

REVA RESEARCH CONCLAVE(RRC)-2022 Hybrid Conference

2022 Third International Conference on Smart Technologies in Computing Electrical and Electronics (ICSTCEE) **IEEE Conference Record# 56972**

Organised by

R&D Cell in association with School of Computing and Information Technology, REVA University

16th & 17th December, 2022

Technical Sponsor IEEE Bangalore Section &

IEEE Student Branch REVA University (STB20146)







Chief Patron

Dr. P. Shyama Raju

Chancellor, REVA University

Patron

Dr. M. Dhanamjaya

Vice Chancellor, REVA University, India

Dr. Rajashekhar C Biradar

Pro Vice-Chancellor (Engineering), REVA University, India

Dr. Vidya Shankar Shetty

Pro Vice-Chancellor (Planning), REVA University, India

Dr. N. Ramesh

Registrar, REVA University, India

Dr. Beena. G, COE, REVA University, India

Honorary Chair(s):

Dr. B. P. Divakar

Dean, R&I Council, REVA University, India

Dr. Sunilkumar S. Manvi

Dean, Engineering & Technology, REVA University, India

Dr. Pasupuleti Visweswara Rao Director, International Relations, R&I Council REVA University, India

Dr. Karthik Rajendra

Director, Sponsored Research, R&I Council

REVA University, India

Dr. P. Deepa Shenoy Chair, IEEE Bangalore Section, India

Dr. Aloknath De

Chair Elect-2022, IEEE Bangalore Section, India

Shri Puneet Kumar Mishra

Chair -2020, IEEE Bangalore Section, India

Shri Bindhumadhava

Immediate Past Chair, IEEE Bangalore Section, India

General Chair:

Dr. Mallikarjun M Kodabagi

Professor & Deputy Director, School of Computing and Information Technology, REVA University, India

Dr. Vishwanath R Hulipalled

Deputy Director R&I Council, REVA University, India

General Co-Chair:

Dr. Devanathan.M

IEEE Student Branch Counselor, REVA University, India

Dr. Parthasarathy

Associate Professor, School of CIT, REVA University, India

Dr. Thillaiarasu. N

Associate Professor, School of CIT, REVA University, India

Dr. Shrikant S. Tangade

Past Joint Secretary, IEEE Bangalore Section

International & National Technical Advisory Committee:

Dr. Bryan Gardiner, Ulster University, UK

Dr. Shivakumara Palaiahnakote, University of Malaya

Dr. Parthiva Mishra, Principal Scientist, CSIR

Dr. Heru Suhartanto, University of Indonesia, Indonesia

Dr. Eng. Zdzislaw Polkowski

Professor, University Jana, Poland

Dr. S.N. Singh, Professor, IIT, Kanpur

Dr. Udaykumar R. Yaragatti, Director, MNIT, Jaipur

Dr. M. Arunachalam

Retired GM, RPM & SCADA Department, BHEL, Bengaluru

Dr. Shashidhar G Koolagudi

Associate Professor, NITK, Surathkal

Dr. Dattatraya Gaonkar

Associate Professor, NITK, Surathkal

Dr. Samarjeet Borah, Professor, SMIT, Sikkim

Mr. Sudeendra Koushik, IEEE CES, Bangalore, India Prof. Dr. Debabrata Das, IIITB, India

Prof. Dr. S. S. Iyengar, Florida International University, USA

Dr. Anu Kumar Goswami, NIT Silchar

Dr. Anup Panda, NIT Rourkela

Dr. Chitti Babu, IIITDM Kancheepuram

Dr. Bhemappa H, IIIT Sricity

Technical Program Committee:

Dr. Sudharshan K M

Director, School of ECE, REVA University, Chair

Dr. Bharati S H, Professor, School of ECE

REVA University, Chair

Dr. Mrinal Sarvagya

Professor, School of ECE, REVA University, Co-Chair

Dr. Manjunath R Kounte

Associate Professor, Head-ECM, School of ECE, REVA University, Co-Chair

Dr. Abhishek M Appaji, Treasurer, IEEE Bangalore Section, India

Dr. Ritesh Dash

Associate Professor, school of EEE, REVA University

Dr. Viswanath Y

Professor, School of CSE, REVA University, India

Mr. Chengappa

Secretary, IEEE Bangalore Section, Bangalore, India

Dr. Arun Biradar

Professor, School of CSE, REVA University, India

Dr. Arunachalam, Professor, School of EEE

Publication Committee:

Dr. Senthil S

Director, School of CSA, REVA University, Chair

Dr. Venkata Siva Reddy

Professor, School of ECE, REVA University, Chair

Dr. Mohammed Riyaz Ahmed

Associate Professor, School of ECE, REVA University, Co-Chair

Mr. Raghavendra Prasad

Excom, IEEE Bangalore Section-2021, Co-Chair

Dr. Udaya Murthy

Assoc. Prof., School of CIT, REVA University, India

Dr. Muthukumar Balasubramanian

Professor, School of CIT, REVA University, India

Dr. RaviKumar Y B

Assoc. Prof., School of CIT, REVA University, India

Prof. Sowmya Sundari Asst. Prof., School of CIT, REVA University, India

Dr. Aruna Kumar

Asst. Prof., School of CIT, REVA University, India

Local Organizing Committee:

Dr. Raghu C N, Director, School of EEE, Chair

Prof. Geeta D

Professor, School of CIT, REVA University, India, Co-Chair

Prof. P I Basarkod

Professor, School of ECE, REVA University, India, CO-Chair

Dr. Hemanth K S

Assoc. Professor, School of CSA, REVA University, India, Co-Chair

Prof. Syed Muzamil Basha Assoc. Prof., School of CSE, REVA University, India, Co-Chair Dr. Bhaskar Reddy

Professor, School of CSE, REVA University, India

Dr. Prabhakar M

Assoc. Prof., School of CSE, REVA University, India

Dr. Muthireddy P

Prof., School of CIT, REVA University, India,

Dr. Sarvamangala D R

Asst. Prof., School of CIT, RE-VA University, India

Prof. Lalitha L A Asst. Prof., School of CIT, REVA University, India

Prof. Aruna Kumar B

Asst. Prof., School of CIT, REVA University, India **Finance Committee:**

Mr. Vasu, DGM Accounts & Finance, REVA University, India, Chair

Dr. K Narayan Swamy, Professor, School of EEE, REVA University, India, Chair

Mr. P V Swamy, Accounts, REVA University, India, Co-Chair

Prof. Ananda Shankar, Assoc. Prof., School of CIT,

Prof. Manikandan M

Asst. Prof., School of CIT, REVA University, India

Prof. Anitha K, Asst. Prof., School of CIT, REVA University, India

Prof. Burri Ankaiah, Asst. Professor, School of EEE, REVA University, India

Website Chairs:

Dr. Ashwin Kumar U M

Deputy Director, School of CSE ,REVA University, Chair

Dr. Suriya Prakash J

Asst. Prof., School of CSE, REVA University, India, Co-Chair

Prof. Pavankumar Naik Asst. Prof., School of CIT, REVA University, India, Co-Chair

Organizing Coordinators:

Prof. M Mallikarguna Assoc. Prof., SCIT, REVA University

Dr. Geetha C Mara

Assoc. Professor, SCIT, REVA University Mrs. Rashmi C, Asst. Prof., SCIT, REVA University

Mrs. Greeshma Sreejesh

Asst. Prof., SCIT, REVA University Mrs. Bhavana N

Asst Prof SCIT REVA University

Dr. Thillaiarasu N Assoc. Professor, SCIT, REVA University

Mrs. Pavithra S

Asst. Prof., SCIT, REVA University

Dr. Ravi Shankar H Asst. Prof., SCIT, REVA University

Mr. Ragavendra Nayak P

Asst. Prof., SCIT, REVA University

Mr. Surendra Babu, Asst. Prof., SCIT, REVA University Ms. Monisha, Asst. Prof., SCIT, REVA University

Mr. Ravatappa A Bhosagi

Asst. Prof., SCIT, REVA University

Mr. Lithin K, Asst. Prof., SCIT, REVA University

Mr. Manjunath V, Asst. Prof., SCIT, REVA University

Ms. Vijayalaxmi H, Asst. Prof., SCIT, REVA University

Ms. Kavitha D, Asst. Prof., SCIT, REVA University

Mr. Naitik S T, Asst. Prof., SCIT, REVA University

Mr. Akoramurthy B, Asst. Prof., SCIT, REVA University

Call for Papers:

The Third International Conference on Smart Technologies in Computing, Electrical and Electronics (ICSTCEE 2022) will be held at REVA University, Bengaluru, India on 16 & 17th December 2022. REVA University hosts this ICSTCEE conference as a part of REVA Research Conclave (RRC) 2022. RRC is a great platform for encouraging the new generation towards research, innovation and entrepreneurship by listing to outstanding speakers from Academia, Entrepreneurs and Achievers from Industry. It also provides a great platform for budding researchers to get feedback about their quality of research from eminent researchers across the globe.

