

IEEE CONECCT 2026

12th IEEE International Conference on Electronics, Computing and Communication Technologies

July 02-05, 2026 | The Chancery Pavilion, Residency Road, Bengaluru, India

Conference Program

Instructions to Presenters:

- Every accepted paper (in all tracks) must be presented in person to be included in the conference proceedings
 - **Regular paper:** Oral talk will get **15 mins (12+3 mins)** to present the paper
 - **Special track paper:** Oral talk will get **10 mins (8+2 mins)** to present the paper
 - **WiP:** FLASH talk of 5 min + Printed A0-size poster **in portrait mode** for presentation
 - poster board will be provided
 - **Posters:** FLASH talk of 5 min + Printed A0-size poster **in portrait mode** for presentation
 - poster board will be provided
 - **Demos:** FLASH talk of 5 min + Demo setup for presentation & display
 - table + extension board will be provided
-

Conference Halls:

- SIGMA (Lobby Floor)
 - ESQUIRE (Basement 2)
-

Day-1: July 02, 2026 (THURSDAY)				
09:30 - 10:00	Inauguration and Opening Remarks Address by General Co-Chairs Address by TPC Co-Chairs			
10:00 - 11:00	Keynote: Decision Control Dr. M. Vidyasagar, FRS Distinguished Professor and Formerly SERB National Science Chair Indian Institute of Technology (IIT), Hyderabad			
11:00 - 11:30	Tea Break			
11:30 - 13:00	[ST]	[2.2] MedTech	[5.1] Robotics & Automation	[5.2] System Engineering
	SIGMA-1	SIGMA-2	ESQUIRE-1	ESQUIRE-2
	☐ [ST2] 2564 ☐ [ST2] 2647 ☐ [ST5] 2653 ☐ [ST5] 2669 ☐ [ST1] 2655 ☐ [ST1] 2657 ☐ [ST4] 2658 ☐ [ST5] 2663 ☐ [ST6] 2664	☐ 1561 ☐ 1798 ☐ 1905 ☐ 2021 ☐ 1197	☐ 0669 ☐ 0696 ☐ 0719 ☐ 1006 ☐ 1022 ☐ 1270	☐ 0259 ☐ 1578 ☐ 1887 ☐ 2052 ☐ 2088 ☐ 1274
13:00 - 14:00	Lunch Break			
14:00 - 15:30	[6.3] Industrial Automation	[2.2] MedTech	[4.1] Computer Engineering	[4.2] Computational Intelligence
	SIGMA-1	SIGMA-2	ESQUIRE-1	ESQUIRE-2
	☐ 0459 ☐ 0890 ☐ 1219	☐ 0399 ☐ 0457 ☐ 1076 ☐ 1122 ☐ 1192	☐ 1883 ☐ 0803 ☐ 0492 ☐ 1685 ☐ 1891 ☐ 1705	☐ 1135 ☐ 1707 ☐ 0950 ☐ 2034 ☐ 1442 ☐ 1875
	[Demo]			
	☐ 2501 ☐ 2594			
	[Poster/WIP]			
	☐ 2651 ☐ 2689 ☐ 2710 ☐ 2763 ☐ 2764 ☐ 2767			

15:30 - 16:00	Tea Break			
16:00 - 17:30	[3.4] Comms. & Networking	[5.1] Robotics & Automation	[4.1] Computer Engineering	[4.2] Computational Intelligence
	SIGMA-1	SIGMA-2	ESQUIRE-1	ESQUIRE-2
	☐ 2066 ☐ 1944 ☐ 1240 ☐ 2103 ☐ 0881 ☐ 1746	☐ 1350 ☐ 1933 ☐ 1939 ☐ 2074	☐ 1380 ☐ 1086 ☐ 2063 ☐ 0823 ☐ 0482 ☐ 1959	☐ 0995 ☐ 1917 ☐ 1715 ☐ 0694 ☐ 1925 ☐ 1161
		[1.2] Autonomous Silicon		
		☐ 0714 ☐ 1029		

Day-2: July 03, 2026 (FRIDAY)

09:30 - 11:00	[4.1] Computer Engineering	[4.2] Computational Intelligence	[3.1] Antennas and Microwave	[3.4] Comms. & Networking
	SIGMA-1	SIGMA-2	ESQUIRE-1	ESQUIRE-2
	☐ 1170 ☐ 1729 ☐ 1116 ☐ 1156 ☐ 1178 ☐ 0281	☐ 1246 ☐ 0915 ☐ 1041 ☐ 0999 ☐ 0288 ☐ 1845	☐ 1021 ☐ 1569 [6.1] Immersive Technologies ☐ 904 ☐ 1829	☐ 1351 ☐ 0974 ☐ 1756 ☐ 1217 ☐ 1024 ☐ 1741
11:00 - 11:30	Tea Break			
11:30 - 12:15	Plenary-1: From Deep Seas to Deep Space: The Transformative Potential of LiFi and Visible Light Communications Dr. Vivek Bohara Professor (ECE) & Dean (Innovation, Research and Development) Indraprastha Institute of Information Technology (IIIT), Delhi			
12:15 - 13:00	Plenary-2: From Models to Teammates: Building Trustworthy AI Copilots Dr. Ramasuri Narayanam Senior Research Scientist - II Adobe Research, Bengaluru			
13:00 - 14:00	Lunch Break			
14:00 - 15:30	[4.1] Computer Engineering	[4.2] Computational Intelligence	[2.1] Signal Processing	[3.3] Information Theory
	SIGMA-1	SIGMA-2	ESQUIRE-1	ESQUIRE-2
	☐ 1482 ☐ 1083 ☐ 1176 ☐ 1186 ☐ 1687	☐ 0393 ☐ 0599 ☐ 1360 ☐ 1492 ☐ 1994 ☐ 1127	☐ 0971 ☐ 2107 ☐ 0452 ☐ 1984 ☐ 2017	☐ 0941 ☐ 1163 ☐ 1221 ☐ 1760 ☐ 1827
15:30 - 16:00	Tea Break			
16:00 - 17:30	[4.1] Computer Engineering	[4.2] Computational Intelligence	[4.1] Computer Engineering	[4.2] Computational Intelligence
	SIGMA-1	SIGMA-2	ESQUIRE-1	ESQUIRE-2
	☐ 1591 ☐ 1868 ☐ 1013 ☐ 0984 ☐ 1894 ☐ 1631	☐ 0757 ☐ 1315 ☐ 1261 ☐ 1434 ☐ 1359 ☐ 1363	☐ 2035 ☐ 2013 ☐ 1653 ☐ 1597 ☐ 0935 ☐ 1109	☐ 2108 ☐ 2110 ☐ 0720 ☐ 1034
				[6.2] Power Electronics
				☐ 0681 ☐ 1767

Day-3: July 04, 2026 (SATURDAY)

09:30 - 11:00	[1.1] Future Circuits	[2.1] Signal Processing	[3.2] Photonics	[4.2] Computational Intelligence
	SIGMA-1	SIGMA-2	ESQUIRE-1	ESQUIRE-2
	☐ 0217 ☐ 1190 ☐ 1199 ☐ 1392 ☐ 1414 ☐ 1068	☐ 0204 ☐ 0951 ☐ 1419 ☐ 1020 ☐ 1735 ☐ 1196	☐ 1686 ☐ 1773 ☐ 1410 ☐ 2111 ☐ 1626	☐ 1254 ☐ 1583 ☐ 1067 ☐ 1284 ☐ 1520 ☐ 1948
11:00 - 11:30	Tea Break			
11:30 - 12:15	Plenary-3: Robotics & Autonomous Systems Dr. Suresh Sundaram Chair, Robert Bosch Centre for Cyber Physical Systems & Professor, Department of Aerospace Engineering Indian Institute of Science (IISc), Bangalore			
12:15 - 13:00	Thought Leadership Forum: Trusted • Secure • Resilient • Systems <i>From Trusted Hardware to Connected Healthcare, Energy, Computing and Communications Systems</i> Panelist • [TBA] • [TBA] • [TBA] • [TBA] • [TBA]			
13:00 - 14:00	Lunch Break			
14:00 - 15:30	[2.1] Signal Processing	[3.2] Photonics	[4.2] Computational Intelligence	[4.2] Computational Intelligence
	SIGMA-1	SIGMA-2	ESQUIRE-1	ESQUIRE-2
	☐ 1837 ☐ 1568 ☐ 1154 ☐ 0922 ☐ 1995	☐ 0559 ☐ 0758 ☐ 1111 ☐ 1194 ☐ 1779 ☐ 2042	☐ 1604 ☐ 1671 ☐ 1874 ☐ 1880 ☐ 1278 ☐ 0898	☐ 0357 ☐ 1881 ☐ 1934 ☐ 2077 ☐ 0027 ☐ 2082
	[2.2] MedTech			
	☐ 1657			
15:30 - 16:00	Tea Break			
16:00 - 17:00	[4.1] Computer Engineering	[4.3] Remote Sensing	[7.1] Engineering Education	
	SIGMA-1	SIGMA-2	ESQUIRE-1	
	☐ 1882 ☐ 0112	☐ 1980 ☐ 1983	☐ 1168 ☐ 1539	

	☐ 1921	☐ 0396	☐ 1662	
17:00 - 17:30	Valedictory and Award Ceremony Closure of Conference			

Day-4: July 05, 2026 (SUNDAY)	
IEEE Bangalore Section Business Meet ESQUIRE HALL The Chancery Pavilion, Residency Road, Bengaluru, India (INVITE ONLY)	

Paper Presentations

Day-1: July 02, 2026 (THURSDAY)

Special Tracks | SIGMA-1 | 11:30 - 13:00

CMT ID	Paper Details
2564	L-VLA:Efficient Multimodal Decision-Making Framework for Integrated Perception-Action <i>Monika Arora (BITS PILANI)*</i>
2647	SC-YOLO: An Enhanced Model for Printed Circuit Board Assembly Defect Detection and Classification <i>Vinod Kumar Ancha (SR University, Warangal); Ramesh Vaddi (GITAM School of Technology, Hyderabad); Venkateswarlu Gonuguntla (Symbiosis center for Medical Image Analysis)*</i>
2653	GreenMind: A Transparent Reinforcement-Learning Framework for Precision Crop Recommendation and Autonomous Greenhouse Management <i>Arushi Biswas (NITK)*; Akhilesh Negi (NITK); Rohil Sharma (NITK); Nagamma Patil (NITK)</i>
2669	Safety-Aware High Accuracy Sensing Solution for Low Power Industrial IoT <i>Praveen Natarajan (Texas Instruments Inc)*; Sandeep Rao (Texas Instruments Inc); Arun Shrimali (Texas Instruments Inc); Sharan S S (Texas Instruments Inc)</i>
2655	MLIG: Leveraging Machine Learning for Reduced Instruction Functional Coverage of RISC-V Processor <i>Abhay G Krishna (PES University)*; Akshay C N (PES University); Jugal Modi (PES University); Madhusudana A V (PES University); Sudeendra Kumar K (PES University)</i>
2657	Explainable AI for Cross-Stage Fault Detection and Verification Optimization in VLSI Design <i>Dharini K H (RV University); Roopesh Ramesh (RV University)*</i>
2658	An Integrated Blockchain Architecture for Secure Digital Certificate Storage and Validation <i>Anoop Kumar Pandey (C-DAC)*; Harsh Vardhan Singh (C-DAC); Balaji R (C-DAC); S D Sudarsan (C-DAC)</i>
2663	Prediction of Respiratory Disease Risk Based on Air Quality Trends in Urban Cities <i>Pranay Vunnam (SRM Univeristy)*; Ketha Raj Vardhan Jalagam (SRM Univeristy); Dr. Karpagam M (SRM Univeristy)</i>
2664	Cross-Subject EEG Feature Selection via Wasserstein-1 Ranking and Bootstrap Validation <i>Himasagar Ullamgunta (Indian Institute of Information Technology Sricity)*; Annushree Bablani (Indian Institute of Information Technology Sricity); Himangshu Sarma (Indian Institute of Information Technology Sricity)</i>

