

|| Jai Sri Gurudev ||



Sri Adichunchanagiri Shikshana Trust (R)
SJC Institute of Technology

Chickballapur - 562101, Karnataka, India



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ESTD : 1986



**IEEE International Conference on Knowledge Engineering and Communication Systems
(ICKECS-2022)**

Date: 28th & 29th December, 2022

Organized by

SJC Institute of Technology, Chickballapur

In association with IEEE Bangalore section

CONFERENCE SUMMARY REPORT



ABOUT THE CONFERENCE: International Conference on Knowledge Engineering and Communication Systems (ICKECS - 2022) is intended to provide a common platform to the Research Scholars, Academicians, Scientists, Industrial Practitioners and Engineers in frontline evolutionary and challenging fields. ICKECS–2022 will act as a premier forum for researchers and practitioners interested in advances and applications of Knowledge Engineering, Image Processing and Communication Systems. It is an opportunity to observe the latest research trends and recent ideas in these areas. ICKECS-2022 aims to strengthen relationships between Industries, Organizations and Institutions. The foremost objective is to create a networking stage for intellectuals, to exchange their ideas and findings for technological evolution to benefit society. It is expected to bring the global researcher community together for knowledge sharing, innovation and technological achievements. Authors are solicited to contribute to the conference by submitting articles that illustrate research results, projects, experiment works and industrial experiences that describe significant advances within the scope of the conference

Knowledge Engineering

Intelligent Information Processing Systems

Data Warehousing, Data Mining, Web Mining and Knowledge Management

Data grids, Cloud Computing, Big Data, Data Science and Predictive Analytics

Computer Graphics and Animation, Computer Vision, Content Based Image Retrieval, HCI and Multi-Dimensional Indexing

Artificial Intelligence, Expert Systems, NLP, Machine Learning and Soft Computing Applications

Quantum Computing and High-Performance Computing

Digital Image Processing, Knowledge Engineering in IOT

Bio-Medical Image Processing, Image Databases and Bio-informatics

User Experience, Device Mesh, Digital Duals, Automation

Web Technologies and Nano-technology

Modelling, Simulation and Monitoring Techniques

Coding and Processing, Virtual and Augmented Reality

Grid Networks and High-Speed Networks

Video Streaming Graphics and Network Data Analysis Reinforcement Learning

Smart Grid and Smart Technologies

Software Engineering, Software Architecture, E-Business, E-Learning
Technology Relevant to COVID – 19 pandemic

Communication Systems

Computer Communication Systems - Wireless, Ad-hoc, 4G;5G;6G Communications

Sensor Multimedia and MIMO Communications

Emerging Technologies in Network Communications and Signal Processing

Optical, Mesh Networks and IOT

Protocol Engineering, Network Control and Service Architectures

Resource Coordination and Management

Quality of Service in Communications

Queuing Network Models Communication and Information Systems Security

Satellite and Space Communications

Simulation and Automation

Quantum Information Theory

Channel Estimation

Acoustic Communication

Signals and Systems

Power electronics

Instrumentation and Control in Electronic Devices.

Robotic and Control Systems

Signal, Image and Video Processing

Electrical Vehicular Systems

VLSI and Embedded Systems

INAUGURATION: The conference started with seeking the Divine Blessings of his Holiness Jagadguru Padmabhushana Sri Sri Sri Dr.Balagangadharanatha Mahaswamiji and seeking the Divine Blessings of his Holiness Jagadguru Sri Sri Sri Dr.Nimalanandanatha Mahaswamiji and with the blessings of Sri Sri Mangalanatha Swamiji.

Dr. Manjunatha Kumar BH, Technical Program Chair, HOD, CSE, SJC Institute of Technology, Chickballapur welcomed the gathering. Dr. B N Shobha, Organizing Chair, HOD, Dept of Electronics & Communication Engineering spoke about the conference.

