

7th International Conference on

COMPUTATIONAL SYSTEMS & INFORMATION TECHNOLOGY FOR SUSTAINABLE SOLUTIONS - (CSITSS-2023)

NOVEMBER 2-4, 2023

ORGANISED BY

RV College of Engineering ®

In association with



Florida International University

VISION

Leadership in Quality Technical Education, Interdisciplinary Research and Innovation, focusing on Sustainable and Inclusive Technology.

MISSION

- To deliver outcome-based quality education, emphasizing on experiential learning with state-of-the-art infrastructure.
- To create a conducive environment for interdisciplinary research and innovation.
- To develop professionals through holistic education focusing on individual growth, discipline, integrity, ethics and social sensitivity.
- To nurture industry-institution collaboration leading to competency enhancement and entrepreneurship.
- To focus on technologies that are sustainable and inclusive, benefiting all sections of the society.

ABOUT RVCE

RV College of Engineering (RVCE) established in 1963 is one of the earliest self-financing engineering colleges in the country. The institution is run by Rashtreeya Sikshana Samithi Trust (RSST) a not-for-profit Trust. RVCE is an Autonomous college. Currently, the institution offers 15 Bachelors, 14 Master Programs and all the departments have Research Centres, affiliated to Visvesvaraya Technological University (VTU) Belagavi. The institution has set itself a Vision "Leadership in Quality Technical Education, Interdisciplinary Research & Innovation, With a Focus on Sustainable and Inclusive Technology"

Recent awards and achievements include - Ranked 89th in the Country by National Institutional Ranking Framework (NIRF: 2022), QS-IGUAGE -Diamond University Rating (2021-2024), ranked 1501+ in Times Higher Education World University Rankings-2022, "Excellent" rating in ARIIA Ranking-2021 and NPTEL (Local Chapter) "A" Rating & Max. No. of NPTEL Sta₹

The institution has to its credit over 1500 National and International Journal & Conference publications, filed 06 patents, 12 published patents, 17 granted patents, completed sponsored research and consultancy projects worth ₹ 16.0 crores in the last three yea₹ The institution has established Centres of Competence (7) and Centres of Excellence (17) in various domains. The students have won awards and accolades in national and international competitions.

ABOUT CONFERENCE

The 7th International Conference on "Computational Systems and Information Technology for Sustainable Solutions [CSITSS — 2023]" focuses on bringing together leading academicians, scientists, researchers, industry representatives, postdoctoral fellows and research scholars around the world to share their knowledge and research expertise in **Renewable, Robotics, Computing, Communication, E-mobility, Embedded, (R2C2E2)** from 2nd to 4th, November 2023.

The conference has been successfully organised for the past six years with participants from all over India and abroad. All peer-reviewed, selected and presented papers from the conference will be submitted for possible inclusion in IEEE digital library. The present version of the CSITSS-2023 aims to achieve higher standards by attracting original research works in the domain of **R2C2E2**. International speakers will deliver keynote talks on the latest technologies in these domains. The CSITSS-2023 ensures to provide a platform for researchers around the globe for knowledge exchange and networking.

CALL FOR PAPERS

Prospective authors are encouraged to submit quality and original research papers for presentation at the Conference. Authors are requested to submit their manuscripts in PDF format not exceeding 6 pages in A4 size through online submission at Microsoft CMT - on or before **28th August 2023**.

The manuscript should follow the standard IEEE template. The format of the paper can be downloaded in the link below

https://www.ieee.org/conferences/publishing/templates.html.

All submissions for the conference will be handled electronically and submitted papers will be peer-reviewed by domain experts. To submit the papers, use the Microsoft CMT Link mentioned below:

https://cmt3.research.microsoft.com/CSITSS2023.

