of not more than 6 pages (including figures, tables & references) in IEEE double-column format. If the number of pages exceed(max 8 pages), the authors from India have to pay Rs. 500 per page and foreign authors USD 50 per page. Submissions must present original work that has not been previously published, and is not under submission elsewhere. All articles will be reviewed for scientific quality by the Technical Program Committee and external reviewers.

*Please note that the Proceedings of ISPCC-2019 will be published in Soft Copy only.* **ISPCC-2019** has approval of **IEEE ( *record No #48220*),** thereby the Conference proceedings of **accepted and presented papers**, are slated to go for publication in *IEEE Xplore,* once approved, which

is indexed with world's leading **Abstracting & Indexing (A&I)**databases, including *ISI, SCOPUS, DBLP, EI-Compendex, etc.* Extended version of the selected papers will also be published in the following

**Journals :-**

1.  **Recent Patents on Engineering**

    Reference #: BMS-ENG-2019-HT-13
    ISSN: 2212-4047 (Online), ISSN: 1872-2121 (Print)

2.  **International Journal of Sensors, Wireless Communications and Control**

    Reference #: BMS-SWCC-2019-HT-11
    ISSN: 2210-3287 (Online), ISSN: 2210-3279 (Print)

3.  **Algorithms for Intelligent Systems (AIS), Springer Book Series**

    https://www.springer.com/series/16171

Submissions should use the general IEEE template https://www.ieee.org/conferences_events/conferences/publishing/templates.html

Papers must be strictly submitted electronically (in .doc, .docx, .pdf through PDF express format) via on-line submission http://edas.info/N25432

or .doc/ .docx file through email on ispcc2k19@gmail.com

## *Review Process, Publication and Indexing*

Review process will be **Double-blind**. Each submitted paper will be assigned to **three independent reviewers** on the basis of their area of expertise. The papers will be evaluated for following criteria:

a.  Originality of the research
b.  Suitability of the topic for the Conference
c.  Technical quality of the paper
d.  Usage of proper methodology
e.  State of the art research
f.  Language clarity

A maximum of **5 papers will be assigned to a single reviewer**, in general. On the basis of received review reports, decision of "**Acceptance**" or "**Rejection**" will be done by TPC Chair(s), and Conference General Chair(s) . In case, paper is rejected by one of the reviewer (without any technical reason) and accepted by other two, then such cases will be consulted with Advisory

committee. All the review reports may be submitted to IEEE USA, if required. Authors of accepted papers have to submit revised papers including all reviewer's comments and concerns within the given timeframe.

The plagiarism report given by the *http://edas.info/N25432* will be considered final.

However, the following are **unacceptable** in any circumstances:

(1) Duplicate publication of an entire article;

(2) Major plagiarism of the work of others ( edas plag check > 15%);

(3) Plag report from edas with overall plag > 15% and > 5% from one source.

(4) Review papers which reproduce substantial amounts of the texts discussed.

## *Important Dates*

| Submission of Full Length Paper | ~~30th June, 2019~~ 10th July, 2019 |
|---|---|
| Paper Acceptance Notification | 30th July, 2019 |
| Submission of Final Version of Paper | 16th August, 2019 |
| Registration Deadline (Early Bird) | 30th August, 2019 |
| Registration Deadline (Late) | 16th September, 2019 |

## REGISTRATION

The registered author must present the paper in the conference for getting the paper to be published in IEEE Xplore. Otherwise the paper will be removed from the conference proceedings.

**Additional Instructions for Co-Authors/ Delegates:** In a paper with more than one author, all authors cannot register as "**Co-Authors**". One of the authors must pay full registration fee, while others can avail Co-Author discount. Co-Author registration discount can be availed only after one of the authors has successfully registered with full registration fee. Co-Authors who wish to avail registration discount have to compulsorily indicate fee payment details of first author.

# Important Dates and Fee for Registration

| | Category of Delegates / Authors | Early Bird on or before 30th August, 2019 | | After 30th August, 2019 | | Spot Registration (only in Cash) | |
|---|---|---|---|---|---|---|---|
| | | IEEE/IET Members | General | IEEE/IET Members | General | IEEE/IET Members | General |
| **Indian Authors & Delegates (in INR)** | | | | | | | |
| **Authors** | **Full Time Students*** | 5,000.00 | 6,000.00 | 6,000.00 | 7,000.00 | 8,000.00 | 9,000.00 |
| | **Teachers/ Research Scholars** | 6,000.00 | 7,000.00 | 7,000.00 | 8,000.00 | 9,000.00 | 10,000.00 |
| | **Industry** | 8,000.00 | 10,000.00 | 10,000.00 | 12,000.00 | 12,000.00 | 13,000.00 |
| **Delegate** | **Student / Research Scholar** | 2,000.00 | 2,500.00 | 2,500.00 | 3000.00 | 3,000.00 | 3,500.00 |
| | **Academician /Industry** | 2,000.00 | 2,500.00 | 2,500.00 | 3,000.00 | 3,000.00 | 3,500.00 |
| **Foreign Authors & Delegates (in USD $)** | | | | | | | |
| **Authors** | **Full Time Students*** | 250 | 300 | 300 | 350 | 400 | 450 |
| | **Teachers/ Research Scholars** | 350 | 400 | 400 | 450 | 500 | 550 |
| | **Industry** | 500 | 550 | 550 | 550 | 600 | 650 |
| | **Delegate** | 150 | 150 | 150 | 150 | 200 | 200 |

*\* For extra pages* (max 8 pages), *Indian author Rs. 500 per page and foreign author USD 50 per page*.

- **Every accepted paper must have a UNIQUE SEPARATE REGISTRATION, i.e. separate registration fee is to be paid for each accepted paper in order to be included in the proceedings.**
- **Authors claiming discounted registration fee must produce valid proof for availing the discounted fee (copy of student matriculation card, IEEE membership card must be submitted)**
- **Registration fee includes Conference Kit, Breakfast and Lunch on conference days and Conference Gala Dinner.**
  **REGISTRATION FEE DOES NOT INCLUDE ACCOMMODATION. PARTICIPANTS NEED TO MAKE THEIR OWN ACCOMMODATION ARRANGEMENTS. INFORMATION REGARDING NEARBY HOTELS AND THEIR CONTACT DETAILS ARE AVAILABLE ON THE WEBSITE**

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