AGENDA - Inauguration

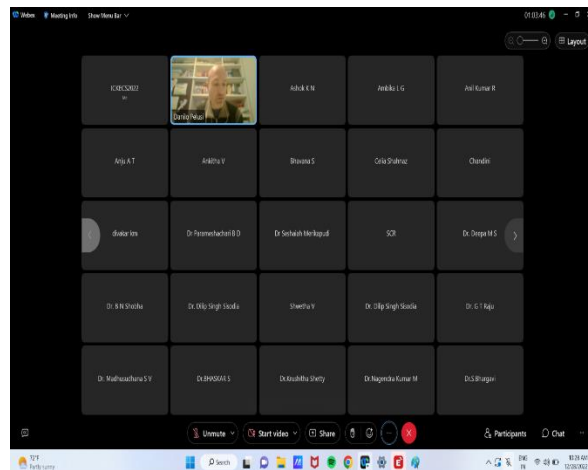
Platform: Webex

Date: 28th December, 2022

Time: 10:00 AM - 11.05 AM

Master of Ceremony:		
Time	Activity	Presenter
10:00-10:05	Invocation	Pavithra
10:05-10:10	Welcome Address	Dr. Manjunatha Kumar B. H. , Technical Program Chair
10:10-10:15	About the Conference	Dr. B. N. Shobha , Organizing Chair
10:15-10:20	Release of Conference Proceedings	
10:20-10:25	Address by: Chief Guest	Dr. Danilo Pelusi , University of Teramo, Italy
10:25-10:30	Address by: Chief Guest	Dr. Celia Shanaz , IEEE WIE Chair-Elect, Bangladesh
10:30-10:35	Address by: Chief Guest	Dr. Dilip Singh Sisodia , National Institute of Technology Raipur, Chhattisgarh, India.
10:35-10:40	Address by: Guest of Honor	Dr. Parameshchhari B. D. , Professor, Nitte Meenakshi Institute of Technology, Bangalore, IEEE Mysore Subsection Chair, IEEE ITS Bangalore Chapter, India.
10:40-10:45	Address by: Guest of Honor	Dr. Hemalatha K. L. , Dean (SW) SKIT, Bengaluru, India
10:45-10:55	Address by Principal	Dr. G. T. Raju , General Chair
10:55-11:05	Vote of Thanks	Prof. Sathish Chandra Reddy , Publication Chair

Inaugural function photos:

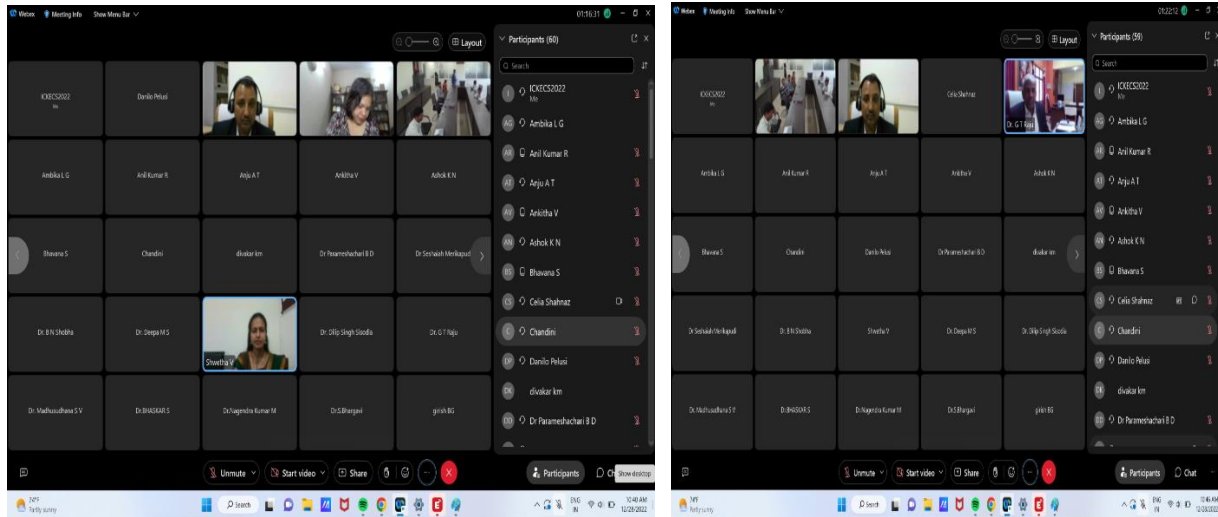


The conference is inaugurated by Dr G T Raju, Principal and chief guest Dr. Danilo Pelusi and Dr. Parameshchhari B. D and other dignitaries.

More than 220 delegates from various states of India and abroad attended the First International Conference on Knowledge Engineering and Communication Engineering (ICKECS-2022).

