



**2nd International Conference on
Innovative Mechanisms for Industry
Applications**

(ICIMIA 2020)

5th to 7th of MARCH 2020

Organized by

**DAYANANDA SAGAR
COLLEGE OF ENGINEERING
BENGALURU, INDIA**



PUBLICATION AND INDEXING

All accepted and presented papers are submitted for possible inclusion in IEEE Xplore.

ABOUT THE CONFERENCE

2nd International Conference on Innovative Mechanisms for Industry Applications (ICIMIA 2020) is organized by Dayananda Sagar College of Engineering, Bengaluru from 5th to 7th of March 2020. This conference is technically sponsored by IEEE Bangalore Section, India. The conference will provide an outstanding forum for sharing knowledge and results in emerging fields of Engineering and Technology. The conference will be Complete, Concise, Clear and Cohesive in terms of research related to Innovative Mechanisms for Industrial needs.

ABOUT THE COLLEGE

Dayananda Sagar College of Engineering (DSCE) is an autonomous institution under Visvesvaraya Technological University, Belagavi, approved by AICTE. It has a wide choice of engineering branches with 15 Under Graduate programs and 13 Post Graduate programs. In addition, it has 20 Research Centers in different branches of Engineering catering to research scholars for obtaining PhD under VTU. Many of DSCE's programs are accredited by NBA.

DSCE is part of a massive green campus spread over 29 acres with large infrastructure supported by laboratories with state-of-the-art labs. The Central Library with modern facilities has a huge collection of reference material along with providing access to e-books and e-Journals through Digital library with dedicated systems. The campus is equipped with WIFI and has large bandwidth internet facility. The college has good faculty strength with great professional integrity that is committed to academics and research.

ORGANIZING COMMITTEE

Chief Patrons

- + **Dr. D. Hemachandra Sagar**
Chairman, DSI
- + **Dr. D. Premachandra Sagar**
Vice Chairman, DSI
- + **Ms. Tintisha H Sagar**
Member, Governing Council, DSCE
- + **Mr. Rohan Prem Sagar**
Member, Governing Council, DSCE
- + **Dr. Karisiddappa**, Vice-chancellor
Visvesvaraya Technological University
(VTU), Belagavi, Karnataka

Patrons

- + **Shri. Galiswamy**, Secretary, DSI
- + **Dr. A.S. Deshpande**, Registrar, VTU
- + **Dr. C.P.S. Prakash**, Principal, DSCE

Conference Chair

- + **Dr. Suma. V**, Professor, ISE, DSCE

Technical Committee

- + **Dr. Ramesh Babu D.R.**, Vice Principal, DSCE
- + **Dr. S. Kiran**, Controller of Examinations, DSCE
- + **Dr. A.R. Aswatha**, Dean, DSCE
- + **Dr. K. S. Anantha Raju**, HOD, Chemistry, DSCE
- + **Mr. B. S. Bindhumadhava**, IEEE Execom Member, Bangalore Section
- + **Dr. S.K. Niranjana**, Senior Member, IEEE Member Execom, IEEE, Bangalore Section
- + **Mr. Prashant Misra**, IEEE Execom Member, Bangalore Section
- + **Dr. Deepa Shenoy**, IEEE Execom Member, Bangalore Section
- + **Dr. Kiran Gupta**, IEEE DSCE Branch Councilor, DSCE

Advisory Committee

- + **Dr. K. Gayathri Reddy**, The Regional Director, VTU, Karnataka
- + **Dr. B. R. Lakshmikantha**, Principal, Dayananda Sagar Academy of Technology, Bengaluru
- + **Dr. K.N. Subramanya**, Principal, RV College of Engineering, Bengaluru
- + **Dr. B.V. Ravishankar**, Principal, BMS College of Engineering, Bengaluru
- + **Dr. N. V. R. Naidu**, Principal, M.S. Ramaiah Institute of Technology, Bengaluru
- + **Dr. Mritunjaya V. Latte**, Principal, JSS Academy of Technical Education, Bengaluru
- + **Dr. M.K. Venkatesha**, Principal, RNS Institute of Technology, Bengaluru
- + **Dr. A.G. Nataraj**, Principal, AMC College of Engineering, Bengaluru
- + **Dr. H. C. Nagaraj**, Principal, Nitte Meenakshi Institute of Technology, Bengaluru
- + **Dr. Puttaraju**, Principal, SJB Institute of Technology, Bengaluru