2.2: MedTech | SIGMA-2 | 11:30 - 13:00

CMT ID	Paper Details
1561	Scheduling for High-Dense Healthcare IoT (H-IoT) in Beyond 5G Networks <i>Navin Kumar (Amrita University)*; Venkata Ramana Nithya Sree Lakshmi (Amrita Vishwa Vidyapeetham, School of Engineering Bengaluru); Satyakumar V (Samsung Research Institute Bangalore); Seungil Yoon (Samsung Electronics)</i>
1798	Compact UWB Antenna for Early Osteosarcoma Detection via Microwave Imaging <i>Manpreet Kaur (Mody University of Science and Technology)*; Jeetu Sharma (Mody University of Science and Technology); Tarun Panwar (Thapar Institute of Engineering and Technology)</i>
1905	Harnessing Hybrid AI for Intelligent Scheduling Optimization in Multi-Specialty Operating Theatres: A Neural Network-Enhanced Genetic Algorithm Approach <i>Animesh Giri (PES University)*; Ritu Reddy P (PES University); Reanna Netto (PES University)</i>
2021	Hybrid Feature Fusion and Pretrained Embeddings for Neonatal Asphyxia Diagnosis from Acoustic Cry Analysis <i>Sumedha Tatti (Dayananda Sagar College of Engineering)*; Aditi Anil Kulkarni (Dayananda Sagar College of Engineering); Smruthi Arun Kumar (Dayananda Sagar College of Engineering); Sriraam N (Dayananda Sagar College of Engineering)</i>
1197	Explainable Federated Learning for Fetal Head Circumference Monitoring over Distributed Medical

	Networks Shreyansh V (Manipal Institute of Technology Bengaluru)*; Panchadip Bhattacharjee (Manipal Institute of Technology Bengaluru); Somyajeet Arukh (Manipal Institute of Technology Bengaluru); Saksham Garg (Manipal Institute of Technology Bengaluru); Dhruvi A (Manipal Institute of Technology Bengaluru); Gururaj H L (Manipal Institute of Technology Bengaluru)
5.1: Robotics & Automation ESQUIRE-1 11:30 - 13:00	
CMT ID	Paper Details
0669	Autonomous Lime Harvesting Using Vision-Guided 5-DOF Robotic Arm Nirban Roy (Institute of Engineering & Management, Salt Lake, Kolkata)*; Zeba Rahman (Institute of Engineering & Management, Salt Lake, Kolkata); Parna Roy (Institute of Engineering & Management, Salt Lake, Kolkata); Biswadip Basu Mallik (Institute of Engineering & Management, Salt Lake, Kolkata)
0696	Comparative Analysis of MARL Algorithms for Warehouse Automation with Realistic Constraints Sharukh Shaik (Amrita Vishwa Vidyapeetham)*; Amudha J (Department of Computer Science and Engineering, Amrita school of computing, Bengaluru)
0719	Aerothermal-Elasticity Analysis of Mobile Robot using Fuzzy Logic Controller in Harsh Environment Vamsi Venkata Krishna Mandru (Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Bengaluru.)*; Jaswant G (Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Bengaluru); Sarda Sharma (Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Bengaluru); Sandeep Singh Chauhan (Netaji Subhash University of Technology, Delhi)
1006	QR - Based Precision Landing System for Drones Mamatha A S (NMAM INSTITUTE OF TECHNOLOGY)*; N S K Abhiram (NMAM INSTITUTE OF TECHNOLOGY); Apurv Pathak (NMAM INSTITUTE OF TECHNOLOGY); Chinthamani Sai Krishna (NMAM INSTITUTE OF TECHNOLOGY); Nikhil Aaithal (NMAM INSTITUTE OF TECHNOLOGY); Mamtha Mohan (RAMAIAH INSTITUTE OF TECHNOLOGY)
1022	Robust Anomaly Detection in Cyber-Physical Systems under Multi-Attack Adversarial Threats Vishal Kumar (IIT Jodhpur); Suraj Srivastava (IIT Jodhpur)*
1270	Learning Smooth Expert-Like Actions: DAQ-L with QP Control Lyapunov Constraints for Safe Manipulation Rishabh Srivastava (IIT Jodhpur); Himanshu Pathak (IIT Jodhpur); Suraj Srivastava (IIT Jodhpur)*
5.2: System Engineering ESQUIRE-2 11:30 - 13:00	
CMT ID	Paper Details
0259	Noise-Aware Domino Logic Gates using Differential Domino Technique: A Comprehensive Review and Analysis Dr Sarfraz Hussain (REVA University)*; Nisha K (REVA University); Keerthana M (REVA University); Punyashree B K (REVA University); Pavithra M (REVA University)
1578	Resource Allocation in Cloud Radio Access Network using Hybrid Cloud Model Navin Kumar (Amrita University)*; Sreeja Kochuvila (Amrita Vishwa Vidyapeetham, School of Engineering Bengaluru); Satya Kumar Vankayala (Samsung R&D Institute India Bangalore); Srihari Das Sunkada Gopinath (Samsung R&D Institute India Bangalore); Seungil Yoon (Samsung Electronics)
1887	Performance Characterization of Data Streaming Accelerators in Server SoC AnilKumar Komanduru (Intel)*; Jagdish Gopalakrishnan (Intel corporation); Anil Bindu Lingambudi (Intel corporation); Gokulakrishnan Thanigachalam (Intel corporation)
2052	Performance Characterization of Server SoC for AI & Synthetic Workloads AnilKumar Komanduru (Intel)*; Anil Bindu Lingambudi (Intel corporation); Mamatha B R (Intel corporation); Abhinav Gupta (Intel corporation)
2088	Prosody Enhanced Speech to Text Punctuation Restoration Using Cross-Attentive Neural Modeling sreedakshinya singarajubv (National Institute of Technology Karnataka); Keerthan Kumar T G (Siddaganga Institute of Technology)*; Shashidhar G Koolagudi (National Institute of Technology Karnataka)
1274	A System-Level Comparative Evaluation of Real-Time Edge AI Workloads on Raspberry Pi 5 and Jetson Orin Nano Yatheendra Nath Reddy Devasani (GITAM Deemed to be University, Bengaluru)*; Dr Sunita Panda (GITAM Deemed to be University, Bengaluru); Prof Prithvi Sekar Pagala (GITAM Deemed to be University, Bengaluru)

Day-1: July 02, 2026 (THURSDAY)

6.3: Industrial Automation | SIGMA-1 | 14:00 - 15:30

CMT ID	Paper Details
459	Enhanced Battery Management System Through Digital Twin Technology <i>Dr.Anirudh Reddy (B V RAJU INSTITUTE OF TECHNOLOGY)*; VISHNU BALMURI (B V RAJU INSTITUTE OF TECHNOLOGY); Vamshi Krishna B (B V RAJU INSTITUTE OF TECHNOLOGY); Vasudeva Reddy (B V RAJU INSTITUTE OF TECHNOLOGY); SaiPrasanna K (B V RAJU INSTITUTE OF TECHNOLOGY); Sangeetha B (B V RAJU INSTITUTE OF TECHNOLOGY)</i>
890	Cyber-Physical System Framework for Energy-Optimized Building Energy Management <i>Darpan Thanki (Pandit Deendayal Energy University); Hitanshu Parikh (Pandit Deendayal Energy University); Achyut Bhandari (Pandit Deendayal Energy University); Devlina Adhikari (Pandit Deendayal Energy University)*</i>
1219	Design of a Modular Low-Power Embedded Platform for Real-Time Industrial IoT <i>Darpan Thanki (Pandit Deendayal Energy University)*; Heet Donda (Pandit Deendayal Energy University); Unnati Chaturvedi (Pandit Deendayal Energy University); Yajurvi Patel (Pandit Deendayal Energy University); Narendra Vishwakarma (Pandit Deendayal Energy University)</i>

Demo | SIGMA-1 | 14:00 - 15:30

CMT ID	Paper Details
2501	Design and ASIC Implementation of a Decision Making System for Bone Fracture Detection <i>Ankit Ayushman (Bangalore Institute of Technology)*; C Giridhar Bhat (Bangalore Institute of Technology); Neil Dsouza (Bangalore Institute of Technology); Nithin Gowda (Bangalore Institute of Technology)</i>
2594	AlertMate: A Low-Cost, Wearable IoT Locket With On-Device Inference For Reliable Fall Detection In Vulnerable Users With Multi-Channel Alerts <i>Revanth N (IIIT Surat); Nitin Kumar Mishra (IIIT Surat); Aditya Kharde (IIIT Surat); Rakesh Kumar Nayak (IIIT Surat); Sejal Rathod (IIIT Surat)*; Kaustubh Dhondge (IIIT Surat)</i>

WIP/Poster | SIGMA-1 | 14:00 - 15:30

CMT ID	Paper Details
2651	Jurisdiction-Aware Regulatory RAG with xLSTM Memory for Multi-Turn Medical Device Classification <i>S L RICHRIS (Amrita Vishwa Vidyapeetham, Amritapuri)*; Aleena Sebastian (Amrita Vishwa Vidyapeetham, Amritapuri)</i>
2689	Software-Defined Smart Stadium Networks: An EVPN-VXLAN Architecture with Intelligent Multicast Distribution and Zero-Trust Security <i>tathagata nandy (Hewlett Packard Enterprise)*</i>
2710	Beyond Words and Borders: DigniFY for Multi-Modal, Multilingual Hate Speech Detection with Large Language Models <i>Tirath Bhathawala (Dwarkadas J Sanghvi College of Engineering)*; Aniket Kore (Dwarkadas J Sanghvi College of Engineering); Anushree Patkar (Dwarkadas J Sanghvi College of Engineering); Madhav Patel (Dwarkadas J Sanghvi College of Engineering); Nachiket Jain (Dwarkadas J Sanghvi College of Engineering)</i>
2763	Embedded Deep Learning Framework for Lithium-Ion Battery State of Health Estimation Using Charging Data <i>Srikanth V (Ramaiah Institute of Technology)*; Lakshmi Srinivasan (Ramaiah Institute of Technology); Reshma Verma (Ramaiah Institute of Technology)</i>
2764	Detection of LSB Steganography in Grayscale Images Using a Stacked Ensemble Model <i>Ayan Dasgupta (Heritage Institute of Technology)*; Sabyasachee Banerjee (Heritage Institute of Technology)</i>
2767	Dual RIS Enabled Cooperative NOMA with Ambient Backscatter Communications <i>Rashmita Badhai (NIT DURGAPUR)*; Priyanka Ghosh (NIT DURGAPUR); Sanjay Dhar Roy (NIT DURGAPUR); Sumit Kundu (NIT DURGAPUR)</i>

