

IEEE Mysurucon 2022

IEEE Mysurucon 2022 is a flagship international conference of IEEE Mysore subsection co-organized and hosted by JSS Science and Technology University, Mysuru on 16th and 17th October 2022.

Department of Electronics and Communication Engineering of Sri Jayachamarajendra College of Engineering at JSS STU, Mysuru was the organizing department.

Inauguration function of the IEEE Mysurucon 2022, was held on 16th Oct 2022 at 10:00am in the Quadrangle of Sri Jayachamarajendra College of Engineering (constituent college of JSS Science and Technology University, Mysuru).

Inauguration function was presided by **Dr. A. N. Santosh Kumar**, Vice Chancellor, JSS STU, Mysuru. The chief guest **Prof Dr Ho Chin Kuan (Vice Chancellor, Asia Pacific University of Technology and Innovation, Malaysia)** and Guests of Honour **Dr H C Nagaraj (Principal, NMIT, Bengaluru)** and **Dr. H. R. Mahadevaswamy** (Joint Director, TED, JSSMVP) addressed the delegates.



Dr Ho Chin Kuan, Vice Chancellor, Asia Pacific University of Technology and Innovation Malaysia, in his plenary talk, addressed the role of Artificial Intelligence in achieving net zero in producing carbon emissions in our environment.



Congratulating the organizers, Vice Chancellor of JSS STU, **Dr A. N. Santosh Kumar** said that conferences like IEEE Mysurucon 2022 complement in our efforts to improve the quality of technical education and research. JSS STU will continue to work with IEEE by organizing more such activities in future, he said.

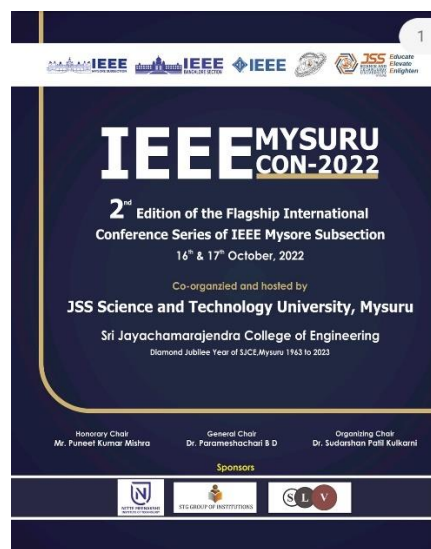


Dr H. R. Mahadevaswamy, Joint Director, TED of JSSMVP, highlighted importance of IEEE Mysurucon 2022, in the era of Electric and Hybrid Vehicles, 5G, Robotics and AI.



Dr B. S. Harish (Deputy Registrar, JSS STU), Dr. S. B. Kivade (Principal, SJCE) were present along with Dr. B. D. Parameshachari (Chair, IEEE Mysore Subsection), Dr Sudarshan Patilkulkarni (Organizing Chair, MYSURUCON), Dr. U. B. Mahadevaswamy (HoD, Dept of Electronics & Communication, SJCE, JSS STU).

Dignitaries released the proceedings of IEEE Mysurucon 2022 containing the messages of eminent people associated with the conference and abstracts of 484 accepted papers.



The Technical Program consisted of the following 7 keynote speakers:

Sl No	Name and Designation	Date	Time
1	Prof Dr Ho Chin Kuan , Vice Chancellor, Asia Pacific University of Technology and Innovation Malaysia	16-10-2022	12:00 PM to 12:30 PM (SJCE, JSS STU)
2	Prof Dr Hamid Reza Karimi , Professor, Politecnico of Milano, Milan, Italy	16-10-2022	12:30 PM to 1:00PM (SJCE, JSS STU)
3	Mr. Soenil Soebdar , Founder CEO SOEBIT Cyber Security, Penetration Tester & Senior Cryptographic specialist, Netherlands	16-10-2022	4:00 PM to 4:30PM (Online)
4	Dr Giancarlo Fortino IEEE Fellow Full Professor of Computer Engineering, University of Calabria, CANADA	17-10-2022	10:30 AM to 11:30AM (Online)
5	Dr Ioannis Krikidis IEEE Fellow, Associate Professor University of Cyprus, Cyprus	17-10-2022	4:30 PM to 5:00 PM (Online)
6	Dr David Camacho IEEE Senior Member, Full Professor, Technical University of Madrid, Spain	17-10-2022	5:00 PM to 5:30 PM (Online)
7	Ms Jyotika Athavale President Elect, IEEE Computer Society, Functional Safety Architecture, NVIDIA, USA	17-10-2022	5:30PM to 6:00 PM (Online)