The ICSTCEE conference presents an open forum for researchers, specialists and designers to exchange the most recent developments and research headways in the areas of cutting-edge computing and hardware technologies, Smart cities, Smart manufacturing, Smart vehicles, and mobile applications. The technical program includes plenary sessions (invited keynote lectures), regular technical sessions, poster sessions, panel discussions and industry exhibition.

Important Points

- 2022 Third ICSTCEE is a flag ship conference, technically sponsored by IEEE Bangalore Section & IEEE Student Branch REVA University.
- All ACCEPTED and PRESENTED papers will be submitted for the possible inclusion in IEEE Xplore Digital Library.
- The previous edition of ICSTCEE-2020 & ICSTCEE-2021 papers are published in IEEE Xplore Digital Library and INDEXED in SCOPUS https://ieeexplore.ieee.org/xpl/conhome/1838804/all-proceedings
- Win the Conference Best Papers Awards for Academia and Industry category.
- Authors of the conference will get a free promo-coupon to attend various plenary sessions associated with the REVA Research Conclave 2022.

Computer Engineering

Database Management Systems Software Engineering Systems Software

Data Communication and Networking

Internet of Things

Management Information System

AI & ML

Bio Inspired Computing

Bioinformatics

Computer Vision

Expert Systems Image Processing

Information Retrieval and Fusion

Big Data

Data Engineering

Data Mining

Data Warehousing

Compiler Design

Computer System and Modelling

Operating System

Parallel and Distributed Computing

Electrical and Electronics

Advanced Control Strategies in Electric Vehicle Smart grid, Micro grid and demand response **Instrumentation Engineering**

New advance in energy storage technologies like battery, Ultra Capacitors, Super Magnetic

Energy Storage Systems, Fuel Cell, etc.

Real time distribution simulation

Renewable Energy Sources

Grid integration of Renewable energy System

Embedded System and IOT application

Power quality and mitigation techniques

FACTS, HVDC, Custom Power devices

High Voltage Engineering

Electric Regulations

Advanced Electrical drives

Induction heating System

VPA: ieeereva@kbl



Electronics and Communication

Signal Processing

VLSI Design

Antenna Engineering

Photonic/Opto Electronic Structures /Devices

Nanophotonics

Consumer Electronics

Smart Electronics Systems

Low Power VLSI Circuits & Mixed Mode VLSI

VLSI Verification and Testing

Robotics and automation

Next Generation Networks

Optical and Photonic Networks

Spread Spectrum Communication

Antenna, Filters, Waveguides

| Paper Submission starts on | 22 th August 2022 |
|--|---------------------------------|
| Last Deadline for Early Bird Submission of papers | 20 th September 2022 |
| Last Deadline for Submission of papers | 10 th October 2022 |
| Notification of Acceptance | 30 th October 2022 |
| Submission of camera-ready paper and Registration | 15 th November 2022 |

IMPORTANT DATES

Paper Submission

Paper Submission Link:

https://reva.University/ICSTCEE2022

Note: Click on above link to Submit the paper

Conference Website:

https://www1.reva.edu.in/icstcee-2022/

Early and Regular Submission Registration Details

| Author Category | Early Bird (Indian) (Rupees) | Early Bird (Foreign) (USD) | Regular (Indian) (Rupees) | Regular (Foreign) (USD) |
|-------------------------|------------------------------|----------------------------|---------------------------|-------------------------|
| IEEE Student Member | 3000 | 55 | 3700 | 75 |
| Non-IEEE Student Member | 4400 | 80 | 5300 | 110 |
| IEEE Member | 5000 | 94 | 6100 | 125 |
| Non-IEEE Member | 7200 | 135 | 8800 | 180 |

Note: Only those authors submit paper(s) before Early submission deadline are eligible to get the above Discounts (*Registration Fee is Excluding 18% GST)

For Any Queries Please contact:

Dr. Vishwanath R Hulipalled, REVA University Email ID: vishwanath.rh@reva.edu.in Mobile: +91-9448239726

Dr. Parthasarathy, REVA University Email ID: parthasarathy.g@reva.edu.in Mobile: +91-9894883558

Dr. Devanathan M, REVA University Email ID: devanathan.m@reva.edu.in Mobile: +91-74183 32829

Dr. N. Thillaiarasu, REVA University Email ID: thillaiarasu.n@reva.edu.in Mobile: +91-9677582756

Conference Mail ID: icstcee@reva.edu.in