2.2: MedTech | SIGMA-2 | 14:00 - 15:30

CMT ID	Paper Details
399	Hybrid, Intelligent Body Area Network Design Using Molecular, UWB, and THz Communications for Green mHealth <i>Aayush Raj Kapoor (BITS Pilani, Rajasthan); Sainath Bitragunta (BITS Pilani, Rajasthan)*</i>
457	SpikeSense: A Smart Contactless, Low-Power, Low-Cost, Edge-Based System for Real-Time Detection of Beverage Contamination to Ensure Women's Safety <i>Dev Gupta (IIIT Surat)*; Kinnari Dodiya (IIIT Surat); Kaustubh Dhondge (IIIT Surat)</i>
1076	Molecular Generation for Drug Discovery: A Lightweight GRU-Based Approach for Property-Guided Drug Discovery <i>Desu Sree Vardhan (RV University Bengaluru); Jeethu Devasia (RV University)*</i>
1122	Characterizing Normal Human Sleep Using EEG-based Brain Functional Connectivity <i>Anjali Naik (NIT Rourkela); Anusha A S (NIT Rourkela)*</i>
1192	Differentiable Hardware-Aware Quantum Neural Architecture Search for Resource-Constrained Medical Imaging <i>Sanvi Sharma (Manipal Institute of Technology Bengaluru)*; Panchadip Bhattacharjee (Manipal Institute of Technology Bengaluru); Somyajeet Arukh (Manipal Institute of Technology Bengaluru); Nishanth Shet (Manipal Institute of Technology Bengaluru); Gururaj H L (Manipal Institute of Technology Bengaluru); Dayananda P (Manipal Institute of Technology Bengaluru)</i>

4.1: Computer Engineering | ESQUIRE-1 | 14:00 - 15:30

CMT ID	Paper Details
1883	StreamSentry: A Multimodal Deepfake Detection Framework for Edge Devices with Dynamic Sliding Window Temporal Anchoring Protocol <i>Aarif Zafar (Samsung R&D Institute Bangalore)*; Hitesh Donepudi (Samsung R&D Institute Bangalore); Rajesh Kumar Panda (Samsung R&D Institute Bangalore); Sagar Maliye (Samsung R&D Institute Bangalore); Nikhil Sahni (Samsung R&D Institute Bangalore); Renju Chirakarotu Nair (Samsung R&D Institute Bangalore)</i>
803	Preference-Attended Multi-Objective Decision Transformer <i>Nishit Bhardwaj (Samsung Semiconductor India Research)*; Ankur Deshwal (Samsung Semiconductor India Research)</i>
492	Bridging the Gap: A Comparative Analysis of MITRE ATT&CK and the Unified Kill Chain Frameworks in Cybersecurity Defense <i>Ronit Sirodariya (Kadi Sarva Vishwavidyalaya)*; Om Bhinsara (Kadi Sarva Vishwavidyalaya); Srushti Vekariya (Kadi Sarva Vishwavidyalaya); Hetvi Belani (Kadi Sarva Vishwavidyalaya); Jalpa Khamar (Kadi Sarva Vishwavidyalaya)</i>
1685	A Comparative Study of Machine Learning Algorithms for Symptom-Based Multi-Disease Prediction <i>Ankitha K (Nitte (Deemed to be University), NMAM Institute of Technology (NMAMIT), Nitte)*; Preethi Deepak Javali (Nitte (Deemed to be University), NMAM Institute of Technology (NMAMIT), Nitte); Prithvi Shenoy (Nitte (Deemed to be University), NMAM Institute of Technology (NMAMIT), Nitte); Rhiona Dsouza (Nitte (Deemed to be University), NMAM Institute of Technology (NMAMIT), Nitte); Rishona Dsouza (Nitte (Deemed to be University), NMAM Institute of Technology (NMAMIT), Nitte)</i>
1891	PermSentinel: Context-Aware Detection of Excessive Background Permission Usage in Android Applications <i>Mukesh Sahani (Samsung Research)*; Shubhi Vijayvergiya (Samsung Research); Navneet Kumar Ojha (Samsung Research); Vivekanandan sreenivasan (Samsung Research); Rajesh Kumar Panda (Samsung Research); Nikhil Sahni (Samsung Research); Renju Chirakarotu Nair (Samsung Research)</i>
1705	Self-Learning Hybrid Load Balancing: A Numerical Thrift Approach for Virtualized HP <i>Bhavya M (Ramaiah institute of technology)*; Dhruv Agrawal (Ramaiah Institute of Technology); Chitranshu Ajmera (Ramaiah Institute of Technology); Ayush Jain (Ramaiah Institute of Technology); Nishit Das (Ramaiah Institute of Technology)</i>

4.2: Computational Intelligence | ESQUIRE-2 | 14:00 - 15:30

CMT ID	Paper Details
1135	Multi-Level Constraint-Aware Agent Planning with Attentive Reasoning and Feedback Optimization Moushumi Mahato (Samsung Research Institute, Bangalore)*; Shifali Agrahari (Indian Institute of Technology, Guwahati); Sunil Sahu (Samsung Research Institute, Bangalore); Jayantha Gowda Sarapanahalli (Samsung Research Institute, Bangalore); Nagaraj Yendeti (Samsung Research Institute, Bangalore); Javaid Nabi (Samsung Research Institute, Bangalore)
1707	Transformer-Based Semantic Evaluation of Telugu–English Code-Mixed Viva Responses LEEKHITH NUNNA (Amrita Vishwa Vidyapeetham); K. S. G. Yeseswini (Amrita Vishwa Vidyapeetham); Susmitha Vekkot (Amrita Vishwa Vidyapeetham); Deepa Gupta (Amrita Vishwa Vidyapeetham)*
950	A Potential-Field Guided Chaotic Opposition-Based Sparrow Search Algorithm for Global Optimization Krishna Jain (Indian Institute of Information Technology , Sri City)*; Sukhmani Chhabra (Indian Institute of Information Technology , Sri City); Annushree Bablani (Indian Institute of Information Technology , Sri City)
2034	Stroke Detection and Rehabilitation Assistance Using Deep Learning and Computer Vision Techniques Sania Boban (Rajagiri School of Engineering and Technology)*; Sandra Kurien (Rajagiri School of Engineering and Technology); Suranjana Rajendran (Rajagiri School of Engineering and Technology); Sreemaya Rajan (Rajagiri School of Engineering and Technology); Meenu Mathew (Rajagiri School of Engineering and Technology)
1442	Multimodal Database Modeling: Mitigating Cognitive Load in Schema Prototyping via Voice-Augmented Visual Interfaces Rahul Pai (Sahyadri College of Engineering And Management)*; Vineeth KHM (Sahyadri College of Engineering And Management); Chirag Shetty (Sahyadri College of Engineering And Management); Gautham Nayak (Sahyadri College of Engineering And Management); Chaithrika Aditya (Sahyadri College of Engineering And Management)
1875	AdaptiCore: Feature-Variance-Guided Ensemble of PatchCore and PaDiM for Unsupervised Industrial Anomaly Segmentation Shreyansh Avasthi (Manipal Institute of Technology Bengaluru)*; Panchadip Bhattacharjee (Manipal Institute of Technology Bengaluru); Somyajeet Arukh (Manipal Institute of Technology Bengaluru); Shreya L (Manipal Institute of Technology Bengaluru); Nishanth Seth (Manipal Institute of Technology Bengaluru); Dayananda P (Manipal Institute of Technology Bengaluru)

Day-1: July 02, 2026 (THURSDAY)

3.4: Comms. & Networking | SIGMA-1 | 16:00 - 17:30

CMT ID	Paper Details
2066	Multiple Infection Risk Score Computation Preserving Privacy of Individual Infection Status <i>Ankit Shaw (Indian Institute of Information Technology, Guwahati)*; Anupam Pattnayak (Raja Narendra Lal Khan Women's College, Midnapore); Subhasish Dhal (IIIT Guwahati)</i>
1944	MultiHub: Smart Home IoT Hub Coordination Framework for Energy-Efficient Sensing <i>Syam Sidhardhan (Samsung R&D Institute Bangalore)*; T K Ramesh (Amrita Vishwa Vidyapeetam, Bengaluru); Atonu Ghosh (Samsung R&D Institute Bangalore); Inpyo Kang (Samsung Electronics); Dongwook Lee (Samsung Electronics)</i>
1240	AI-Enabled V2X Framework For Improving Tourism in Hilly Regions <i>Asem Debala Chanu (Indian Institute of Information Technology Guwahati); Yash Singhal (Indian Institute of Information Technology Guwahati); Manas Khatua (Indian Institute of Technology Guwahati); Shubha Nath (Indian Institute of Information Technology Guwahati)*</i>
2103	Leveraging Machine Learning for Sensor-Enhanced Network Switching for Seamless Connectivity <i>Prajwal Ranjan (Samsung R&D Institute India, Bangalore (SRI-B))*; Jamsheed Manja Ppallan (Samsung R&D Institute India, Bangalore (SRI-B)); Jitender Sajwan (Samsung R&D Institute India, Bangalore (SRI-B)); Nandini Jaryal (Samsung R&D Institute India, Bangalore (SRI-B))</i>
0881	A Robust and Lightweight Authentication Protocol for UAV Swarm Communications using HKDF-based Key Derivation and AEAD <i>Aryan Mondal (SRM Institute of Science and Technology)*; Abhradeep Basak (SRM Institute of Science and Technology); Thanga Revathi S (SRM Institute of Science and Technology)</i>
1746	Socket Sense: Smart Data Termination Detection for Minimizing Telecom Downlink Overhead <i>Srihari Das Sunkada Gopinath (Samsung R&D Institute India Bangalore)*; Jamsheed Manja Ppallan (Samsung R&D Institute India Bangalore); Gunjan Kumar Choudhary (Samsung R&D Institute India Bangalore)</i>

