



2020 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (DISCOVER)

Organized by **IEEE Mangalore Sub-Section**

Hosted at **Shri Madhwa Vadiraja Institute of Technology and Management**, Bantakal, Udupi, India

On October 30-31, 2020

Call for Papers

2020 IEEE International Conference on Distributed Computing, VLSI, Electrical circuits and Robotics (DISCOVER) is being organized by the IEEE Mangalore Sub-Section (R0011901) at Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi, India. A series of Keynote Talks, followed by paper presentations have been planned to foster strong networking among the delegates. DISCOVER solicits paper submissions across six tracks as listed below. Kindly note that the submissions are not limited to the topics mentioned in each track. Technical Programme Committee of DISCOVER will select **One Best Paper** in each of the tracks mentioned below. Best Paper Awards will be announced and distributed during the Conference. All accepted and presented papers will be submitted for possible publication in IEEE Xplore® Digital Library (Conference Record #50404). **Due to the uncertainties prevailing because of the pandemic COVID-19 and considering the well-being and safety of the participants, 2020 IEEE DISCOVER will be held in a fully virtual mode.**

1. Distributed Computing

Multi-core Architecture, Parallel & Distributed Systems, Agent-Based Systems, Autonomic Computing, Mobile & Ubiquitous Computing, Service-Oriented Computing, Scalable Servers and Systems, GPU Programming, Parallel & Distributed Algorithms, Intelligent computing, Secured computing, Cloud computing, Edge Computing, FOG computing.

2. Communications

Network algorithms, Network Control & Management, Disaster Recovery of Networks, Cognitive Communications, Wireless Sensor Networks, Software Defined Networks, Future Internet Architecture, Optical Networks, Internet of Things, Network Performance Analysis, Secured communications, Ad Hoc Networks, Unmanned Aerial Vehicle Networks, Body Area Networks, RF and Microwave Engineering, Antenna Engineering, Waveguide and Filter Design, Optical Communications, Photonics.

3. VLSI

VLSI Circuits and Systems, RF Circuit Design and Testing, Emerging Trends in VLSI, Reconfigurable Systems, System on Chip, Heat Dissipation Analysis, Design of MEMS Devices, Optical MEMS Devices, Analog / Mixed Signals, RF Circuit Analysis, Nanotechnology, Thin film and Devices and Solar Photovoltaic.

4. Electrical and Electronic Circuits

Electrical AC/DC Circuits, Analog and Digital Circuits, High-speed/low-power circuits, Near and sub-threshold circuits, Nonlinear Circuits & Systems, Neural/fuzzy-logic circuits, Energy efficient Systems and Circuits, FPGA based systems.

5. Robotics

Robotic Technologies, Robots for Industrial Applications, Robots for Domestic Premises, Robots for Education, Robots for Health Care, Robots for Transportation, Robots for Commercial Usage, Humanoids, Bio-Robotics and Biomechanics.

6. Healthcare

Biomedical Sensors and Wearable Systems, Therapeutic and Diagnostic Systems and Technologies, Biomedical and Health Informatics, Translational Engineering for Healthcare Innovation and Commercialization, Biomedical Signal and Image Processing, Pattern Recognition.

Important Dates

Paper Submission Deadline: Monday, July 20, 2020
~~Monday, June 15, 2020~~
Acceptance Notification: Monday, August 31, 2020
Registration Deadline: Wednesday, September 30, 2020
CRC Submission Starts: Tuesday, September 01, 2020
CRC Submission Deadline: Wednesday, September 15, 2020
Conference Dates: October 30 - 31, 2020 (Friday and Saturday)

Registration Fees (has been reduced by 50% as compared to previous registration fees)

Author	Regular Author (Industry)	Regular Author (Academia)	IEEE Author	Student Author	IEEE Student Author	Regular Attendee	IEEE Student Attendee
Indian	INR 5000	INR 4000	INR 3750	INR 3500	INR 3250	Nil	Nil
Foreign	USD 175	USD 150	USD 125	USD 125	USD 100	Nil	Nil

Note- Discount of 50% in the registration fees will be provided for the second accepted paper from the same registered author.

Venue

Established in the year 2010, under the aegis of **Shri Sode Vadiraja Mutt Education Trust, Udupi, Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM)** has emerged as a promising institution in the region. With its highly motivated and qualified faculty, excellent infrastructure and distinctive learner-centric facilities, the institute has already become the most sought after engineering institute in the region. Adding a feather to its cap, SMVITM, which is celebrating its decennial year in 2020, was recently accredited by NAAC with A-grade, which certifies the quality of education offered in the institute. SMVITM offers four Bachelor of Engineering programs in Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering and Civil Engineering. Also it offers full-time or part time research program in engineering and applied science streams affiliated to VTU, Belagavi.

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Paper can be submitted through EasyChair: - <https://easychair.org/my/conference?conf=discover2020>

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