



2nd International
Conference on Circuits, Power, and Intelligent Systems

CCPIS 2025

September 05-07, 2025

IEEE Conference Record Number: 65231

Venue: Silicon University, Odisha
Silicon Hills, Patia, Bhubaneswar, India

Program Schedule



Time (IST)	Day-1: September 5, 2025 (Friday)
09:30-13:00	Registration Venue: Near Auditorium, 5 th Floor, Administrative Building
10:00-11:10	Inaugural Session Venue: Auditorium, 5 th Floor Zoom Meeting Link https://us06web.zoom.us/j/81369490868?pwd=sndrGf6m7alrPUTXaraELEUaxKf2pK.1 Meeting ID: 813 6949 0868 Passcode: 227741
11:10-11:30	Group Photo & Tea Break Venue: Near Auditorium, 5th Floor
11:30-12:30	<u>Keynote Talk-1</u> Title: Compute in the AI Era Speaker: Dr. Shivananda Koteswar, Senior Vice President and Managing Director, Astera Labs India Venue: LH-1, 2nd Floor Zoom Meeting Link: https://us06web.zoom.us/j/82593918169?pwd=Z7ffTiznjMbh8IKaTb8apiA1qamMNZ.1 Meeting ID: 825 9391 8169 Passcode: 831382
12:30-14:00	Lunch Break Venue: Dining Hall, 4 th Floor



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14:00-15:00	<p style="text-align: center;"><u>Keynote Talk-2</u></p> <p>Title: Mulsemmedia: Intelligent smell generator for olfactory profiling and cognitive enhancements</p> <p>Speaker: Dr. Siba K. Udgata, Professor, University of Hyderabad, India</p> <p>Venue: LH-1, 2nd Floor</p> <p>Zoom Meeting Link: https://us06web.zoom.us/j/83255540088?pwd=kLM8YiGFyGAZ3c4XbosgsJOaakaBxy.1</p> <p>Meeting ID: 832 5554 0088</p> <p>Passcode: 085361</p>			
15:00-15:30	Tea Break			
15:30-17:30	<p style="text-align: center;">Session 1A</p> <p style="text-align: center;">Venue: TH-1, 2nd Floor</p>	<p style="text-align: center;">Session 1B</p> <p style="text-align: center;">Venue: TH-2, 2nd Floor</p>	<p style="text-align: center;">Session 1C</p> <p style="text-align: center;">Venue: TH3, 3rd Floor</p>	<p style="text-align: center;">Session 1D</p> <p style="text-align: center;">Venue: TH-5, 3rd Floor</p>
	Track: MCSD	Track: ISA	Track: PEC	Track: CNI
	<p style="text-align: center;">Paper IDs:</p> <p style="text-align: center;">Online Presentation:</p> <p style="text-align: center;">58, 172, 190, 218, 262, 296,</p> <p style="text-align: center;">Offline Presentation:</p> <p style="text-align: center;">299, 93, 192, 292, 622</p>	<p style="text-align: center;">Paper IDs:</p> <p style="text-align: center;">Online Presentation:</p> <p style="text-align: center;">9, 53, 54, 68, 150, 151, 153</p> <p style="text-align: center;">Offline Presentation:</p> <p style="text-align: center;">55, 56, 187</p>	<p style="text-align: center;">Paper IDs:</p> <p style="text-align: center;">Online Presentation:</p> <p style="text-align: center;">30, 34, 108, 163, 186, 201,</p> <p style="text-align: center;">Offline Presentation:</p> <p style="text-align: center;">95, 72, 173, 100</p>	<p style="text-align: center;">Paper IDs:</p> <p style="text-align: center;">Online Presentation:</p> <p style="text-align: center;">26, 129, 167, 360, 363, 364, 378, 396</p> <p style="text-align: center;">Offline Presentation:</p> <p style="text-align: center;">630, 631, 659</p>
	<p>Zoom Meeting Link:</p> <p>https://us06web.zoom.us/j/87225851280?pwd=snqgQQWu1YjudVDuggArac9yDR0EKW.1</p> <p>Meeting ID: 872 2585 1280</p> <p>Passcode: 954774</p>	<p>Zoom Meeting Link:</p> <p>https://us06web.zoom.us/j/82112260106?pwd=sPbkbks36gib7Cat8mEIRGweBj4fo7.1</p> <p>Meeting ID: 821 1226 0106</p> <p>Passcode: 388179</p>	<p>Zoom Meeting Link:</p> <p>https://us06web.zoom.us/j/73645186713?pwd=dpePzBZrbJZbhWv2pRgNqoMS9bM5V0.1</p> <p>Meeting ID: 736 4518 6713</p> <p>Passcode: 412798</p>	<p>Zoom Meeting Link:</p> <p>https://us06web.zoom.us/j/81096774511</p> <p>Meeting ID: 810 9677 4511</p> <p>Passcode: 436437</p>