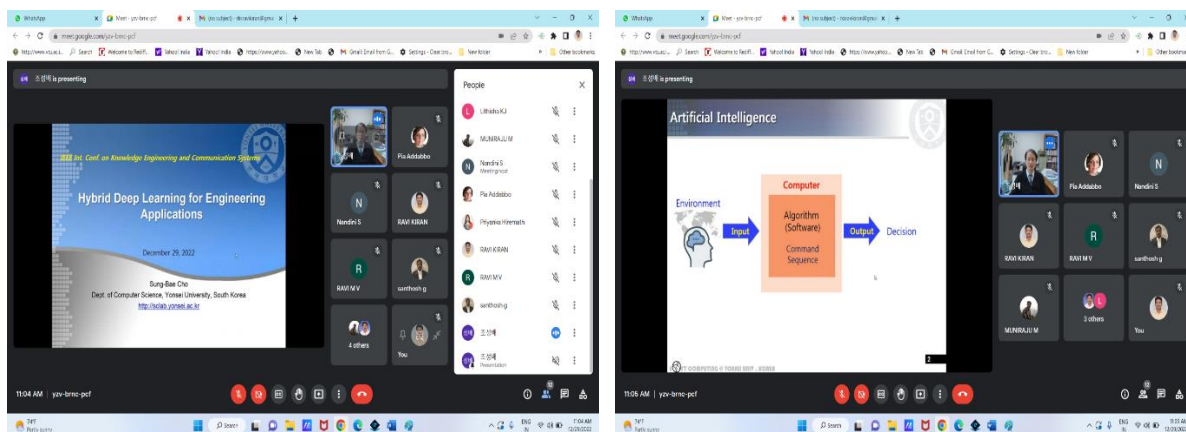
The conference inaugural function ended with presidential address by Dr, G T Raju, Principal, SJGIT.

Prof. Sathish Chandra Reddy, Associate Professor and Head, Department of ISE, S J C Institute of Technology delivered Vote of thanks.

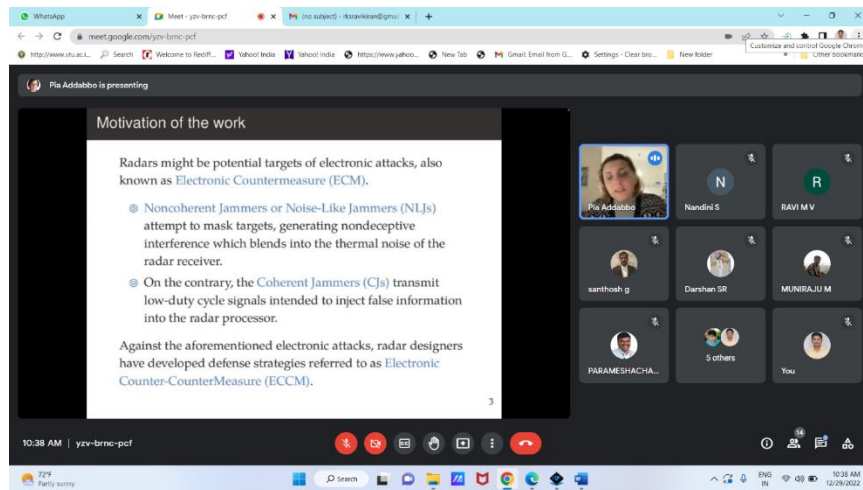


KEYNOTE SPEECHES: Keynote lectures by experts in various fields was arranged to inspire the participants and provide an exposure to various aspects of science and technology.

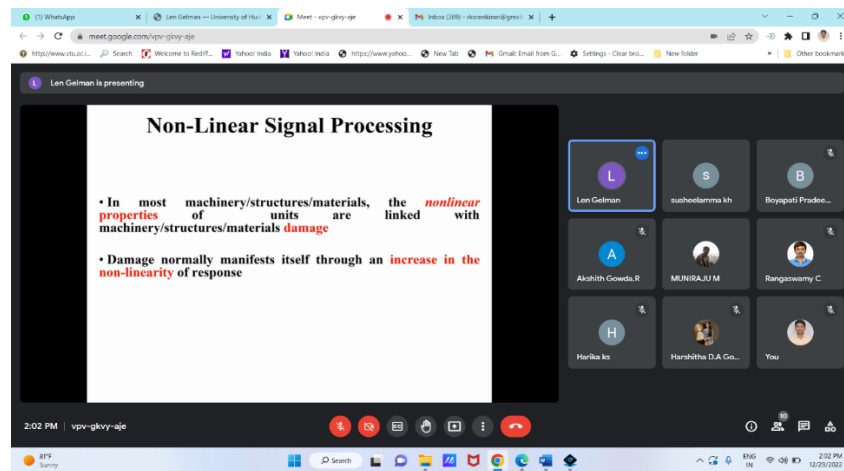
Dr. Hai Dong, RMIT, University, Melbourne, Australia delivered a lecture on “Hybrid Deep Learning for Engineering Applications” on 28th December 2022 at noon.



Dr. Sung-Bae Cho, Yonsei University, South Korea delivered a lecture on “Electronic Countermeasure (ECM)”.



Len gelman, University of telamo, Bangladesh delivered a lecture on “Non-Linear Signal Processing” on 29th December 2022 at noon.



CONFERENCE PAPERS RECEIVED:

Total number of 907 papers were received for ICKECS-2022. Out of these 85 papers were selected and presented in the conference.

