



## 3rd International Conference on Communication, Computing & Industry 4.0 C2I4- 2022

15<sup>th</sup> & 16<sup>th</sup> December,  
2022

## CMR Institute of Technology

Established in 2000, the CMR Institute of Technology imparts quality, pragmatic education in engineering and management to help students hone their analytical abilities and develop their creative thinking skills. CMRIT meets the rapidly growing need for technology professionals by nurturing young minds in an innovative and progressive learning environment. Situated in the very heart of South India's IT corridor, the CMRIT campus in Whitefield, Bangalore is centrally located, well connected and easily accessible. At CMRIT, we are dedicated to holding aloft the flame of Sri Chikka Muniyappa Reddy's dreams. Towards this end, we are committed to promoting technical education as a catalyst to the growth and development of the country and society at large. With world-class infrastructure and experienced faculty, CMR Institute of Technology is the preferred destination for technocrats and managers who wish to shape the future.

## About the Conference

International Conference on Communication, Computing and Industry 4.0 (C2I4) is an international conference that aims to bring together experts from different domains to a connected ecosystem envisioned by the fourth industrial revolution. The conference is a prominent convention that provides a platform for leading researchers in academia, industry and business

leaders to share and exchange the cutting-edge research ideas under one roof, and discuss relevant future directions. C2I4 is committed to promote the industry-academic interaction and bridge the gap by fostering peer-reviewed paper submissions, keynotes and invited talks. The conference also provides an excellent opportunity for students and researchers to develop their research skills. The conference may recognize one or more papers with selective awards.

## Objectives

- Promote academic-industry interaction with cross-disciplinary interests contributing to Industry 4.0.
- Provide a platform to share and exchange the cutting-edge research ideas.
- Bridge the gap between academia and industry by fostering technical paper submissions, keynotes and invited talks.
- Offer networking opportunities imperative for academic and industry research and development.
- Provide opportunity for budding student and researchers to develop and enhance their research skills.

## Scope of the Conference

The goal of C2I4 conference is to bring out cutting-edge research works carried out in the leading academic institutions, research labs, and industry

contributing to Industry 4.0. To facilitate this, the conference hosts presentations of peer-reviewed original technical papers from academic and industry researchers. Cross-domain contributions from various application areas related directly or indirectly to communication networks, computing, and Industry 4.0 are invited.

## Organising Chair

### Chief Patrons

- Shri K C Ramamurthy : Chairman, CMRGI, Bengaluru.
- Dr. Sabitha Ramamurthy : President, CMRJT, Bengaluru.
- Shri. K R Jayadeep, CEO, CMRGI, Bengaluru.

### Patrons

- Dr. Sanjay Jain, Principal, CMRIT, Bengaluru.
- Dr. B Narasimha Murthy, Vice Principal, CMRIT, Bengaluru.

### General Chair

- Dr. K Chitra, IEEE Senior Member, Professor & HoD, EEE, CMRIT, Bengaluru.

### Organising Secretaries

- Dr. Viji K, IEEE Member, Associate Professor & Head DRC, EEE, CMRIT, Bengaluru.

- Dr. Nageswara Rao Atyam, IEEE Member, Assistant Professor & Head I&E, EEE, CMRIT, Bengaluru.

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- Dr. Ramesh P, CMRIT, Bengaluru
- Prof. Mahesh Kumar Jha, CMRIT, Bengaluru; IEEE Senior Member
- Dr. Soma Pandey, GM JIO Platforms Ltd, Co-Chair, Outreach and Strategic Planning Committee, IEEE Bangalore Section
- Dr. Abhishek M Appaji, Assistant Professor, B.M.S. College of Engineering, Treasurer, IEEE Bangalore Section
- Dr. Preeta Sharan, Professor, The Oxford College of Engineering and Excom Member, IEEE Photonic Society, Bangalore Section.
- Dr. K. Nehru, National University of Singapore, Singapore

### Finance Chair (s)

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- Prof. Sandeep Kumar M, CMRIT, Bengaluru.
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### Steering Committee Chair (s)

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- Prof. P Velraj Kumar, CMRIT, Bengaluru
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- Ms. Neha Kumari, Co-Chair, Chapter and Subsection coordination committee, IEEE Bengaluru Section.

### Advisory Committee

- Dr. Naresh Chand, Associate Vice President, Chapter Relations of IEEE Photonics Society, University of Illinois Urbana-Champaign, Warren, New Jersey, United States.
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## CALL FOR PAPERS

#### COMMUNICATIONS AND NETWORKS

- 5G & Next Generation Technologies
- IoT Networks
- MIMO and OFDM

- Massive MIMO
- Wireless Communication
- Antenna Theory
- RF and Microwave Communication
- Optical Communication
- Machine Learning for Communication
- Satellite Communication systems
- Networks & Security
- Cognitive Radio Networks
- Software Defined Networks
- D2D Communication Open Spectrum Solutions
- Signal Processing, Sensors and Networks

#### Data Science and Advanced Computing

- Big Data Analytics
- Artificial Intelligence
- Internet of Cognitive Things
- Deep Learning
- Computational optimization
- Pattern, Image, and Object Recognition
- Cryptography
- Image Processing
- Human Computer Interaction
- Edge Computing
- SDDC and Cloud Computing

#### Circuits and Systems

- Analog and Digital Circuits
- Nano Technologies

- Power Electronics
- Digital system design and verification and MEMS
- Neural Processors
- Energy Efficient Computing Systems
- Reliable and Fault Tolerant Designs
- Battery management system,
- Power electronics applications,
- Electrical drives and control,
- Power system analysis,
- Renewable energy sources,
- Instrumentation Networks and Software Mechanical,
- Force and Tactile Sensors,
- Biological Inspired Sensors,
- System Modelling and analysis,
- VLSI Design, RF Circuits.

## Registration Details

Category	Registration Fee (Paper up to 6 Pages)			
	IEEE Member		Non IEEE Member	
	India n (INR)	Forei gner (\$)	India n (INR)	Forei gner (\$)
<b>Research Scholas and Students (UG and PG)</b>	3500	150	4500	200
<b>Faculty</b>	4000	200	5500	250
<b>Industry Person</b>	4500	250	6000	300
<b>Listener</b>	1000	100	1500	150

Account Holder's Name : **CMRIT-INTERNATIONAL CONFERENCE**

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Branch : AECS

Layout, Kundalahalli, Bengaluru, 560037

Account No. : **84341021000029**

Account Type : Savings

IFSC Code : **BKID000843**

## Target Dates

Paper Submission : 1<sup>st</sup> July, 2022 - 30<sup>th</sup> September, 2022  
 Acceptance Notification : 30<sup>th</sup> October, 2022  
 Registration & CRC : 5<sup>th</sup> November, 2022  
 Conference Dates : 15<sup>th</sup> And 16<sup>th</sup> December, 2022

Paper Submission  
**c2i4@cmrit.ac.in**

## Contact Details

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### Industrial Automation

- Products for Industry 4.0,
- IoT for smart factories,
- Smart cities,
- Machine Intelligence for disaster,
- Smart manufacturing,
- Remote sensing & GIS,
- Design Automation,
- Robotics and Automation,
- Autonomous Vehicles,
- E-Vehicle modelling and control,
- Mechatronics,
- Nanotechnology.

Website : <http://surl.li/cfauc>