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	Session Chair: Dr. Abhijit Kundu Chaibasa Engineering College Dr. Sudhansu Mohan Biswal Silicon University	Session Chair: Dr. Bharati Mishra IIIT Bhubaneswar Dr. Pradyumna Tripathy Silicon University	Session Chair: Dr. Umamani Subuddhi IIIT Bhubaneswar Dr. Lopamudra Mitra Silicon University	Session Chair: Dr. Jayshree Piri KIIT Deemed to be University Dr. Biswajit Baral Silicon University
	Session Coordinator: Dr. Biranchi N Rath Mr. Lalit Barik Manisha Nayak (SV)	Session Coordinator: Dr. Nivedita Pati Mr. Subhasankar Panda Ashis Dhir (SV)	Session Coordinator: Dr. Amiya Bhusan Sahoo Ms. Rina Bastia Subhojeet Biswas (SV)	Session Coordinator: Dr. T Dinesh Verma Ms. Sujata Das Sarthak Upadhyaya (SV)
Day-2: September 6, 2025 (Saturday)				
09:30-10:30	Registration Venue: Near LH-1, 2 nd Floor			
10:00-11:00	<p style="text-align: center;"><u>Keynote Talk-3</u></p> <p style="text-align: center;">Title: Zero Electrical Fire Solution – Redefining Electrical Safety for a Sustainable Future</p> <p style="text-align: center;">Speaker: Mr. Sonjib Banerjee, Founder & Chairman, Manav Energy, Bengaluru, India</p> <p style="text-align: center;">Venue: LH-1, 2nd Floor</p> <p style="text-align: center;">Zoom Meeting Link: https://us06web.zoom.us/j/88424064789?pwd=AAzFgb45IGfTwhLkRlfoJijDdF53vP.1</p> <p style="text-align: center;">Meeting ID: 884 2406 4789</p> <p style="text-align: center;">Passcode: 644070</p>			
11:00-11:30	Tea Break			
11:30-13:00	Session 2A Venue: TH-1, 2 nd Floor	Session 2B Venue: TH-2, 2 nd Floor	Session 2C Venue: TH-3, 3 rd Floor	Session 2D Venue: TH-5, 3 rd Floor
	Track: ISA	Track: ISA	Track: PEC	Track: PEC



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	Paper IDs: Online Presentation: 197, 215, 260, 303 Offline Presentation: 268, 382, 383	Paper IDs: Online Presentation: 304, 342, 357, 369 Offline Presentation: 638	Paper IDs: Online Presentation: 204, 266, 267, 278, 289 Offline Presentation: 663	Paper IDs: Online Presentation: 300, 344, 348, 354, 355 Offline Presentation: 353
	Zoom Meeting Link: https://us06web.zoom.us/j/84941951891?pwd=f1xiKruIZ9avMLscapxaD9UAczEwYf.1 Meeting ID: 849 4195 1891 Passcode: 795817	Zoom Meeting Link: https://us06web.zoom.us/j/82941238853?pwd=KaCL201MDDMtAYhJqnlcz200jjOat.1 Meeting ID: 829 4123 8853 Passcode: 376497	Zoom Meeting Link: https://us06web.zoom.us/j/85144555724?pwd=Du1pPV4ynjNaYWsaDwYBU5uhoHCcbS.1 Meeting ID: 851 4455 5724 Passcode: 735916	Zoom Meeting Link: https://us06web.zoom.us/j/89415892093 Meeting ID: 894 1589 2093 Passcode: 767204
	Session Chair: Dr. Puspanjali Mahapatra IIIT Bhubaneswar Dr. Pragyan Paramita Das Silicon University	Session Chair: Dr. Debasmita Pradhan KIIT Deemed to be University Dr. Nayan Paul Silicon University	Session Chair: Dr. Manoj Debnath SoA University Dr. Rajan Kumar Mishra Silicon University	Session Chair: Dr. Sanjeet Kumar Subuddhi, CV Raman Global University Dr. Nivedita Pati Silicon University
	Session Coordinator: Dr. Biswajit Baral Mr. Prasant K Swain Manisha Nayak (SV)	Session Coordinator: Dr. Annapurna Mishra Ms. Rina Bastia Ashis Dhir (SV)	Session Coordinator: Prof. Laxmi N Pathy Mr. Sanjay K Mohapatra Subhojeet Biswas (SV)	Session Coordinator: Dr. Rajesh Ojha Mr. Sambit P Rana Sarathak Upadhyaya (SV)
13:00-14:00	Lunch Break Venue: Dining Hall, 4th Floor			
	Session 3A Venue: TH-1, 2 nd Floor	Session 3B Venue: TH-2, 2 nd Floor	Session 3C Venue: TH-3, 3 rd Floor	Session 3D Venue: TH-5, 3 rd Floor
	Track: MCSD	Track: ISA	Track: PEC	Track: MSP