5.1: Robotics & Automation | SIGMA-2 | 16:00 - 17:30

CMT ID	Paper Details
1350	DIGITAL TWIN-BASED DESIGN AND FLIGHT FEASIBILITY ANALYSIS OF AN ORNITHOPTER <i>Nandini Rao (CMRIT)*; AM Chiranth (CMRIT); Amar Kabbakki (CMRIT); D R Tejas (CMRIT)</i>
1933	Risk-Aware Cooperative Aerial-Ground System for Adaptive Autonomous Navigation and Transport <i>Shriram Hari (Indian Institute of Technology Hyderabad)*; Aashish Sahu (Indian Institute of Technology Hyderabad); R Prasanth Kumar (Indian Institute of Technology Hyderabad)</i>
1939	SEMAP: A Simulation Environment for Management of Autonomous Polyculture <i>Amrutesh Maitra (Indian Institute of Science)*; Aditi P Kulkarni (Ramaiah Institute of Technology); Nitya Ahuja (Indian Institute of Science); Rishika Bandyopadhyay (RVCE Bangalore); Roshni Maiti (Indian Institute of Engineering Science and Technology); Debasish Ghose (Indian Institute of Science)</i>
2074	A Priority Based Global Path Planning for Precision Agricultural Applications <i>Roshni Maiti (Indian Institute of Engineering Science and Technology); Nitya Ahuja (Indian Institute of Science); Aditi P Kulkarni (Ramaiah Institute of Technology); Rishika Bandyopadhyay (RVCE Bangalore); Amrutesh Maitra (Indian Institute of Science)*; Debasish Ghose (Indian Institute of Science)</i>

1.2: Autonomous Silicon | SIGMA-2 | 16:00 - 17:30

CMT ID	Paper Details
0714	High Sensitivity Touch Mode MEMS Capacitive Pressure Sensor Architecture with Perforated Square Diaphragm and Crab Leg Meander Support Structure <i>ROHIT KANTHALIYA (VIT VELLORE); SUMIT JINDAL (VIT VELLORE)*</i>

1029	GAT-ZSL: Zero-Shot Hardware Trojan Detection With Graph Attention Networks <i>Bhoomishree Gowda (PES University)*; Anagha Sujith (PES University); Apoorva P N (PES University); Abhiram Bhat (PES University); Nirmala Devi M (PES University)</i>
4.1: Computer Engineering ESQUIRE-1 16:00 - 17:30	
CMT ID	Paper Details
1380	EdgePrivy: A Neuro-Symbolic Framework for Low-Latency Sensitive Content Detection for Edge Devices <i>Sindhuja Rao (Samsung Research India, Bangalore)*; Kaushik Kalita (Samsung Research India, Bangalore); Abhigyan Roy (Samsung Research India, Bangalore); Rohan Rajendra Khole (Samsung Research India, Bangalore); Nikhil Sahni (Samsung Research India, Bangalore); Sharmila Mani (Samsung Research India, Bangalore); Renju C Nair (Samsung Research India, Bangalore)</i>
1086	Telemetry-Driven Locality Scoring in a Kubernetes Scheduler: Design, Implementation, and Reproducibility <i>Swetha R (UVCE)*; Thriveni J (UVCE)</i>
2063	Defense in Depth: Intrusion Detection and Orchestrated Mitigation for Microservices <i>Tanistha Hota (PES University)*; Anuhya L.V.S Tyada (PES University); Uday Kiran (PES University); Vishnu Vijayakumar (PES University); Animesh Giri (PES University)</i>
0823	An Explainable Multi-Task Stacked Ensemble with Meta-Weighted SHAP for Multi-Label Chronic Disease Prediction <i>Vishnu Anil (Amrita Vishwa Vidyapeetham); Jobin Wilson (Amrita Vishwa Vidyapeetham)*; Krishna S (Amrita Vishwa Vidyapeetham)</i>
0482	Pose-Based Biomechanical and Temporal Feature Analysis for Vision-Based Fall Detection <i>Sona Mundody (NITK)*; Ram Mohana Reddy Guddeti (NITK)</i>
1959	Efficient detection of Advanced Persistent Threat (APT) sources using knowledge graphs <i>Prabhav Kashyap (R V College of Engineering); Sridhar Kedlaya (R V College of Engineering)*; Imon Banerjee (R V College of Engineering); Minal Moharir (R V College of Engineering); Rajesh R (CAIR, DRDO)</i>
4.2: Computational Intelligence ESQUIRE-2 16:00 - 17:30	
CMT ID	Paper Details
0995	Emotion-Aware Multilingual Interactive Chat System Using Hybrid Feature Fusion for Empathetic Messaging <i>Gowtham Rajasekaran (Anna University)*; S Harini Rajam (Anna University); C Sunil Retmin Raj (Anna University); Vivekanandan Dharmalingam (Anna University)</i>
1917	Bias-Aware Evaluation of Histogram-Based Contrast Enhancement for CNN-Based Pneumonia Detection in Pediatric Chest X-Rays <i>Shuvo Dip Kar (Rajshahi University of Engineering And Technology)*; MD AJHARUL ISLAM JOBAER (Rajshahi University of Engineering And Technology)</i>
1715	Achieving Synchronized Streaming in Heterogeneous Devices with Responsive Alignment <i>Gajje Sreelekha (Samsung R&D Institute India); Sandeep C S (Samsung R&D Institute India); Priyanshu verma (Samsung R&D Institute India)*; Abdus Sarif Ahmed (Samsung R&D Institute India); jamsheed Manja Ppallan (Samsung R&D Institute India); Jitender Sajwan (Samsung R&D Institute India)</i>
0694	A Fusion Architecture for Weapon Identification and Violence Detection in Video Surveillance <i>Aaron Fernandes (Sahyadri College of Engineering & Management); Advithi Alva (Sahyadri College of Engineering & Management); Pratham Shetty (Sahyadri College of Engineering & Management); Ryshel Jasmi DSouza (Sahyadri College of Engineering & Management); Priya Kamath (St Joseph Engineering College)*; Duddela Prashanth (Sahyadri College of Engineering & Management)</i>
1925	Hybrid RAG Architecture: Enhancing Recommendations for Home AI Devices Control Commands <i>Dhruv Arora (Vellore Institute of Technology); Vaibhavi Yadav (Vellore Institute of Technology); Rahul M.M (Vellore Institute of Technology); Swarnalatha P (Vellore Institute of Technology); Niha Kamal Basha (Vellore Institute of Technology)*; Sourabh Tiwari (Samsung R&D Institute India Bangalore.)</i>

1161	A Comparative Analysis of Optimized Machine Learning Pipeline with Explainable AI for Sleep Disorder Classification <i>Sanika Mhatre (Manipal Institute of Technology, Manipal Academy of Higher Education)*; Rashmi M (Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal); Ramya D Shetty (Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal)</i>
------	--

Day-2: July 03, 2026 (FRIDAY)

4.1: Computer Engineering | SIGMA-1 | 09:30 - 11:30

CMT ID	Paper Details
1170	AMR: Application Memory Recovery Engine <i>Irfan Abdul (Samsung Research Institute bangalore)*; ANURADHA KANUKOTLA (Samsung Research Institute bangalore); Jaewon Kim (Samsung Electronics Ltd); Kunal Kumar (Samsung Research Institute bangalore)</i>
1729	Abstract Syntax Tree (pAST.jl) for Julia Program Visualization and Description <i>Poornachandratejasvi Bhattar (Indian Institute of Technology Gandhinagar)*; Payal Dahiwalé (Indian Institute of Technology Bombay)</i>
1116	TDSRNet: Lightweight & Robust Table Detection and Structure Recognition for Mobile Screenshots <i>Udayraj Mangal (Samsung R & D Institute Bangalore)*; Mithun Singh (Samsung R & D Institute Bangalore); Sanket Dixit (Samsung R & D Institute Bangalore); Deepak Gautam (Samsung R & D Institute Bangalore); Pushpendra Dahiya (Samsung R & D Institute Bangalore); Siva Prasad Thota (Samsung R & D Institute Bangalore)</i>
1156	Agent-Based Data Analytics A Collaborative Intelligence Approach <i>Pothugunta Venkat (Samsung Research Institute Bangalore)*; Raghuveer Narayanan Rajesh (R V College of Engineering); Reshmi Pakhira (Samsung Research Institute Bangalore); Souvik Sarkhel (Samsung Research Institute Bangalore); Mopuru Vinod Reddy (Samsung Research Institute Bangalore); Pansuriya Uttam Bhadrabhai (IIT Jammu)</i>
1178	Noise-Aware QML: Adaptive Noise-Regularized Variational Quantum Circuits for Parameter-Efficient Tabular Anomaly Detection <i>Saksham Garg (Manipal Institute of Technology Bengaluru)*; Dhruvi A (Manipal Institute of Technology Bengaluru); Panchadip Bhattacharjee (Manipal Institute of Technology Bengaluru); Somyajeet Arukh (Manipal Institute of Technology Bengaluru); Arya Abnish Singh (Manipal Institute of Technology Bengaluru); Gururaj H L (Manipal Institute of Technology Bengaluru)</i>
0281	Blockchain-based Verifiable Credentials for Enterprise Trust: A Decentralized Identity Framework for Payroll and Quality Certification <i>Pratheeksha Hegde (Vidita Solutions); Krishna Kumar Somayaji (Vidita Solutions); Manish Okade (NIT Rourkela)*; Sanjay Kumar Gautam (Rourkela Steel Plant (RSP))</i>

4.2: Computational Intelligence | SIGMA-2 | 09:30 - 11:30

CMT ID	Paper Details
1246	GARMENT: Geometric ALIAS-Refined Model for ENhanced Try-on <i>Akanksh Rai (PES University); P Pavan Shanbhag (PES University); Akarsh T (PES University); Sindhu R Pai (PES University)*; Shylaja Sharath (PES University); Surabhi Narayan (PES University)</i>
0915	Selective Extraction: A Hallucination-Free Approach to LLM-Based Document Information Extraction <i>Vineeth Rao (RVCE)*; Yash Saraogi (RVCE); Tulya Reddy (RVCE); Mekhala Vinod Purohit (RVCE)</i>
1041	LLM-Guided Active Learning for Multimodal Data <i>Mohammed Ismail (RV University Bengaluru); Mehul Goyal (RV University Bengaluru); Mohammed Hamza Iqbal (RV University Bengaluru); Pema Tshering Sherpa (RV University Bengaluru); Jeethu Devasia (RV University)*</i>
0999	Brain Tumor Segmentation and Classification from MRI Scans <i>Samruddhi Lad (ADCET)*; Rugveda Mali (ADCET); Shreya Phalle (ADCET); Pratik Petkar (ADCET); Suhel Sayyad (ADCET)</i>
0288	Recognition of Advanced Cryptographic Algorithms using Machine Learning <i>Tvisha Prasad (RAMAIAH INSTITUTE OF TECHNOLOGY)*; Chitra M (RAMAIAH INSTITUTE OF TECHNOLOGY); Anshuman Suresh (RAMAIAH INSTITUTE OF TECHNOLOGY)</i>
1845	Smart Kitchen Object Detection System Using YOLO for Elderly Assistive Robotic Applications <i>Jeba Shiney (Alliance University)*; Muskaan Singh (Alliance University); Priestly Shan (Alliance University)</i>

