



RV College of
Engineering®



IEEE
BANGALORE SECTION

6th INTERNATIONAL CONFERENCE ON

Computational Systems & Information Technology for Sustainable Solutions [CSITSS-2022]

Conference Record #57437

ORGANISED BY
RV College of Engineering®

IN ASSOCIATION WITH

FIU | FLORIDA
INTERNATIONAL
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IEEE Bangalore Section

21st TO 23rd DEC 2022

VISION

Leadership in Quality Technical Education, Interdisciplinary Research and Innovation, with a focus 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), “Excellent” rating in ARIIA Ranking-2021 and NPTEL (Local Chapter) “AA” Rating & Max. No. of NPTEL Stars.

The institution has to its credit over 1500 National and International Journal & Conference publications, filed over 50 patents, 49 published patents, 15 granted patents, completed sponsored research and consultancy projects worth Rs. 20.0 crores in the last three years. The institution has established Centres of Competence (5) and Centres of Excellence (17) in various domains. The students have won awards and accolades in national and international competitions.

ABOUT THE CONFERENCE

The 6th International Conference on “Computational Systems and Information Technology for Sustainable Solutions [CSITSS – 2022]” focusses to bring together leading academicians, scientists, researchers, industry representatives, postdoctoral fellows and research scholars around the world to share their knowledge and research expertise in **SPICCE (Sensors, Processors, Intelligent systems, Computing, Communication and Energy solutions)** from **21st to 23rd December 2022**.

The conference has been successfully organised for the past five years with participants from all over India and abroad. All peer reviewed, selected and presented papers of the conference will be submitted for possible inclusion in IEEE digital library. The present version of the CSITSS-2022 aims to achieve higher standards by attracting original research works in the domain of SPICCE. International speakers will deliver the keynote talks on the latest technologies in these domains. The CSITSS-2022 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 25th October 2022**. The manuscript should follow the standard IEEE template. The format of the paper could be downloaded in link below <https://www.ieee.org/conferences/publishing/templates.html>.

All submission 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/CSITSS2022>.

CONFERENCE TOPICS

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

Track1: Sensors: Sensors, Automation and Process control

- ◆ Sensors for Smart Systems (Health Care/IoT systems/Agriculture, etc.)
- ◆ Wearable electronics
- ◆ Industrial/Home Automation
- ◆ Bioinformatics
- ◆ Non-invasive Biomedical devices
- ◆ Robotics
- ◆ Advanced control Applications

Track 2: Processors: VLSI Design and Embedded Systems

- ◆ Analog/ Digital /Mixed Signal/RF System Designs
- ◆ Static Timing Analysis, Physical design, Circuit Design and Layouts
- ◆ Emulation, Verification: Pre-silicon, Post-silicon and Validation
- ◆ H/W and S/W acceleration, IPs for system designs Testing-ATE, DFT, MBIST, Scan
- ◆ Machine Learning on Hardware/Neural Processing units
- ◆ High reliable Systems

Track 3: Intelligent Systems

- ◆ Modeling and Simulation
- ◆ Natural Language Processing
- ◆ Computer Vision and Pattern Recognition
- ◆ Data Science and Big Data Analytics
- ◆ Augmented and Virtual Reality
- ◆ Artificial Intelligence and Machine Learning
- ◆ Smart City
- ◆ Smart Transport Systems

Track 4: Computing

- ◆ Cyber security and Block-chain
- ◆ Web and Mobile Applications
- ◆ Human-Computer Interaction
- ◆ Internet of Things/ Cyber Physical Systems
- ◆ Soft Computing
- ◆ Knowledge-based Systems
- ◆ Cloud and Edge Computing
- ◆ Social Computing and Networks
- ◆ Autonomic Software Systems

Track 5: Communication

- ◆ Sensor Networks
- ◆ Channel Models for mmwave and THz
- ◆ Signal Processing for RADAR, SONAR and LiDAR
- ◆ Speech/Image/Video Processing
- ◆ MIMO and Multicarrier Modulation
- ◆ 5G and Beyond 5G Communications
- ◆ IoT networks and Integration with cellular
- ◆ Optical Communication
- ◆ Software Defined Radio/ Networks

Track 6: Energy Systems

- ◆ Energy management for smart mobility
- ◆ Intelligent Energy management and sustainable solutions
- ◆ Computational Intelligence for energy management
- ◆ Autonomous Electric vehicles
- ◆ Renewable energy systems
- ◆ Power System and High Voltage DC Transmission
- ◆ Wireless Power Transfer
- ◆ Battery Technology
- ◆ Industrial Drives and Automation

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: csitss2022@rvce.edu.in

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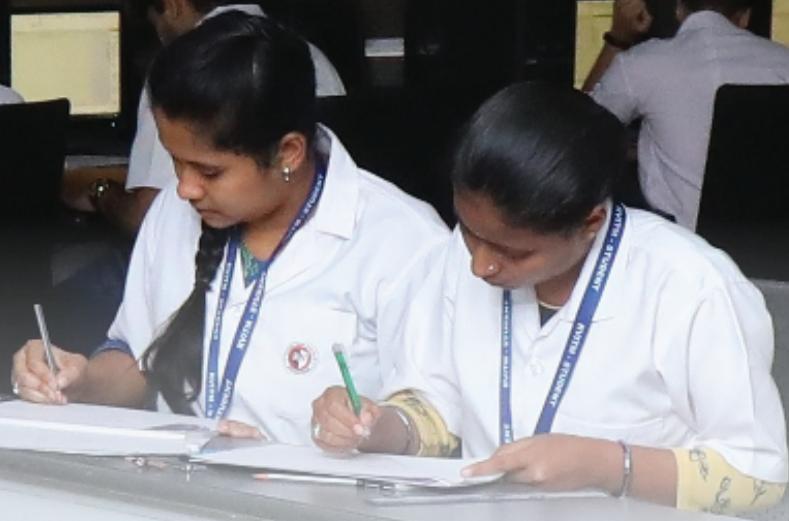
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Pre- Conference Tutorial	500/-	USD 50

*Inclusive of 18% GST

IMPORTANT DATES

- Submission of Full-length Manuscript(opens from): ----- 25th August 2022
- Last date to submit Full-length Manuscript:----- 25th October 2022
- Notification of Acceptance: ----- 10th November 2022
- Early Bird Registration:----- Before 15th November 2022
- Submission of Camera-ready Manuscript and Copyright form: ----- 31st November 2022
- Last Date for Registration: ----- 31st November 2022
- Pre-Conference Tutorial:----- 21st December 2022
- Conference Dates: ----- 21st-23rd December 2022

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