Program Schedule

14:00-16:30	<p>Paper IDs: Online Presentation: 332, 625 Offline Presentation: 451, 643, 644, 654</p>	<p>Paper IDs: Online Presentation: 305, 395, 519, 525, 624 Offline Presentation: 416, 535, 626, 628, 629, 527</p>	<p>Paper IDs: Online Presentation: 367, 368, 379, 386, 388, 621, 649, 657 Offline Presentation: 356, 595, 620, 656</p>	<p>Paper IDs: Online Presentation: 57, 196, 254, 317, 323, 516 Offline Presentation: 177, 195, 529, 662</p>
	<p>Zoom Meeting Link: https://us06web.zoom.us/j/88201850053?pwd=YrPVJBX9zw2weoM63mWUobCUg2FUCX.1</p> <p>Meeting ID: 882 0185 0053 Passcode: 035609</p>	<p>Zoom Meeting Link: https://us06web.zoom.us/j/84402958329?pwd=hMhvbvqN8JCBH2apC1mhjYKa2wWhpOh.1</p> <p>Meeting ID: 844 0295 8329 Passcode: 610187</p>	<p>Zoom Meeting Link: https://us06web.zoom.us/j/82416913549?pwd=fvW0nIRjnggfWiEzCSDIIfJcuQRX4.1</p> <p>Meeting ID: 824 1691 3549 Passcode: 099415</p>	<p>Zoom Meeting Link: https://us06web.zoom.us/j/84754212383</p> <p>Meeting ID: 847 5421 2383 Passcode: 201713</p>
	<p>Session Chair: Dr. Tara Prasanna Dash SoA University Dr. Sangamitra Das Silicon University</p>	<p>Session Chair: Dr. Hanuman Prasad Agrawal JK Lakshmi Pat University Dr. Samaleswari Prasad Nayak Silicon University</p>	<p>Session Chair: Dr. Ashwini Kumar Nayak NIST University Dr. Rabi Narayan Mishra Silicon University</p>	<p>Session Chair: Dr. Niranjana Ray, KIIT Deemed to be University Dr. Biranchi Narayan Rath Silicon University</p>
	<p>Session Coordinator: Prof. Dhananjay Tripathy Mr. Debi P Pradhan Nandan Satapathy (SV)</p>	<p>Session Coordinator: Dr. Pragyan P Das Mr. Pravat K Singh Prakhar Mishra (SV)</p>	<p>Session Coordinator: Dr. Lopamudra Mitra Mr. Chandra Sekhar Das Priyanshu Das (SV)</p>	<p>Session Coordinator: Dr. Nibedita Swain Mr. S K Roshan Ali Swayam Swarup Dash (SV)</p>
14:00-15:00	<p>IEEE Student Branch at Silicon University activity (Parallel Session) in collaboration with IEEE young Professionals</p> <p>Expert Talk: Fuel Challenges in the Era of Advanced Boiler Technology</p> <p>Speaker: Dr. Kiran Kumar Patra, Boiler Operation & Power Plant Utility Division, BOE, National Productivity Council</p> <p>Venue: LH-1, 2nd Floor</p>			