Session Schedule

Platform: Google Meet
Date: 28th December, 2022

Time	Session	Internal Session Chair	Faculty Coordinator	Google Meet Link	Paper ID
1:30 PM – 02:45 PM	Session 1	Dr. Bhaskar S	Prof. Manjunath S	Click Here to join Session 1	ICKECS3444, ICKECS9874, ICKECS9180, ICKECS7999, ICKECS5347
	Session 2	Dr. Bhargavi S	Prof. Ravi M V	Click Here to join Session 2	ICKECS3533, ICKECS2534, ICKECS5835, ICKECS9302, ICKECS9540
	Session 3	Prof. Aravind TejasChandra	Prof. Srivani E N	Click Here to join Session 3	ICKECS9864, ICKECS7874, ICKECS8096, ICKECS1394, ICKECS8194
	Session 4	Dr. Nagendra Kumar M	Prof. Sri Ramu D S	Click Here to join Session 4	ICKECS6493, ICKECS1049, ICKECS7637, ICKECS2933, ICKECS2305
	Session 5	Dr. Vijay G R	Prof. SreeHari harathi	Click Here to join Session 5	ICKECS1922, ICKECS5276, ICKECS1607, ICKECS4566, ICKECS1763
03:00 PM – 03:30 PM	Keynote Speech 1		Prof. Shwetha G R	Click Here to Join Keynote Speech	Dr. Hai Dong , RMIT University, Melbourne, Australia
3:45 PM – 4:45 PM	Session 6	Dr. Manjunatha Kumar B H	Prof. Pradeep Kumar GM	Click Here to join Session 6	ICKECS3012, ICKECS0762, ICKECS0862, ICKECS1035, ICKECS3833
	Session 7	Dr. SVN Murthy	Prof. Suresh Kumar H S	Click Here to join Session 7	ICKECS1636, ICKECS6747, ICKECS8296, ICKECS6526, ICKECS7179
	Session 8	Dr. Bharathi M	Prof. Madhu R	Click Here to join Session 8	ICKECS9290, ICKECS9583, ICKECS4596, ICKECS9255, ICKECS0517
	Session 9	Dr. Sessaiah M	Prof. Manjunath P V	Click Here to join Session 9	ICKECS5984, ICKECS8638, ICKECS0477, ICKECS5731, ICKECS2004
	Session 10	Dr. Vikas Reddy S	Prof. Kiran Kumar P N	Click Here to join Session 10	ICKECS0148, ICKECS1565, ICKECS5738, ICKECS4046

Platform: Google Meet
Date: 29th December, 2022

Time	Session	Internal Session Chair	Faculty Coordinator	Google Meet Link	Paper ID
10:00 AM – 10:30 AM	Keynote Speech 1		Prof. Nandini S	Click Here to Join Keynote Speech	Dr. Sung-Bae Cho , Yonsei University, South Korea
11:00 AM – 12:30 PM	Session 1	Dr. Bhaskar S	Prof. Manjunath S	Click Here to join Session 1	ICKECS0544, ICKECS0964, ICKECS1067, ICKECS1335, ICKECS1336
	Session 2	Dr. Bhargavi S	Prof. Ravi M V	Click Here to join Session 2	ICKECS1358, ICKECS1362, ICKECS1364, ICKECS1365, ICKECS1368
	Session 3	Dr. Levy M	Prof. Srivani E N	Click Here to join Session 3	ICKECS1370, ICKECS1372, ICKECS1376, ICKECS1378, ICKECS1382
	Session 4	Dr. Nagendra Kumar M	Prof. Sri Ramu D S	Click Here to join Session 4	ICKECS1385, ICKECS1388, ICKECS1395, ICKECS1404, ICKECS1405
02:00 PM – 02:30 PM	Keynote Speech 2		Prof. Susheelamma KH	Click Here to Join Keynote Speech	Dr. Danilo Pelusi , University of Teramo, Italy
3:00 PM – 4:45 PM	Session 5	Dr. Sudir P	Prof. SreeHari harathi	Click Here to join Session 5	ICKECS1410, ICKECS1046, ICKECS6264, ICKECS7730, ICKECS7853
	Session 6	Dr. Manjunatha Kumar B H	Prof. Pradeep Kumar G M	Click Here to join Session 6	ICKECS8830, ICKECS9495, ICKECS9900, ICKECS2118
	Session 7	Dr. SVN Murthy	Prof. Suresh Kumar H S	Click Here to join Session 7	ICKECS7155, ICKECS8543, ICKECS4838, ICKECS2159, ICKECS2739

Coordinator	Technical Program Chair	Organizing Chair	General Chair
(Ravikiran R Dr. C Ranga Swamy, Dr. Vikas Reddy S, Girish B G)	Dr. Manjunatha Kumar B H	Dr. B N Shobha	Dr. G T Raju

Publication Chair

Prof. Satheesh Chandra Reddy
