



Jaypee University of Information Technology

Department of Electronics & Communication Engineering
6TH INTERNATIONAL CONFERENCE ON SIGNAL PROCESSING,
COMPUTING AND CONTROL (ISAPCC 2k21)

07th-09th October 2021

6th International Conference on Signal Processing, Computing and Control (ISAPCC 2k21) will be organized by Jaypee University of Information Technology, Waznaghat, India in **Online Mode**. The aim of the ISAPCC 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. ISAPCC 2k21 invites authors to submit their original and unpublished work that demonstrates current research in all areas of signal processing, computing, control and their applications.

Theme of the conference is “Signal processing in Ubiquitous Systems”. However, ISAPCC 2021 solicits Full length original and unpublished papers, based on theoretical and experimental contributions, related, but not limited to the following tracks, are solicited for presentation and publication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, Real Time Systems, Robotics, Artificial & Augmented intelligence and their applications, Biometrics & RFID, Computational Intelligence, Deep Learning, Big Data Analysis, RF, Microwave, Millimeter wave: Theory and Techniques, Electromagnetic, Antennas and Propagation, Ultrasonic, Ferroelectrics, and Frequency Control, Wireless technologies, Broadcasting

Track 2: Communication, Computer and Information Technology

Communication, Signal, Image and Video Processing, 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, IOT, 5G Networks and Cloud Computing, Data and Business analytics, Computational Social Science & Social Networks, Artificial & Augmented intelligence and their applications, Biometrics & RFID, Computational Intelligence, Deep Learning, Big Data Analysis

Track 3: Control and Automation

Instrumentation and Automation, Robotics, Adaptive and Resilient Control Systems, Process Control, Failure Analysis, Yield Enhancements and Modeling, Networked Control System, Fault Tolerant Control System, System Performance and Reliability, UAS for precision agriculture, UAS guidance, navigation and control, Problems and challenges in aerial robotics, Sense and Avoid, Home Automation, Networked Control Systems, Conventional, Renewable and Green Energy, Energy Storage Devices, Charging infrastructure, onboard, off-board chargers, Industrial Electronics and applications, Smart Grid and Micro Grid, Intelligent Transportation Systems, Modelling & Simulation of Machines, Power Systems, High Voltage and Power Electronics, Dielectrics and Electrical Insulation, Electric Vehicle

Track 4: VLSI, Embedded and Ubiquitous 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. Power Optimization Techniques, Reconfigurable Hardware Design, ASIC & System On Chip, CMOS-based RF VLSI Design, VLSI architecture Design, implementation & testing, Pervasive and mobile computing

Track 5: Engineering in Medicine and Biology

Biomedical and Health Informatics (BHI), Biomedical Imaging and Image Processing (BIIP), Computational Biology and the Physiome (CBP), Wearable Biomedical Sensors and Systems (WBSS), Therapeutic Systems and Technologies (TST), Bionanotechnology and BioMEMS (BNM), Translational Engineering and Healthcare Innovation (TEHI), Tele-working Technologies, Social Health extraction from Social media and networks, AI in Human Machine interaction, 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, Online education Technologies (university, high school, and elementary).

Track 6: Theme Based Special Sessions

The ISPCC-2021 team plans to hold special sessions on various areas of expertise. Special session proposals are invited related to broad area of ISPCC 2021 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 ispcc2021@juitsolan.in 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.

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 <https://edas.info/N28092>

or .doc/ .docx file through email on ispcc2021@juitsolan.in

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 <https://edas.info/N28092> 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	15th July, 2021
Paper Acceptance Notification	30 th July, 2021
Submission of Final Version of Paper	16 th August, 2021
Registration Deadline (Early Bird)	30 th August, 2021
Registration Deadline (Late)	16 th September, 2021

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 30 th August, 2021		Till 16 th September, 2021		Spot Registration	
		IEEE/IET Members	General	IEEE/IET Members	General	IEEE/IET Members	General
Indian Authors & Delegates (in INR)							
Authors	Full Time Students*	3500.00	4,000.00	4500.00	5,000.00	5500.00	6,000.00
	Teachers/ Research Scholars	4,000.00	4,500.00	5,000.00	5,500.00	6,000.00	6,500.00

	Industry	6,000.00	6,500.00	7,000.00	7,500.00	8,000.00	8,500.00
Delegate	Student / Research Scholar	2,000.00	2,500.00	3,000.00	3,500.00	3,500.00	4,000.00
	Academician /Industry	2,500.00	3,000.00	3,500.00	4,000.00	4,000.00	4,000.00
Foreign Authors & Delegates (in USD \$)							
Authors	Full Time Students*	150	175	175	200	200	250
	Teachers/ Research Scholars	200	225	225	250	250	300
	Industry	350	300	300	450	450	350

* 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)

Correspondence:

Dr. Rajiv Kumar
 General Chair- ISPC2k21
 Desk Phone: +91-1792-239261 (Office)
 Personal Phone: +91- 9816365801
 Fax: +91-1792-245362
 Email: rajiv.kumar@juit.ac.in, shruti.jain@juit.ac.in, harsh.sohal@juit.ac.in
 Conference Email: ispcc2021@juitsolan.in
http://www.juit.ac.in/ispcc_2021