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16:30-16:45	Tea Break			
19:00-21:00	Gala Dinner			
Day-3: September 7, 2025 (Sunday)				
09:30-10:30	Registration Venue: Near LH-1, 2nd Floor			
10:00-11:00	<div>Keynote Talk-4</div> <div>Title: Core Methodologies Powering Today’s AI Breakthroughs</div> <div>Speaker: Dr. Swaroop Mishra, MTS, Microsoft AI, USA</div> <div>Venue: LH-1, 2nd Floor</div> <div>Zoom Meeting Link: https://us06web.zoom.us/j/88214854672?pwd=M7JzJf1eQsLt7a12rGLa5ITbsaYsFa.1</div> <div>Meeting ID: 882 1485 4672</div> <div>Passcode: 691688</div>			
11:00-11:30	Tea Break			
11:30-13:00	Session 4A Venue: TH-1, 2 nd Floor	Session 4B Venue: TH-2, 2 nd Floor	Session 4C Venue: TH-3, 3 rd Floor	Session 4D Venue: TH-5, 3 rd Floor
	Track: NDS	Track: ISA	Track: ISA	Track: CNI
	Paper IDs: Online Presentation: 154, 264 Offline Presentation: 280, 635, 636, 639	Paper IDs: Online Presentation: 632, 640, 648, 288 Offline Presentation: 646, 647, 533	Paper IDs: Online Presentation: 664, 665 Offline Presentation: 655, 666, 667, 365, 531	Paper IDs: Online Presentation: 641, 128 Offline Presentation: 633, 660, 645, 661



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	Zoom Meeting Link: https://us06web.zoom.us/j/82482582936?pwd=JPDxJxaayZTcQcTtze4WofbB2OqxVn.1 Meeting ID: 824 8258 2936 Passcode: 427450	Zoom Meeting Link: https://us06web.zoom.us/j/84531618773?pwd=ra2WDc4rjdR1BJFdIabsccNqwtY8S9.1 Meeting ID: 845 3161 8773 Passcode: 404075	Zoom Meeting Link: https://us06web.zoom.us/j/86899056308?pwd=RBm8tcRSUOYzDtpopYbJ2GalJ9fZmV.1 Meeting ID: 868 9905 6308 Passcode: 861785	Zoom Meeting Link: https://us06web.zoom.us/j/84677670078 Meeting ID: 846 7767 0078 Passcode: 784983
	Session Chair: Mrs. Rupanwita Das Mahapatra Adamas University Dr. Ch. Sanjeev Kumar Dash Silicon University	Session Chair: Dr. Shiba Prasad Tripathy SoA University Dr. Rajesh Kumar Ojha Silicon University	Session Chair: Dr. Rabindra Kumar Barik KIIT Deemed to be University Dr. Ambarish G. Mohapatra Silicon University	Session Chair: Dr Abhijit Kundu Chaibasa Engineering College, Jharkhand Dr. Ranjit Kumar Behera Silicon University
	Session Coordinator: Dr. Tapas K Maji Mr. S K Ali Nandan Satapathy (SV)	Session Coordinator: Prof. Gyana R Biswal Mr. Sanjay K Mohapatra Prakhar Mishra (SV)	Session Coordinator: Dr. Utpal Das Mr. Prasant Swain Priyanshu Das (SV)	Session Coordinator: Dr. Sanghamitra Das Mr. Sambit P Rana Swayam Swarup Dash (SV)
13:00-14:30	Lunch Break			
14:30-15:30	<p style="text-align: center;"><u>Keynote Talk-5</u></p> <p style="text-align: center;">Title: Network Resilience of Automation Protection and Control using Smart Power Grids</p> <p style="text-align: center;">Speaker: Dr. K Shanti Swarup, Professor, IIT Madras, India</p> <p style="text-align: center;">Venue: LH-1, 2nd Floor</p> <p style="text-align: center;">Zoom Meeting Link: https://us06web.zoom.us/j/85341201163?pwd=anbbJGcMRbiXcbqy4Vl7qtK7QRXhn1.1</p> <p style="text-align: center;">Meeting ID: 853 4120 1163 Passcode: 882485</p>			
15:30-16:15	<p style="text-align: center;"><u>Talk on Women in Engineering (WiE)</u></p> <p style="text-align: center;">Title: AI and Deep learning for Applications in Healthcare and other emerging areas</p>			



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	Speaker: Dr. Celia Shahnaz, Professor, Bangladesh University of Engineering and Technology, & Chair, IEEE WIE Nominations and Appoints Venue: LH-1, 2nd Floor
16:15-16:30	Valedictory Session Venue: LH-1, 2nd Floor
16:30-16:45	Group Photo & High Tea Venue: Near LH-1, 2nd Floor