3.1: Antennas and Microwave | ESQUIRE-1 | 09:30 - 11:30

CMT ID	Paper Details
1021	Evolutionary Algorithm-based Circuit Design for Intelligent Reflecting Surface Unit Cell in mmWave Frequency Band <i>Sanjana T (International Institute of Information Technology Bangalore)*; Dikshant Mahawar (International Institute of Information Technology Bangalore); Teerth Bhargat (International Institute of Information Technology Bangalore); Sakshi Arora (International Institute of Information Technology Bangalore); Jyotsna Bapat (International Institute of Information Technology Bangalore); Amrita Mishra (International Institute of Information Technology Bangalore)</i>
1569	Scenario Specific Evaluation of Baseband Channel in the Indoor Environment <i>Navin Kumar (Amrita University)*; Sreeja Kochuvila (Amrita Vishwa Vidyapeetham, School of Engineering Bengaluru); Shivansh Srivastava (Amrita Vishwa Vidyapeetham, School of Engineering Bengaluru); Anitha Elango (Amrita Vishwa Vidyapeetham, School of Engineering Bengaluru); Sripada S (Samsung Research Institute Bangalore); Shubham K (Samsung Research Institute Bangalore); Ashok Kumar Reddy Chavva (Samsung Research Institute Bangalore)</i>

6.1: Immersive Technologies | ESQUIRE-1 | 09:30 - 11:30

CMT ID	Paper Details
0904	Data-Driven Digital Monitoring Framework for Redox Flow Batteries in Cyber-Physical Power Systems <i>Anil Saini (Societal Electronics Group, CEERI)*; K.K Gupta (BITS, Pilani); P.C Panchariya (CSIR-CEERI)</i>
1829	ACADEME-verse: Feedback-based Aerial Cell Assisted Device-Edge Co-Inference Model for Enabling an Immersive World in 6G Networks <i>Tushar Vrind (Samsung Electronics)*; Chandan Kumar (Samsung Electronics); Debabrata Das (IIITB)</i>

3.4: Comms. & Networking | ESQUIRE-2 | 09:30 - 11:30

CMT ID	Paper Details
1351	NEXT-GEN Device Security: Scalable Trust-chain with Adaptive Consensus for Optimized Security <i>Shashidhara R (Samsung R&D India, Bangalore)*; Anish Singhania (Samsung R&D India, Bangalore); Renju C Nair (Samsung R&D India, Bangalore); Naman Verma (Samsung R&D India, Bangalore)</i>
0974	Comparative Evaluation of Bluetooth Based Distance Measurement Techniques Across Multiple Performance Metrics <i>Sai Rithvik Ch (Amrita Vishwa Vidyapeetham); Jayesh Rao K (Amrita Vishwa Vidyapeetham); Srihitha T (Amrita Vishwa Vidyapeetham); Surya Sampreeth Ch (Amrita Vishwa Vidyapeetham); Vishnu S (Amrita Vishwa Vidyapeetham)*; Vishnuvarthan Rajagopal (Amrita Vishwa Vidyapeetham); Govindarajan J (Amrita Vishwa Vidyapeetham)</i>
1756	Search and Access Pattern Preserving Scalable Searchable Symmetric Encryption Scheme <i>Mou Dutta (IIIT Guwahati)*; Subhasish Dhal (Indian Institute of Information Technology Guwahati); Abhijit Maji (Indian Institute of Information Technology Guwahati)</i>
1217	PortGuard: Revisiting VAEs for Real-Time Network Anomaly Detection on Smartphone Edge Device <i>Arya Phalke (Samsung Research Institute Bangalore); Abhijeet Boragule (Samsung Research Institute Bangalore)*; Kaushal Devrari (Samsung Research Institute Bangalore); Anish Singhania (Samsung Research Institute Bangalore); Sakshi Sakshi (Samsung Research Institute Bangalore)</i>
1024	Enhanced ADMM-Net: A Deep Learning Framework for Robust and Low-Complexity MIMO Signal Detection <i>Jaitra Nath (IIT Jodhpur); Shivanshu Shekhar (IIT Jodhpur); Suraj Srivastava (IIT Jodhpur)*</i>
1741	SPADE: A Protocol for Secure Post-quantum AI-model Deployment to Edge-devices <i>Ranajoy Hajra (Samsung R&D Institute India - Bangalore); Soumyadev Saha (Samsung R&D Institute India - Bangalore)*; Shashidhara R (Samsung R&D Institute India - Bangalore); Beda Prakash Meher (Samsung R&D Institute India - Bangalore); Anish Singhania (Samsung R&D Institute India - Bangalore); Pavan Kumar Panakalapati (Samsung R&D Institute India - Bangalore)</i>

Day-2: July 03, 2026 (FRIDAY)

4.1: Computer Engineering | SIGMA-1 | 14:00 - 15:30

CMT ID	Paper Details
1482	Neuro-Symbolic Agent Graphs (NSAG): A Verifiable Architecture for Safe and Sustainable Agentic AI <i>Sai Geethanjali K (BMSIT&M)*; Amogh C A (BMSIT&M); Pradeep K R (BMSIT&M)</i>
1083	Intelligent Leader Election for Kubernetes Clusters leveraging Real-Time Contextual Metrics <i>Harsh Mehra (Samsung R&D Institute India - Bangalore)*; Subrata Goswami (Samsung R&D Institute India - Bangalore); Prapulla S B (R V College of Engineering); Sujata Priyambada Mishra (R V College of Engineering); Aditya Sharma (R V College of Engineering); Apoorva C S (R V College of Engineering); Vanshika Khandelwal (R V College of Engineering); Nanthan Shetty (R V College of Engineering)</i>
1176	FROST-IDS: Federated Robust Optimized Secure Threat Detection via Mixture-of-Experts with FPR-Constrained Threshold Calibration <i>Dhruti A (Manipal Institute of Technology Bengaluru)*; Saksham Garg (Manipal Institute of Technology Bengaluru); Shreya L (Manipal Institute of Technology Bengaluru); Panchadip Bhattacharjee (Manipal Institute of Technology Bengaluru); Somyajeet Arukh (Manipal Institute of Technology Bengaluru); Gururaj H L (Manipal Institute of Technology Bengaluru)</i>
1186	A Blockchain-IPFS Framework for Secure and Decentralized Healthcare Applications <i>Rohit Bharadwaj (Vellore Institute of Technology, Chennai); Rovin Samuel Daniel (Vellore Institute of Technology, Chennai); Arthi Murugadass (Vellore Institute of Technology, Chennai)*; Sellam Viruthagiri (Vellore Institute of Technology, Chennai); Vinoth Babu Kumaravelu (Vellore Institute of Technology, Vellore); Poongundran Selvaprabhu (Vellore Institute of Technology, Vellore)</i>
1687	A Dynamic Power and Performance Efficient Vision-Language Model Processing Architecture Using Motion Patches for Edge Servers <i>Venkata Ajay Kolla (Intel)*; Suresh Vasu (Intel); Palanivel Gurusvareddiar (Intel)</i>

4.2: Computational Intelligence | SIGMA-2 | 14:00 - 15:30

CMT ID	Paper Details
0393	Vision-Based Assistive Perception System for Visually Impaired Users in Indoor Retail Environments <i>Priyanka H (PESU)*; Nilesh Vasu Mudaliar (PESU); Prajwal S (PESU); Mohith B (PESU); Krithik V Raman (PESU)</i>
0599	Beyond Context Window: Dynamic Knowledge Graphs for Lifelong Learning LLMs <i>Vishwas Desai (Ramaiah Institute of Technology)*; Dr. Rakesh Kalshetty (Ramaiah Institute of Technology); Manish S M (Ramaiah Institute of Technology); Shashank Kotagi (Ramaiah Institute of Technology)</i>
1360	Two-Stage Credit Scoring Method for Financial Data Using TCN and LIME <i>Pooja Kanala (National Institute of Technology Karnataka); Clifford Menezes (National Institute of Technology Karnataka); Anusha Hegde (National Institute of Technology Karnataka)*; Biswajit Bhowmik (National Institute of Technology Karnataka)</i>
1492	BioBERT-GAT: End-to-End Structural Refinement for Biomedical Abstract Classification <i>Himnish Kumar R (Jain (Deemed-to-be University))*; Nagarajan S (Jain (Deemed-to-be University)); Raj Bahadur (Jain (Deemed-to-be University)); Lakshay Sharma (Jain (Deemed-to-be University))</i>
1994	An Attention-Guided Hybrid Framework for Fine-Grained Weed Species Classification using MFW Dataset <i>Anusree Manoj (Amrita Vishwa Vidyapeetham)*; Rimjhim Padam Singh (Amrita Vishwa Vidyapeetham); Sajitha Krishnan (Amrita Vishwa Vidyapeetham); Deepa Gupta (Amrita Vishwa Vidyapeetham)</i>
1127	Crop Yield Forecasting Using Machine Learning <i>Anshuman Gokhale (PES University)*; Amaan Ahmed (PES University); Avishek Agarwal (PES University); Gayathri R. S. (PES University)</i>

2.1: Signal Processing | ESQUIRE-1 | 14:00 - 15:30

CMT ID	Paper Details
0971	From Speech to Song: Cross-Corpus Emotional Spoof Detection <i>Madhu KAMBLE (Samsung Research Institute, Bangalore, India (SRIB))*; RAJESH KRISHNA K S (Samsung Research Institute, Bangalore, India (SRIB))</i>
2107	Keynote Recognition of Musical Keyboard with Factored Surface EMG Activity Signals <i>Sharmila Mani (IIITB)*; Margasahayam Chirag (IIITB); Ramasubramanian V (IIITB); Madhav Rao (IIITB)</i>
0452	EEG-Based Olfactory Stimulus Classification Using Machine Learning <i>Nirban Roy (Institute of Engineering & Management, Salt Lake, Kolkata)*; Mahul Gupta (Institute of Engineering & Management, Salt Lake, Kolkata); Sanchita Ghosh (Institute of Engineering & Management, Salt Lake, Kolkata); Ruchira Mukherjee (Institute of Engineering & Management, Salt Lake, Kolkata); Tina De (Institute of Engineering & Management, Salt Lake, Kolkata)</i>
1984	Ultrasound Image Denoising Using Diffusion Guided Deep Image Prior <i>Akhil V (National Institute of Technology Karnataka, Surathkal, India); Neeraj Krishnan P.K. (National Institute of Technology Karnataka, Surathkal, India); Jidesh P (National Institute of Technology Karnataka, Surathkal, India)*</i>
2017	Performance Analysis of MISO Multiple Non-Cooperative STAR-RIS Assisted Distributed Wireless Systems <i>Rashmi H (NITK)*; Ashvini Chaturvedi (NITK); Bodempudi Naga Siva Prasad (NITK)</i>