Papers Received:

IEEE Mysurucon 2022 had received, in total more than 1800 papers from academic institutions, industries across the globe. Out of which more than 300 papers were received from other countries, which include:

Brazil, Bangladesh, China, Ethiopia, Germany, Indonesia, Malaysia, Namibia, Saudi Arabia, Spain, South Africa, Tunisia, Turkey, Yemen.

Papers were also received from top 50 NIRF ranking institutions, such as Indian Institute of Technology Bhubaneshwar, NIT Tiruchy, NITK Suratkal, NIT Raipur, MIT Manipal and VIT, Vellore.

Following are the 8 tracks under which papers were received and presented:

Track 1: Computer Networks and Security

Track 2: Computer Vision and Pattern Recognition

Track 3: Antenna Design and Telecommunication

Track 4: Power, Energy and Power Electronics

Track 5: Robotics, VLSI and Embedded Systems

Track 6: Computing system and its application

Track 7: Machine Design, Material Design and Emerging Technologies

Track 8: Systems Science and Engineering

Review Process, Acceptance and Publication:

Each paper was checked for plagiarism and reviewed by three reviewers for quality. Approximately 800 reviewers from various Engineering colleges across India participated in the review process.

Among the papers received, 484 papers were accepted and presented in 8 tracks and distributed into 57 sessions. All accepted papers will be published in IEEE Xplore database and indexed in SCOPUS.

Best Paper Awards:

Following papers presented in IEEE Mysurucon 2022, based on the evaluations done by two session chairs won the best paper awards in each track:

Sl No	Paper ID	Track	Title	First Author	Affiliation
1	1127	1	Clustering-based routing protocol using FCM-RSOA and DNA cryptography algorithm for smart building	V. Sivasankar Reddy	Sathyabhama Institute of Science and Technology, Chennai
2	370	1	Performance of Reconfigurable Intelligent Surface assisted D2D Network	Pradeep Kumar	VIT, Vellore
3	441	2	Maximum Amplitude Spectra of Propagating Guided Waves in Thin Isotropic Structure Employing Circular and Rectangular PZT Array Sensors	C N Satyanarayana	CSIR-National Aerospace Laboratories, Bengaluru
4	712	2	Streaming and rendering of 3D dynamic scene in a network virtual environment by predictive modelling	Vani Vasudevan	Nitte Meenakshi Institute of Technology, Bengaluru
5	330	3	Planar Endfire Mutibeam Antenna Implementation for Millimeter Wave 5G Applications using a Passive Beam Switching Network	Sagar Juneja	Chitkara University, Chandigadh
6	327	4	Performance analysis of Power factor improved Single-switch zeta (ssz) Converter based BLDC Motor for Exhaust Fan Applications	Praveen Kumar Chandran	Sri Ramakrishna Engineering College, Coimbatore
7	334	5	Low-power High-speed Folded MCML-based Frequency Divider for High-frequency Applications	Kurla Chandrika	Amrita School of Engineering, AVV, Bengaluru

8	149	5	FPMS: A Fog based Poultry Monitoring System	Adwitiya Mukhopadhyaya	Amrita School of Arts and Sciences, AVV, Mysuru
9	1082	6	Analysis of Native Multi-Model Database: ArangoDB	Rajat Belagundi	
10	824	6	Reversible Adder Circuits (RAC) realization using Quantum Technologies	Kavitha S. S.	National Institute of Engineering, Mysuru
11	1081	7	Sonic Boom Reduction by Structural Optimization of Aircraft	Nanda Sunilkumar	College of Engineering, Coimbatore
12	1166	8	Role of Blockchain Technology in Agriculture Supply Chain: A Systematic Literature Review	Daniel Shadrach	KPR Institute of Engineering and Technology, Arsur

Overall, IEEE Mysurucon 2022 received appreciation from guests and participants for its execution and it was a grand success!

SPKulkarni

Dr. Sudarshan Patilkulkarni

Organizing Chair,

IEEE Mysurucon 2022