Technical Sessions Details

Day-1: September 5, 2025 (Friday)					
Time (IST)	Session Details	Paper ID	Paper Title	Presenter Name	Mode of Presentation
15:30-17:30	Session 1A Venue: TH-1, 2 nd Floor Track: MCSD	58	Performance Analysis for Optimized ALU Design Using Carry Select Adder and Vedic Multiplier	SANDEEP DHARIWAL	ONLINE
		172	Exploring Potential of the State of the Art Speaker Diarization Frameworks for Multilingual Multi Speakers Conversation	ALMAMUN SHEIKH	ONLINE
		190	FPGA-Driven Power Analysis Detecting Trojan Threat in RISC-V Processor	SANDEEP DHARIWAL	ONLINE
		218	Hybrid Hardware-Software Co-Design for Real-Time Speech Encryption Using Hyperchaotic Sequences	MOHAMED RINOS M	ONLINE
		262	A Finite Element Approach to Electrothermal Actuator Based MEMS Accelerometer Design	MANTRI ANANDITHA	ONLINE
		296	Energy Efficient Low Latency Approximate Multiplier using FPGA for Image Processing	SHAIK MOHISENA TABASSUM	ONLINE
		299	Photonic Entanglement Using Transition Metal Dichalcogenide Quantum Dots for Advanced Quantum Computation	CHOUDHURY JAYANT PRAHARAJ	OFFLINE
		93	Channel Potential-based Mobile Charge Density Analysis for Junctionless Double Gate Dual Material (JL DGDM) MOSFET	SRIKRISHNA BARDHAN	OFFLINE
		192	32-Bit Low Power Reversible ALU using CRC for Error Detection	SHITHAN GHOSH	OFFLINE
		292	Impact of Gate-Source/Drain Underlap on Device Performance of Germanium Nanosheet FETs	ANWESHA HALDER	OFFLINE
		622	Advanced Scaling of Monolayer and Bilayer Metal Dichalcogenide HSMOSFETs for 2nm and 17 Angstroms VLSI Systems Technology	CHOUDHURY JAYANT PRAHARAJ	OFFLINE

Program Schedule

15:30-17:30	Session 1B Venue: TH-2, 2nd Floor Track: ISA	9	Leveraging Computer-Aided Design Capture Tools for Effective Asset Tag Scraping and Data Relationship Management	ABHINAV PARASHAR A SINGH	ONLINE
		53	GAN-Based Model for Normal Blood Cells and Classification of Blood Cells	KRITHIK NAREN S	ONLINE
		54	PCOS Detection Using YOLOv8 in Ultrasound Imaging	OLIVA JAYAKANTHAN	ONLINE
		68	CiGeN 3.0-Continual Learning and GAN-Augmented Vision Transformer for Robust Medical Diagnosis	ARCHANA DASH	ONLINE
		150	Emotion Aware Therapeutic Conversational Agent: A Multimodal Approach to Mental Health Support	AMAN BARNAWAL	ONLINE
		151	Dynamic Crop Recommendation System Using Geospatial and Weather Data	ISHAN JAIN	ONLINE
		153	PCA Enabled Countour & Inclination Detection for Identification of Disease in Tomato Leaf	SANJAY.S	ONLINE
		55	Fusion of Multi Model Vision Transformers Features with Pre-Trained CNN Classifiers for Enhanced Brain Tumor Diagnosis	SOUMYARASHMI PANIGRAHI	OFFLINE
		56	A Comparison of Interdependent Deep Learning Models and Exponential Smoothing Method for Predicting Bitcoin Price	NRUSINGHA TRIPATHY	OFFLINE
		187	Performance Analysis of KUI Speech Command Recognition Using Machine Learning Techniques	SUBRAT KUMAR NAYAK	OFFLINE
15:30-17:30	Session 1C Venue: TH3, 3rd Floor Track: PEC	30	Optimizing Load Dispatch: Comparing MPC and LLF Heuristics in Low-Carbon Power Systems	PRASANNA BANSODE	ONLINE
		34	Optimal and Robust Control Analysis of Ball and Plate System	ANJU DAS	ONLINE
		108	Examining the Probability of Micro-hydro Power Generation in Dikrong River, Arunachal Pradesh	PIYALI DAS	ONLINE
		163	Grid-Connected PV Array and Battery StorageBased EV Charging Station Using FOPID Control Strategy	VINEELA RAMAKKAGARI	ONLINE
		186	Comparative study of four objective functions for metaheuristics-based tuning of PID controller for electric furnace temperature	RITU RANI DE MAITY	ONLINE