3.3: Information Theory | ESQUIRE-2 | 14:00 - 15:30

CMT ID	Paper Details
0941	Explainable-AI For Radio Link Failure Prediction in 5G Network Using Deep Learning Models <i>A SUMANTH RAKSHITH (VIT University)*; Vinoth Babu Kumaravelu (Vellore Institute of Technology, Vellore)</i>
1163	Outage Analysis of a RIS-Enabled Incremental Relaying NOMA Network With Hybrid Backscattering <i>Rashmita Badhai (NIT DURGAPUR)*; Priyanka Ghosh (NIT DURGAPUR); Sanjay Dhar Roy (NIT DURGAPUR); Sumit Kundu (NIT DURGAPUR)</i>
1221	Securing Cooperative Spectrum Sensing Through KL-Divergence-Based Hierarchical Clustering and Behavioral Analysis <i>Kshitija Thete (SVNIT)*; Kamal Captain (SVNIT); Shilpi Gupta (SVNIT)</i>
1760	Power-Efficient Resource Allocation in D2D-enabled 5G Networks using Multi-Agent Reinforcement Learning <i>Navin Kumar (Amrita University)*; Nandan Vaddempudi (Amrita Vishwa Vidyapeetham, School of Engineering Bengaluru); Dinesh Sajja (Amrita Vishwa Vidyapeetham, School of Engineering Bengaluru); Satyakumar V (Samsung Research Institute Bangalore); Seungil Yoon (Samsung Electronics)</i>
1827	A Machine Learning Approach to Predict Structural Properties in Single Unicast Index Coding Problems <i>Arya Jayaprakash (NSS College of Engineering, Palakkad); Anagha Kunjumon (School of Engineering, Cochin University of Science and Technology); Deepankar Kankipati (NIT Calicut); Arun Nath (NIT Calicut); Nujoom Sageer Karat (NIT Calicut)*; Deepthi P. P. (NIT Calicut)</i>

Day-2: July 03, 2026 (FRIDAY)

4.1: Computer Engineering | SIGMA-1 | 16:00 - 17:30

CMT ID	Paper Details
1591	Concept-kNN: Interpretable Graph Clustering of LLM Conversations via Classical NLP <i>Divyansh Bhatia (eBay Inc.)*; Mehala N. (Vidyashilp University)</i>
1868	StreamLogSim: A Real-Time Framework for Controlled Anomaly Propagation Modeling and Risk-Aware Detection in Distributed Systems <i>Anish Nagula (PES University); Animesh Giri (PES University)*; Namritha Lobo (PES University)</i>
1013	Blockchain-Enabled Secure Communication for Implantable Pacemaker Networks <i>Sharon A (PES University)*; Siddhartha Rao (PES University); Animesh Giri (PES University)</i>
0984	Evaluating a Hybrid Static, Evolutionary ML, and LLM-Based Pipeline for Code Evolution Analysis <i>Shri Karthik A (PES University)*; Animesh Giri (PES University); Ankana Mandal (PES University); Anushka Mandal (PES University)</i>
1894	Membership Inference Attack in Retrieval-Augmented Generation: An Empirical Study of Packing-Time Defenses <i>Balamurugan Palanisamy (Birla Institute of Technology and Science); GSS Chalapathi (Birla Institute of Technology and Science)*; Vikas Hassija (Kalinga Institute of Industrial Technology)</i>
1631	A Scalable Real-Time Intrusion Detection System Using Honey pots and Hybrid Machine Learning <i>Maurya C R (Ramaiah Institute of Technology)*; Shankaramma Malige (Ramaiah Institute of Technology); Shashank Padanad (Ramaiah Institute of Technology); Prafull Anand (Ramaiah Institute of Technology); Pranav Acharya (Ramaiah Institute of Technology)</i>

4.2: Computational Intelligence | SIGMA-2 | 16:00 - 17:30

CMT ID	Paper Details
0757	A Continuity-Aware Multimodal Retrieval-Augmented Generation framework for Document Question Answering <i>Deepthi S (Manipal Academy of Higher Education)*</i>
1315	Accessory-Aware Virtual Try-On via Fine-Tuned YOLOv8 and SAM-Based Segmentation <i>SINDHU Pai (PES University)*; Surabhi Narayan (PES University); Praneel Patel GM (PES University); Preetham V Divakara (PES University)</i>
1261	Open-Set Text Classification with Limited Labelling Budget <i>Amit Tulsidas Chaulwar (Samsung R&D Bangalore)*</i>
1434	Image-Based Classification and Localization of Multi-Metal Stress in Hydroponically Cultivated Spinach Plant <i>Pushpa BR (Amrita Vishwa Vidyapeetham)*; Ruchitha S (Amrita Vishwa Vidyapeetham); Chinmayee S (Amrita Vishwa Vidyapeetham)</i>
1359	Unveiling Insights in P2P Lending: A Clustering Analysis Perspective <i>Amith Penumudi (National Institute of Technology Karnataka); Siddhartha Charan (National Institute of Technology Karnataka); Anusha Hegde (National Institute of Technology Karnataka)*; Biswajit Bhowmik (National Institute of Technology Karnataka)</i>
1363	Intelligent File Integrity Monitoring Through Hybrid Cryptographic Verification and Pretrained Machine Learning <i>M Deepthi (BNMIT)*; Neha S N (BNMIT); H Nandik Pranaj (BNMIT); Thanmay M G (BNMIT); Jagruthi H (BNMIT); Saritha Chakrasali (BNMIT)</i>

4.1: Computer Engineering | ESQUIRE-1 | 16:00 - 17:30

CMT ID	Paper Details
2035	Stochasticity-Induced Unreliability in LLM-Based Hiring Systems <i>Animesh Giri (Pes University); Keerthana Bhat (Pes University); Nehal G (Pes University); Manodnya K H (University of Colorado Boulder)</i>
2013	Crime Prediction and Analysis: A Synthesis of Modern Methodologies and Ethical Considerations <i>P P Prerana (RV University Bengaluru); Samaira Chaudhary (RV University Bengaluru); K Nikita Somaiah (RV University Bengaluru); Mohammed Nashal (RV University Bengaluru); Jeethu Devasia (RV University)*</i>
1653	A Multi-Paradigm Approach for Robust Pneumonia Detection using Deep Learning <i>Kuppa Sri Venkata Abhiram (Amrita Vishwa Vidyapeetham)*; Bhuthala Lokpradeep (Amrita Vishwa Vidyapeetham); Devi Rajeev (Amrita Vishwa Vidyapeetham)</i>
1597	FinEase: A Bilingual Chatbot for Financial Web Analysis Using RAG <i>Niketana L (Ramaiah Institute of Technology)*; Nandini N (Ramaiah Institute of Technology); Savita K Shetty (Ramaiah Institute of Technology); Navya Shree B M (Ramaiah Institute of Technology); Prathibha A (Ramaiah Institute of Technology)</i>
935	Microarchitectural Performance Effects of Last-Level Cache Scaling: An Empirical Study Using Diverse Compute Workloads <i>Vishal Gupta (Intel Corporation)*; Diksha Bedia (Intel Corporation); Venugopal Chilla Reddy (Intel Corporation)</i>
1109	Event-Driven Feature Flag Patterns for Resilient Kubernetes Internal Developer Platforms <i>Josephine Eskaline Joyce (IBM)*; Prashanth Bhat (IBM India Pvt Ltd); Varun Krishna (IBM India Pvt Ltd); Pradeep Gopalgowda (IBM India Pvt Ltd)</i>

4.2: Computational Intelligence | ESQUIRE-2 | 16:00 - 17:30

CMT ID	Paper Details
2108	Bridging the Accuracy-Sustainability-Explainability Trilemma in Air Quality Informatics: A Carbon-Aware Consensus Framework <i>Harthik Vanumu (Manipal Institute of Technology Bengaluru)*; Eshwar Kanuru (Manipal Institute of Technology Bengaluru); Srinivasa Murthy Y. V. (Manipal Institute of Technology Bengaluru); Gauri Kalnoor (Manipal Institute of Technology Bengaluru); Induj Gupta (Manipal Institute of Technology Bengaluru); Riddhi Rajesh (Manipal Institute of Technology Bengaluru)</i>
2110	ADEPT: Optimizing Ambulance Dispatch in Urban Environments Using Reinforcement Learning <i>Avishek Paul (IIIT Guwahati); Vipul Pareek (IIIT Guwahati); Ananta Kumar Das (IIIT Bangalore); Subhasish Dhal (IIIT Guwahati)*; Akhilesh Kumar Maurya (IIT Guwahati)</i>
0720	An Edge-Based Computational Intelligence Framework for Vision-Driven Cattle Health Monitoring in Smart Agriculture <i>Geetha S (GITAM Deemed to be University)*; Dr. Sunita Panda (Department of EECE, GITAM School of Core Engineering, Gitam Deemed to be University.); Anandhan Karunanithi (GITAM School of Computer Science and Engineering, GITAM University.); Dr. Prithvi Sekhar Pagala (Global Learning Lead, AI Technology Skills, Perficient.)</i>
1034	Natural Scene Classification Using ViT and ConvNeXt-Tiny with XAI-Based model Interpretability <i>Vighnesh H (Amrita Vishva Vidyapeetam)*; Sreyas S Sankar (Amrita Vishva Vidyapeetam); Anjali T (Amrita Vishva Vidyapeetam)</i>

6.2: Power Electronics | ESQUIRE-2 | 16:00 - 17:30

CMT ID	Paper Details
0681	Design of a CMOS Subthreshold Voltage and Current Reference Circuit <i>Nutana Shetty (NMAMIT Nitte)*; Jose Joseph (Nitte Deemed to be University, NMAM Institute of Technology (NMAMIT), Nitte, Dept.of Electrical and Electronics Engineering, Nitte, Karkala, India); Muhammad Shayan Nesar (Nitte Deemed to be University, NMAM Institute of Technology (NMAMIT), Nitte, Dept.of Electrical and Electronics Engineering, Nitte, Karkala, India); Chirag GP (Nitte Deemed to be University, NMAM Institute of Technology (NMAMIT), Nitte, Dept.of Electrical and Electronics Engineering, Nitte, Karkala, India); Aboobakar Mashroof (Nitte</i>

	<i>Deemed to be University, NMAM Institute of Technology (NMAMIT), Nitte, Dept.of Electrical and Electronics Engineering, Nitte, Karkala, India)</i>
1767	Comparative Analysis of LLC, DAB, and Hybrid LLC–DAB Bidirectional DC–DC Converters for 2.2kW EV On-Board Power Applications <i>Guna S G (PES University)*; Deepa Kulkarni (PES University); H S Yashaswini (PES University); Harshitha R Hegde (PES University); Sathya Prasad (PES University)</i>