- + Dr. Rana Pratap Reddy, Principal, Global academy of Technology, Bengaluru
- + Dr. Aswath M U, Principal, Bangalore Institute of Technology, Bengaluru
- + Dr. Manjunatha, Principal, New Horizon College of Engineering, Bengaluru
- + Dr. Suresh L, Principal, Cambridge Institute of Technology, Bengaluru
- + Dr. Krishnamurthy G.N, Principal, BNM Institute of Technology, Bengaluru
- + Dr. T.V. Govidaraju, Principal, KS Institute of Technology, Bengaluru
- + Dr. A. Sreenivasan, P.G. Director, DSCE
- + Dr. Rama Mohan Babu, HOD, ISE, DSCE
- + Dr. T.C. Manjunath, HOD, ECE, DSCE
- + Dr. P. Usha, HOD, EEE, DSCE
- + Dr. Rajashekar J.S., HOD, EIE, DSCE
- + Dr. V.G. Sangam, HOD, ML, DSCE
- + Dr. Samitha Khaiyum, HOD, MCA, DSCE
- + Dr. Keshavamurthy, HOD, ME, DSCE
- + Dr. Ramaraju H. K, HOD, Civil Engg, DSCE
- + Dr. S. A. Vasantha Kumar, HOD, IEM, DSCE
- + Dr. H.N. Suresh, HOD, Automobile Engg, DSCE
- + Dr. Ravishankar R, HOD, Chemical Engg, DSCE
- + Dr. P. Prakash, HOD, CTM, DSCE
- + Dr. Joseph C M, HOD, Dept of Physics, DSCE
- + Dr. Radha Gupta, HOD, Dept of Maths, DSCE
- + Dr. K.G. Hemalatha, HOD, VTU MBA, DSCE
- + Dr. Arbind Kumar Gupta, Professor, CSE, DSCE
- + Dr. Krishnan R, Professor, CSE, DSCE
- + Dr. M. Malek, Editor-in-Chief, Computers & Electrical Engineering Stevens Institute of Technology, New Jersey, USA
- + Dr. Uma Mohan Mokashi, London School of Commerce, United Kingdom
- + Dr. P.D.D Dominic, Professor, Department of Computer Science, Petronos University, Malaysia

- + Dr. Dilip Mali, Professor, Electrical and Computer Engineering, Ethiopian Institute of Technology, Mekelle University, Ethiopia
- + Dr. Syed M. Buhari, Professor, Faculty of Computing and Information Technology, Saudi Arabia

Call for Papers

Track 1: Industrial Internet of Things (IIoT)

- + Industrial Wireless Networks and Applications
- + Internet of Intelligent Industrial Things
- + Intelligent Infrastructure and Guidance Systems

Track 2: Artificial Intelligence

- + Smart Service Oriented Manufacturing Technologies
- + Automated Machine Learning based Industrial Applications
- + Digital Twins for Industrial Expertise

Track 3: Control, Autonomous Systems and Robotics

- + Smart Industrial Automation and Robotics
- + Distributed Decision Making Architectures
- + Humanoid Robots
- + Industrial; Networks and Control Systems

Track 4: Machine Learning and Deep Drives

- + Deep Learning based Smart Machining Systems
- + Deep learning and Autonomous Driving Models
- + End-to-End Simulation using Deep Drives
- + Vision-based Autonomous Models

Track 5: Cloud Computing and Analytics

- + Cognitive Cloud based Solutions for various Smart Industries
- + Mobile Cloud Computing and Services
- + Cloud Risk, Challenges, and Governance

Track 6: Big Data and Analytics

- + Big Data for Performing Predictive Analytics in Industrial domain
- + Data Mining and Visualization
- + Computational Intelligent Frameworks for Big Data Processing
- + Multi-Agent Systems: Models, Architectures and Applications

Track 7: Communications and Mobile Networks

- + Energy-efficiency in 5G for IoT applications
- + Security and Privacy concerns in 5G Wireless Communications
- + Agent based Intrusion Surveillance

Track 8: Electronics and Communication

- + Image and Signal Processing
- + Wireless Communication and Embedded Applications
- + SOCs and VLSI Circuits

Track 9: Electrical and Power Systems

- + Power Electronics and Energy Efficient Drives
- + Smart Grids and Sustainable Systems
- + Feedback Control Systems

Registration Fee Details

Indian Authors (Non IEEE Members): INR.7000
 Indian Authors (IEEE Members): INR.6000
 Foreign Authors (IEEE Members): 200 USD
 Foreign Authors (Non IEEE Members):250 USD

Submission

Submit papers to contact.icimia@gmail.com

Important Dates

Final Paper Submission: 01 February 2020

Registration Due: 15 February 2020

Conference Dates: 5th-7thMarch 2020

Venue

Dayananda Sagar College of Engineering
 Shavige Malleshwara Hills, Kumarswamy Layout,
 Bengaluru –5600 78, India

Contact Details

Dr. Suma. V

Email: suma-ise@dayanandasagar.edu

CONFERENCE URL

<http://icimia.co.in/index.html>