Program Schedule

15:30-17:30			control		
		201	Review of Self Healing Mechanisms for an Enhanced Power Grid Resilience	JAYASUDHA	ONLINE
		95	Energy Recovery and Performance Analysis of Regenerative Braking in Electric Bicycles	S RAMANA KUMAR JOGA	OFFLINE
		72	Detecting Arc and Short Circuit Faults in Transmission Line using Phasor Measurement Units	JAGADEESH GORREPOTU	OFFLINE
		173	Direct Torque Control of Induction Motor Using Five Angle SHEPWM Inverter	SUBHASRI SATPATHY	OFFLINE
		100	Design and Optimization of DC Railway Traction System Dynamics Using Metaheuristic Techniques	S RAMANA KUMAR JOGA	OFFLINE
	Session 1D Venue: TH-5, 3rd Floor Track: CNI	26	APT Attack Detection and Defense Techniques: A Review	GAURAV NEELWARNA	ONLINE
		129	Integration of IoT, AI, and ML in Carbon Sequestration for Efficient Monitoring and Detection of Specific Pollutants in Air	HARDEEP SINGH DHILLON	ONLINE
		167	GreenSterz: Solar Driven Autoclave for Medical Sharps Sterilization in Rural Healthcare	SWETHA ANAND A	ONLINE
		360	Cloud-based Disaster Management System using Edge Machine Learning Approach	SADASHIV RAMESH BADIGER	ONLINE
		363	DQL-KSP: Deep Q-Learning assisted Knapsack-Based Cooperative Caching Framework for Vehicular Networks	SREYA GHOSH	ONLINE
		364	Voice-Controlled Wheelchair Architecture: Simulation-Based Implementation on LPC2138 Microcontroller	NIKITHA RODRIGUES	ONLINE
		378	An Enhanced Deep Learning Model for Intrusion Detection System: A Robust Gradient-Based Defence Mechanism	MUKESH KUMAR	ONLINE
		396	Privacy-Preserving Strategies for Secure Cloud of Things: A Review of Current Approaches	SOUBHAGYA RANJAN MALLICK	ONLINE
15:30-17:30		630	Mushroom Shaped UWB Antenna with Circular Parasitic Patch for Wireless Communication	RAJASHREE PRIYADARSHINI	OFFLINE

Program Schedule

		631	IoT-Based Smart Energy Monitoring System with Using ESP32 and PZEM-004T	DHANANJAYA TRIPATHY	OFFLINE
		659	On the Ergodic Sum Capacity of CDRT based SWIPT NOMA Network Under Imperfect SIC	ARADHANA RAJU	OFFLINE
Day-2: September 6, 2025 (Saturday)					
11:30-13:00	Session 2A Venue: TH-1, 2 nd Floor Track: ISA	197	Emotion Detection and Interaction System for Autism Spectrum Disorder using Machine Learning	CHENNABOYUNA MALLIKA	ONLINE
		215	Exploring Factors Influencing Female Employability in Bengaluru using XGBoost	RAJESH G	ONLINE
		260	Smart Financial Insights: AI-Driven Financial Insights for Next Generation Financial Forecasting	PRADYUMNA KUMAR TRIPATHY	ONLINE
		303	Enhancing Liver and Tumor Segmentation with Res50UNet using CDFL and Albumentations	CHETNA SINHA	ONLINE
		268	Development and Validation of an Artificial Intelligence Classifier for Predicting Diabetes Risk in Pre-Diabetic Patients	MAHIMA CHAKRABOTY	OFFLINE
		382	Enhancing Assistive Communication through IoT-Based Hand Gesture Recognition	HANUMAN PRASAD AGRAWAL	OFFLINE
		383	Smart Parking System	DIVANSHU JAIN	OFFLINE
11:30-13:00	Session 2B Venue: TH-2, 2 nd Floor Track: ISA	304	Enhancing Cyber Threat Detection with Generative Adversarial Networks and Anomaly Detection Techniques	BIJAYA KUMAR PAIKRAY	ONLINE
		342	Prediction: Landslides and Floods Detection using Deep Learning Techniques	M.KUSUMA	ONLINE
		357	Prediction of Accidents by Surveillance and Continuous Monitoring of Road Conditions Using Deep Learning Techniques	N.MALAVIKA	ONLINE
		369	A Survey on Diabetic Retinopathy Detection, Classification and Future Trends	C AHALYA	ONLINE
		638	The Role of Machine Learning in Climate Change Mitigation: A Survey	PUSPANJALI MOHAPATRA	OFFLINE