Day-3: July 04, 2026 (SATURDAY)

1.1: Future Circuits | SIGMA-1 | 09:30 - 11:00

CMT ID	Paper Details
0217	A Low-Power Dual-Phase Injection-Locked Quadrature Ring Oscillator With Improved Phase Accuracy RAVI KUMAR (NIT Karnataka)*; REKHA S. (NIT Karnataka)
1190	Architectural Design of 32-bit Risc-V Processor, RV32IMF, with Configurable ALU Reshma Verma (Ramaiah Institute of Technology)*; Venkata Keerthana Nallam (Ramaiah Institute of Technology); Lakshmi Shrinivasan (Ramaiah Institute of Technology)
1199	Split-Stage Architecture: A new approach for performance improvement in ADCs Anurag Pandey (IIITA); Manojachar S (IIITA); Dipti Dipti (DYIPU); Kavindra Kandpal (IIITA); Prasanna Kumar Misra (IIITA); Manish Goswami (IIITA)*
1392	A 22.7 fJ/bit/dB Area-Efficient 16 Gbps Receiver Front-End with 18 dB Tunable Active-Inductor Equalization in 45-nm CMOS Sachin Singh (ZHCET, Aligarh Muslim University); Sayeed Ahmad (ZHCET, Aligarh Muslim University); Javed GS (Intel)*
1414	Design of a Low-Power Approximate Ternary Adder for Energy-Constrained Applications Rajat Porwal (BITS Pilani Hyderabad Campus); Rishi Agrawal (BITS Pilani Hyderabad Campus)*; Syed Ershad Ahmed (BITS Pilani Hyderabad Campus)
1068	Energy-Efficient and Robust Ternary-SRAM in CNFET Technology using Static Ternary Inverter (STI) Nitesh Rathore (Mahindra University); Lokesh Kumbaganti (Mahindra University); Ramakant Yadav (Mahindra University); Pooran Singh (Mahindra University)*

2.1: Signal Processing | SIGMA-2 | 09:30 - 11:00

CMT ID	Paper Details
0204	Data-Driven Direction Finding: A Machine Learning Approach to Robust AoA Estimation Venkata Ramana M N (IIIT Hyderabad)*; Sounak Samanta (DRDO(DLRL)); Amit Kumar Gupta (DRDO(DLRL)); Murali K (DRDO(DLRL))
0951	A Topological Data Analysis Framework for EEG-Based Stress Classification Krishna Jain (Indian Institute of Information Technology , Sri City)*; Annushree Bablani (Indian Institute of Information Technology , Sri City); Sreeja S R (Indian Institute of Information Technology , Sri City)
1419	SAGE-Net: Surrounding context Aware Gender and Age Estimation Network for Mobile Devices Shwetank Choudhary (Samsung R&D Bangalore)*; Dhruvil Megha (Samsung R&D Bangalore); Dhairya Modi (Samsung R&D Bangalore); Abhay Shukralia (Samsung R&D Bangalore); Himanshu Arora (Samsung R&D Bangalore)
1020	Cross-Modal Robust EEG Biomarkers for Sustained Attention in Multimodal Learning Himasagar Ullamgunta (Indian Institute of Information Technology Sricity)*; Shrijeet Kumar (Indian Institute of Information Technology Sricity); Annushree Bablani (Indian Institute of Information Technology Sricity); Himangshu Sarma (Indian Institute of Information Technology Sricity)
1735	An End to End speech stuttering detection and correction system using EfficientNet framework Nikhita naik (KLE Technological University)*; Vani Kakhandaki (KLE Technological University); Sahana G (KLE Technological University); satish chikkamath (KLE Technological University); suneeta budihal (KLE Technological University)
1196	Robust IoT Data Recovery Using Incremental Tensor Decomposition Rajesh G (Indian Institute of Information Technology Kottayam)*; Suchit Paul Santosh (Indian Institute of

	Information Technology Kottayam); Ashvini Chaturvedi (National Institute of Technology Karnataka)
3.2: Photonics ESQUIRE-1 09:30 - 11:00	
CMT ID	Paper Details
1686	Wideband Photonic Radar Jammer for Velocity Deception using Serrodyne Modulation Nikhilesh Kumar Chowdari (Central Research Laboratory-Bharat Electronics Limited)*; Thejna Ros Joseph (Central Research Laboratory-Bharat Electronics Limited); Chiranjeevi Damacherla (Central Research Laboratory-Bharat Electronics Limited)
1773	A Novel Fiber Bragg Grating–Based Device for Quantitative Analysis of Wrist Angular Hand Grip Strength Malathi Sathish (Graphic Era (Deemed to be University))*; Chethana K (Jyothi Institute of Technology Bangalore); Somesh Nandi (RVCE Bangalore); Sriraman Sathish (University of Texas at Dallas); Chaitrashree K (M S Ramaiah University of Applied Sciences Bangalore); Guruprasad AS (Indian Institute of Science, Bangalore)
1410	Quantum Communication for Space Exploration: Protocols, Channel Modeling, and Architectural Implications Birinderjit Singh (Chandigarh University)*; Rehana Perveen (Chandigarh University)
2111	Design and Development of a Quantum Network Simulation Module for ns-3 Aniket Singh (National Institute of Technology Karnataka Surathkal); Satyam Govind Shukla (National Institute of Technology Karnataka Surathkal); Anirudh V. Gubbi (National Institute of Technology Karnataka Surathkal); Shashank G. (National Institute of Technology Karnataka Surathkal); Akash Ravi (National Institute of Technology Karnataka Surathkal); Navaneet YVN (National Institute of Technology Karnataka Surathkal); Satyarth S. Ratnani (National Institute of Technology Karnataka Surathkal); Jay C. Surani (National Institute of Technology Karnataka Surathkal); Vikas Gaur (National Institute of Technology Karnataka Surathkal); Mohit Tahiliani (National Institute of Technology Karnataka Surathkal)*
1626	Robust Plasmonic Sensor Design and Response Prediction Leveraging Generative AI based Plasmonic Simulator Anirban Chaudhuri (Tata Consultancy Services, Research)*; Anish Datta (Tata Consultancy Services, Research); Subhasri Chatterjee (Tata Consultancy Services, Research); Nirmalya Ghosh (Indian Institute of Science, Education and Research-Kolkata); Soma Bandyopadhyay (Tata Consultancy Services, Research); Arpan Pal (Tata Consultancy Services, Research)
4.2: Computational Intelligence ESQUIRE-2 09:30 - 11:00	
CMT ID	Paper Details
1254	Early Leaf Disease Detection Using a Modified Lite Attention–MobileNetV2 Network Ziya Soudagar (SDM College Of Engineering & Technology, Dharwad)*; Dr. Satish Bhairannawar (SDM College Of Engineering & Technology, Dharwad); Srishti Gharge (SDM College Of Engineering & Technology, Dharwad); Shreyas Vandal (SDM College Of Engineering & Technology, Dharwad)
1583	Explainable LSTM Framework to Ego-Contingent Trajectory Prediction in Multi-Agent Systems Ashwini Kodipalli (Global Academy of Technology)*
1067	Toward Reliable Vehicle Motion Analysis for Driver Modeling Based on Fuzzy Inference Linsong Li (Kaetsu University)*; Mitsuhiro Namekawa (Kaetsu University)
1284	PerceptoAI: Smart Multimodal AI System for Context-Aware Automation and Dynamic Task Management Sahana Sharma M (Dayananda Sagar Academy Of Technology And Management)*; Lakshmi K K (K. S. Institute of Technology); Hareesha N G (Dayanand Sagar College of Engineering); Surekha Byakod (K. S. Institute of Technology); Abhinav S Bhat (K. S. Institute of Technology); Aditi B Puranik (K. S. Institute of Technology)
1520	Explainable Artificial Intelligence for Disaster Risk Prediction: A Model Interpretation Framework PRAJNA SHETTY (RNS Institute of Technology)*; Ananya Patil A (RNS Institute of Technology); Sahana B (RNS Institute of Technology)
1948	Semantic Instability as a Decision Signal for Failure-Aware Selective Retrieval in Retrieval-Augmented Generation Advait Jha (Manipal Institute of Technology Bengaluru)*; Panchadip Bhattacharjee (Manipal Institute of Technology Bengaluru); Somyajeet Arukh (Manipal Institute of Technology Bengaluru); Nishanth Shet (Manipal Institute of

	Technology Bengaluru); Shreya L (Manipal Institute of Technology Bengaluru); Dayananda P (Manipal Institute of Technology Bengaluru)
--	---

Day-3: July 04, 2026 (SATURDAY)	
2.1: Signal Processing SIGMA-1 14:00 - 15:30	
CMT ID	Paper Details
1837	DiffHaze: Depth-Aware Conditional Diffusion Model for Single Image Dehazing Verriboina Antony (IIIT-A)*; Tekumudi Divya (Dayananda Sagar University); Trupthi Rao (Dayananda Sagar University); Ankita Thakkar (Dayananda Sagar University); Sruthi Yapalarpavi (Dayananda Sagar University)
1568	RainDiffFormer: Latent Diffusion and Sparse Attention for single Image Deraining Verriboina Antony (IIIT-A)*; Divya Tekumudi (Dayananda Sagar University); Ankita Thakkar (Dayananda Sagar University)
1154	Dual Innovation-Adaptive Kalman Filtering for Digital Predistortion with Gradient-Based Q and Energy-Based R Estimation Tom Varghese (Government Engineering College Thrissur)*; Sony Sethukumar (Indian Institute of Space Science and Technology); Chris Prema S (Indian Institute of Space Science and Technology); Immanuel Raja (Indian Institute of Space Science and Technology)
0922	Simultaneous abuse and health prediction using Signal decomposition for Lithium-ion batteries Samarth Agarwal (Samsung R & D Institute India)*; Subramanian Swernath (Samsung R & D Institute India); Ankit Yadu (Samsung R & D Institute India); Jinsoo Jang (SAMSUNG ELECTRONICS Co.); Seong Jin AN (SAMSUNG ELECTRONICS Co.); Seongil Lee (SAMSUNG ELECTRONICS Co.); Mikyong Yoo (SAMSUNG ELECTRONICS Co.)
1995	Directional DCT and DST for low-bandwidth Video Conferencing Applications Shreyanka Subbarayyappa (Ramaiah University of Applied Sciences)*; Divya Kiran (M. S. Ramaiah University of Applied Sciences); Vaishnavi Prabhurao Sinnur (M. S. Ramaiah University of Applied Sciences); Shankar Sangappa Jatti (M. S. Ramaiah University of Applied Sciences); Deepa Anagoudar (M. S. Ramaiah University of Applied Sciences)
2.2: MedTech SIGMA-1 14:00 - 15:30	
CMT ID	Paper Details
1657	A Multi-Disease Gait Analysis Using Skeletal Pose Estimates To Extract Spatiotemporal And Gait Phase Features Aashish Sekar Vijay (SRM Institute of Science and Technology)*; Srinija Gottumukkala (SRM Institute of Science and Technology); Arpith Sukesh Prabhu (SRM Institute of Science and Technology); Akash Yadav (SRM Institute of Science and Technology); Himanshi Ghangas (SRM Institute of Science and Technology); Raja D (SRM Institute of Science and Technology); Vaishnavi Moorthy (SRM Institute of Science and Technology)
3.2: Photonics SIGMA-2 14:00 - 15:30	
CMT ID	Paper Details
0559	Design Optimization and QKD Performance Comparison Between Step-Index and Trench-Assisted Homogeneous Multicore Fibers Shalini Vardhan (Netaji Subhas University of Technology, Delhi); Upasana Tripathi (Netaji Subhas University of Technology, Delhi); Suman Palrecha (Indian Institute of Technology Indore); Anand Srivastava (Netaji Subhas University of Technology, Delhi); Vimal Bhatia (Indian Institute of Technology Indore); Avinash Upadhyay (Netaji Subhas University of Technology, Delhi); Ritu Raj Singh (Netaji Subhas University of Technology, Delhi)*
0758	Performance Analysis of a Hybrid Quantum FSO–SMF Communication System Under Haze Atmospheric Conditions Krishna Sarma (IIIT Guwahati); Mohd Mansoor Khan (IIIT Guwahati)*
1111	Design and Development of 3D Printed Embedded Fiber Bragg Grating Sensor for Finger Strain