CONFERENCE TRACKS

Authors are invited to submit their original research work in the following (but not limited to)

Track 1: Renewable Energy & Power System

- Power Systems & HVDC
- Power Electronics and Industrial Drives
- Renewable Energy Systems & Grid Integration
- Microgrids and Smart Grids
- Power System Protection, Monitoring & Control
- Computational Intelligent Techniques
- for Energy Sustainability
- Power System Resilience & Cyber Security

Track 2: Robotics & Automation

- Sensors for Smart Systems (IoT/Healthcare etc,.)
- Industrial & Home Automation
- Robotics and Advanced Control Applications
- Biomedical Applications
- Virtual Instrumentation
- UAV/Drone Technology
- Wearable and Implantable Body Sensor

Track 3: Communication

- 5G and beyond 5G Technology
- Image/Video/Audio Processing
- Optical Communication and Networks
- Radar, Sonar and Lidar Applications
- Microwave and Wireless Networking
- Software Defined Networking (SDN)
- Social Media Networks
- Ultra-Wideband and Green Communications

Track 4: Computing & Intelligent systems

- Computer Networks and Cyber Security
- Machine Intelligence
- Web and Mobile Applications
- Computing Environments (Cloud, Distributed, etc.)
- Internet of Things / Edge Systems
- Augmented, Virtual Reality and Extended Reality
- Data Analytics
- Block Chain
- Computer Vision and Pattern Recognition
- Metaverse

Track 5: E-Mobility & Sustainable Systems

- Hybrid Energy Storage & BMS
- Smart City & Smart Energy System
- Fuel-cell-based transport
- EV/HEV Design, HIL, SIL & Annotation
- EVs and PHEVs Charging, V2G Strategies
- Autonomous Vehicle and Intelligent Guidance,
- Safety Assessment
- Modelling, Simulation and Control of EV Systems

Track 6: Embedded systems & VLSI design

- Analog/ Digital /Mixed Signal/RF System Designs
- Advances in CAD for VLSI
- Embedded Systems Design
- Low-Power Digital Architectures
- Test & Reliability of Machine Learning Systems
- Microsystems/MEMS/Sensors Test
- Pre-silicon, Post-silicon: Debug, Verification and Validation

REGISTRATION

At least one of the authors should register to participate in the Conference. The payment mode is mentioned in the conference website. Registration is compulsory for participation in the Conference. Authors can present two papers for single registration.

Authors and participants are requested to download the registration form from the conference website and submit the filled form to the Email ID: csitss2023@rvce.edu.in

REGISTRATION DETAILS

• Beneficiary Name: PRINCIPAL, RVCE

Bank Account Number: 136010112055

• Bank Name: KOTAK MAHINDRA BANK

• Branch Name: RVCE Campus, Bengaluru

IFSC Code: KKBK0008053SWIFT Code: KKBKINBB

PRICING DETAILS

Early Bird Registration Before September 15, 2023: Indian Deligates Foreign Deligates

• Students: ₹ 4000/- \$ 75 • Faculty/Industry: ₹ 5000/- \$ 100

Regular Registration From September 16, 2023:

• Students (IEEE Members): ₹ 5000/-\$100 ₹ 6500/-• Students (Non-IEEE Members): \$130 • Faculty (IEEE Members): ₹ 6000/-\$ 125 ₹ 8000/-• Faculty (non-IEEE Members): \$ 160 • Industry Professionals (IEEE Members): ₹ 10,000/-\$ 200 • Industry Professionals (Non-IEEE Members): ₹ 13.500/-\$ 240 • Pre- Conference Tutorial: 500/-\$ 50

IMPORTANT DATES

Submission of Full-length Manuscript (opens from):

Last date to submit Full-length Manuscript:

Notification of Acceptance:

Early Bird Registration (on or before):

Submission of Camera-ready Manuscript

and Copyright form:

28th June 2023

28th August 2023

12th September 2023

28th August 2023

22th September 2023

Last Date for Registration:

6th October 2023

Pre-Conference Tutorial:

2nd November 2023

Conference Dates: 2nd-4th November, 2023

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