Program Schedule

11:30-13:00	Session 2C Venue: TH-3, 3 rd Floor Track: PEC	204	Development of a DC Islanded Microgrid for Hydrogen Production using Solar and Energy Storage System	BABITA GUPTA	ONLINE
		266	Modeling of Photovoltaic Road Infrastructure in Indian Highways: Assessment of Energy Output, Emission Cuts, and Shading-Induced Thermal Benefits	ADITYA SINGH	ONLINE
		267	Hybrid Grey Wolf Optimization-Based Hydro-Thermal Scheduling Integrating Wind and Solar Energy Resources	M. PRAKASH	ONLINE
		278	ENHANCING INTEGRATED RENEWABLE ENERGY SYSTEMS BY SOLVING ECONOMIC LOAD DISPATCH PROBLEMS USING THE GWO METAHEURISTIC TECHNIQUES	MANAS HEMBRAM	ONLINE
		289	Design, Analysis, and Prototyping of Induction Motor for Vegetable Cutting Machine	HAYATULLAH NORY	ONLINE
		663	Design and Implementation of MPPT Controlled Buck, Boost and Buck-Boost Converter	ASHWINI KUMAR NAYAK	OFFLINE
	Session 2D Venue: TH-5, 3 rd Floor Track: PEC	300	Design of a Local Energy Market Considering Fuzzy Based Priority Scheduling	CHINMOY CHAKRABORTY	ONLINE
		344	Design of a Novel Single Phase Three- Stage Cascaded Quasi-Z-Source Inverter with Improved THD and High Boost Voltage	REZAUL HOSSAIN	ONLINE
		348	Performance Analysis of Brushless Doubly-Fed Reluctance Generator Based Wind Energy Conversion System	SUBIR DATTA	ONLINE
		354	Toward Clean Energy: Carrier Density Optimization in FAMASnGeI ₃ - Based Perovskite Solar Cells	SUMAN GOTHWAL	ONLINE
		355	Influence of Temperature and Layer Thickness on the Photovoltaic Efficiency of (FA) ₂ BiCuI ₆ -Based Perovskite Solar Cells	VISHWAS GROVER	ONLINE
		353	Comparative analysis of PI, PID & FuzzyPID controllers for various load changes of a double-area power system.	GOBINDA CHANDRA MAHARANA	OFFLINE
	Session 3A	332	Study of Digital Circuit Characteristics using GAA-Nanowire FET	SREERAM MOUNIKA	ONLINE

Program Schedule

14:00-16:00	Venue: TH-1, 2 nd Floor Track: MCSD	625	Determination of p-Cymene Content in Ajwain Oil Samples Using a Quartz Crystal Microbalance (QCM) Based Sensor	MOHASIN ALI MIAH	ONLINE
		451	Analyzing the Characteristics of Strain-Induced SiNW Super-lattice pin Based Single-Pole-Single Throw Series-shunt and Shunt Switch at THz frequency	RUPANWITA DAS MAHAPATRA	OFFLINE
		643	Attention-Based Framework for Automated and Scalable Placement in VLSI Design	AKSHAYA KUMAR DASH	OFFLINE
		644	Analysis of Scalable Performance of Recent VLSI Routing Algorithms	CHITTARANJAN MOHAPATRA	OFFLINE
		654	Analog/RF Performance analysis of a DMG-FinFET	DEBASISH NAYAK	OFFLINE
	Session 3B Venue: TH-2, 2 nd Floor Track: ISA	305	A Clinical Decision Support Framework for Delivery Mode Prediction Using AI	RAMANI VIJAY CHELVI C	ONLINE
		395	Spatial Distribution Modeling of Panthera tigris for Conservation Planning in India: A Google Earth Engine-Based Approach	AKASH MONDAL	ONLINE
		519	Clustering and Predictive Modeling of Epileptic Spikes and Seizures using EEG Data	GOMATHY M	ONLINE
		525	Benchmarking Source Camera Identification from a Digital Image: A Comprehensive Survey	SHALINI.N.P	ONLINE
		624	A study on the impact of Deep Learning on de-aging the characters in movies between 2010–2024: A Systematic Review	MANIKANDAN C	ONLINE
		416	Intelligent Energy-Aware Routing in WBANs Using Decision Tree Clustering and Adaptive Sleep Scheduling	RANJIT KUMAR BEHERA	OFFLINE
		535	Enhancing Music Genre Classification using Ensemble and Deep Learning Approaches	CHANDAN PATRA	OFFLINE
		626	Analyzing Biomedical Signals for Huntington's Disease Prediction: A Signal Processing Approach	JUDHISTHIR DASH	OFFLINE
		628	Multi-Task Adversarial U-Net with Attention Gates for Brain Tumor Image Synthesis and Segmentation	CH. SANJEEV KUMAR DASH	OFFLINE
		629	Emoji-Aware Deep Learning Framework for Sarcasm Detection in Social Media	SUJATA SWAIN	OFFLINE