	Monitoring During Repetitive Keypad Usage <i>Sukritha B (CUSAT); Monish Murugan (IIITDM Kancheepuram); Srijith Kanakambaran (IIITDM Kancheepuram)*</i>
1194	Performance Analysis of Turbulence Effects in Underwater Optical Wireless Communication Systems <i>Srija Bathula (IIITDM Kancheepuram); Srijith Kanakambaran (IIITDM Kancheepuram)*</i>
1779	Quasi-distributed Sensing using Fused Fiber Demux as an Edge Filter by Reference FBG Method <i>Naveenkumar M (Indian Institute of Science)*; Amal Jani (Cochin University of Science and Technology); Rishika R (Cochin University of Science and Technology); Shivaleela E. S. (Indian Institute of Science)</i>
2042	Disaster-Resilient Trusted Repeater Node Placement for Traffic-Aware QKD Optical Networks <i>Adolph Kasegenya (Indian Institute of Technology Indore (IIT)); Shailendra Raghuwanshi (Indian Institute of Technology Indore); Vimal Bhatia (Indian Institute of Technology Indore (IIT) and Soochow University, Suzhou, Jiangsu 215006, China)*; Bowen Chen (Soochow University, Suzhou, Jiangsu 215006, China)</i>

4.2: Computational Intelligence | ESQUIRE-1 | 14:00 - 15:30

CMT ID	Paper Details
1604	DermAI: An Adaptive AI Framework for Customized Skincare and Cosmetic Selection <i>Dr. Vrunda Kusanur (BNM Institute of Technology)*; Varshini M (BNM Institute of Technology); Sahana K R (BNM Institute of Technology); Preksha S Jorapur (BNM Institute of Technology)</i>
1671	Confidence aware Joint estimation of Battery charge, health and power states for electric vehicles using Deep Neural Network and Self attention. <i>Lakshmi Shrinivasan (Ramaiah Institute of technology); Pavana Nandana S (Ramaiah Institute of Technology)*; Reshma Verma (Ramaiah Institute of Technology)</i>
1874	DeepCashew: A Modified CNN-Based Framework for Cashew Leaf Disease Classification <i>Sundaresan Sabapathy (Amrita Vishwa Vidyapeetham)*; Deepika Sasi (National Institute of Technology Puducherry); Surendar Maruthu (National Institute of Technology Puducherry); Dushantha Nalin K. Jayakody (COPELABS, Lus'ofona University Lisboa, Portugal UNINOVA-CTS & LASI Costa da Caparica, Portugal CIET/DEEE, Faculty of Engineering SLIIT Malabe, Sri Lanka)</i>
1880	Update Instability Score: Structural Validation for Secure AI Supply Chains <i>Asmit Chatterjee (Manipal Institute of Technology Bengaluru)*; Panchadip Bhattacharjee (Manipal Institue of Technology Bengaluru); Somyajeet Arukh (Manipal Institute of Technology Bengaluru); Nishanth Shet (Manipal Institue of Technology Bengaluru); Gururaj HL (Manipal Institue of Technology Bengaluru); Dayananda P (Manipal Institute of Technology Bengaluru)</i>
1278	Structure-Preserving Semantic Image Editing Using Constraint-Based Diffusion Models <i>Shyaam Niranjana (Independent Researcher)*</i>
0898	Performance Analysis of MH and Parallel Tempering Algorithm <i>Sunita Sagat (N. B. Navale Sinhgad College of Engineering Solapur)*</i>

4.2: Computational Intelligence | ESQUIRE-2 | 14:00 - 15:30

CMT ID	Paper Details
0357	Multimodal cGAN-Based Image Extrapolation for Forensic Analysis Using Partial Images and Textual Conditioning <i>Priyanka H (PESU)*; dega Dheepakkh (PESU); G S Datta Praneeth (PESU); LVN Bharateesha (PESU); P Sai Pramod Reddy (PESU)</i>
1881	FedAuxPG : Performance-Guided Delta Aggregation in Federated Learning Based Systems <i>Atul Anant (Hewlett Packard Inc.)*; S L Happy (Hewlett Packard Inc.); Rohan Khilnani (Hewlett Packard Inc.); Mayank Jha (Hewlett Packard Inc.); Alena Thomas (Hewlett Packard Inc.)</i>
1934	Location based Language dialect Classification Using Deep Learning <i>Harshada K D (MSRIT)*; Vijaya Kumar B P (MSRIT); Vandana N (MSRIT)</i>
2077	Natural Anonymization Techniques: Towards Context Preserving Full Image Anonymization <i>Mohammad Haseeb (Samsung R&D, Bangalore)*</i>

0027	MODALFUSENET Architecture for Drone Localization <i>Sethu Selvi S (Ramaiah Institute of Technology)*; Vishnu R Rao (Ramaiah Institute of Technology); Dharini Raghavan (Ramaiah Institute of Technology); Shefali Singh (Ramaiah Institute of Technology)</i>
2082	CaphetroNet: A Capsule-Enhanced Hybrid Architecture for Efficient Medicinal Plant Species Classification <i>Pushpa BR (Amrita Vishwa Vidyapeetham)*; Jyothsna S (Amrita Vishwa Vidyapeetham); Lasya S (Amrita Vishwa Vidyapeetham)</i>

Day-3: July 04, 2026 (SATURDAY)

4.1: Computer Engineering | SIGMA-1 | 16:00 - 17:00

CMT ID	Paper Details
1882	A Learning-Based Framework for Quantifying Structured Prompt Refinement in Large Language Models <i>Santosh Bollavaram (P E S UNIVERSITY); Animesh Giri (PES University)*; Abhay Babji Pattamsetty (P E S UNIVERSITY); thai datta (P E S UNIVERSITY)</i>
0112	SAGE-IDS: Graph-centric Intrusion Detection with Structural Surprise and Conformal Risk for the IoX <i>Sathwik Narkedimilli (National University of Singapore (NUS))*; Tejas Sathish (Indian Institute of Information Technology Dharwad); Mohammed Yaseen Husain (Application Security Division, NIC MEITY Govt. of India); Sundaresan Poovalingam (Infosys Limited); Abhilash Anand (Military College of Telecommunication Engineering (MCTE)); Nitish Kumar (U R Rao Satellite Center, Indian Space Research Organization); Deepika H V (C-DAC Bengaluru, India); Ramesh K V (CSIR-4PI)</i>
1921	LipSync: Speech-driven 3D Facial Lip Animation via Prosodic Features <i>Shivanand Yallur (KLE Technological University)*; Kannika Kulkarni (KLE Technological University); Nikhil Akalwadi (KLE Technological University); Ramesh Tabib (KLE Technological University); Uma Mudenagudi (KLE Technological University)</i>

4.3: Remote Sensing | SIGMA-2 | 16:00 - 17:00

CMT ID	Paper Details
1980	MapGPT: Natural Language Interface for Geo-spatial Queries on Vector Maps <i>Charishma G. (Alva's Institute of Engineering, Mudbidri, Karnataka, India); Bharathi Ramudu (Centre for Artificial Intelligence and Robotics (CAIR), DRDO, Ministry of Defence, Karnataka, India); Rakesh K.P. (CAIR)*; Shibumon Alampatta (Centre for Artificial Intelligence and Robotics (CAIR), DRDO, Ministry of Defence, Karnataka, India); Narayan Panigrahi (Centre for Artificial Intelligence and Robotics (CAIR), DRDO, Ministry of Defence, Karnataka, India)</i>
1983	Groundwater Potential Areas Zoning in Devanahalli Watershed Using Analytical Hierarchy Process and GIS Techniques <i>Bharti Prasad (Nitte Meenakshi Institute of Technology, Bengaluru)*; Shraddha Hiremath (Department of Civil Engineering, Nitte Meenakshi Institute of Technology); Kathyayani C Harsha (Department of Civil Engineering Nitte Meenakshi Institute of Technology); Sandeep Singh (Department of Civil Engineering Nitte Meenakshi Institute of Technology)</i>
0396	RS-MaxViT: Domain-Adapted Multi-Axis Vision Transformer with Selective Freezing for High-Accuracy Land-Cover Classification <i>Alisha Raut (CSIR CEERI)*; Amit Gaikwad (GH Rasoni University, Amravati)</i>

7.1: Engineering Education | ESQUIRE-1 | 16:00 - 17:00

CMT ID	Paper Details
1168	Revisiting Quadratic Kappa in Automated Essay Scoring: Correcting Evaluation Errors and Proposing a Feature-Enriched Alternative <i>Shivam Anand Aralikatti (FLAME University)*; Manoranjan Dash (FLAME University)</i>
1539	A Personalized Federated Learning Framework for Student Performance Prediction <i>Nisha Raveendran (Amrita Vishwa Vidyapeetham, Mysuru)*; Akash Bharadwaj M (Amrita Vishwa Vidyapeetham, Mysuru); Akash L (Amrita Vishwa Vidyapeetham, Mysuru)</i>
1662	A Difficulty-Aware Prompt-Model Recommendation Framework for LLM-Generated Python Code Using Competency-Based Evaluation <i>Animesh Giri (PES University)*; Shreelakshmi G Bhat (PES University); Chinmayi Hebbar AM (PES University); Bhuvu Dange (PES University); Vrinda Venugopal M (PES University)</i>