September 05-07, 2025

IEEE Conference Record Number: 65231

Venue: Silicon University, Odisha
Silicon Hills, Patia, Bhubaneswar, India

Program Schedule

14:00-16:00		527	Real-time Indian Sign Language Alphabet Detection using Transfer Learning with YOLOv8	ABHIJIT JOSHI	OFFLINE
	Session 3C Venue: TH-3, 3rd Floor Track: PEC	367	Parametric Study of a V-Team Memristor Model and Building its Application in Full Adder Circuits	PAVAN KUMAR MARAGANI	ONLINE
		368	Performance Analysis of Low -Power High-Speed Hybrid Full Adder	SHAIK HAJI BASHA	ONLINE
		379	Advanced Design and Performance Evaluation of Inductive Contactless Power Transfer Systems for Electric Vehicles	M. PRAKASH	ONLINE
		386	IOT-ENABLED AUTOMATIC POWER FACTOR CORRECTION SYSTEM	SANDRA S R	ONLINE
		388	Design and Hardware Implementation of a Valley Current Mode Modulated Synchronous Buck Converter	SHILPI SAHA	ONLINE
		621	Accelerating Rate Calorimetry Test based Fault Analysis of EV Battery Packs	SHIVANSHU KUMAR	ONLINE
		649	Design of Energy storage systems and Fuzzy Tilt Controller for improving stability in AC Microgrid	MADHAB CHANDRA DAS	ONLINE
		356	Defect Density and Layer Thickness Optimization in CsFAMA Perovskites for Stable High-Efficiency PSCs	PRIYANKA KAR	OFFLINE
		595	Inherent Power Quality Improvement in Bidirectional PV-Grid Connected EV Charging Systems	CHANDAN MANDAL	OFFLINE
		620	Online Changeover of Two Standalone 11 kV Switchgears at Hindalco Plant: Enhanced Contingency Management and Power Reliability	RAJAN KUMAR MISHRA	OFFLINE
		656	Bidirectional Off-Board EV Charging System for Enhanced Grid Power Quality	ASHUTOSH PATRA	OFFLINE
		657	Frequency Regulation of Battery and SSSC based Renewable System with MFOTID Controller	SUBHRANSHU PATI	ONLINE
		57	Scene Analysis in Remote Sensing Using Deep Learning	BHASU SHRESTHA	ONLINE

Program Schedule

14:00-16:00	Session 3D Venue: TH-5, 3 rd Floor Track: MSP	196	A Review of Image Segmentation Techniques Based on Optimization Techniques with Otsu’s method	DUSSA SUDHA MOHAN	ONLINE
		254	Multilingual ASR for Indic Languages Using OpenAI’s Whisper	MALLA MAHALAKSHMI	ONLINE
		317	Deep Steganalysis Using InceptionResNetV2: A Transfer Learning Approach for Binary Image Classification	GEETHA R	ONLINE
		323	Quantum phase Transition and Entanglement Entropy in DNA Denaturation Dynamics Via Heisenberg Spin Model	SANIA PARVEEN	ONLINE
		516	Optimizing Diabetes Mellitus Prediction on PIMA Indian Data through Hyperparameter Tuning using ML and Ensemble Techniques	G SIVA SANKAR VARMA	ONLINE
		177	Enhancing COVID-19 CT Image Classification with Attention-Augmented Pretrained Models	ROHIT GUPTA	OFFLINE
		195	A Deep Learning-Driven OCR Framework for Medical Prescription Analysis Using Hybrid Preprocessing and Multi-Model Architecture	RIDDHI PRATIM DAS	OFFLINE
		529	LIGHTWEIGHT AND EFFICIENT VARIATIONAL AUTO ENCODER FOR ARRHYTHMIA DETECTION	ARJUN SASIKUMAR	OFFLINE
		662	Dark Image Enhancement using Synthesized nth Root and nth Power Transform	PRAVAT KUMAR SINGH	OFFLINE
Day-3: September 7, 2025 (Sunday)					
	Session 4A Venue: TH-1, 2 nd Floor Track: NDS	154	Navigating the World of Cloud Computing: What Growing Businesses Need to Know	DEVARSHI KOKATE	ONLINE
		264	A Hybrid Approach to Financial Analysis: Integrating Machine Learning with Blockchain for Transparency and Efficiency	PRINCY DIWAN	ONLINE
		280	Dual Count Down Clock System (DCCS)with Data Logger Interface	SWATHY S NAIR	OFFLINE
		635	Dual-Signaling ACO for Highly Dynamic and Distributed Environments: Proactive Pheromone Injection for Adaptive Load Balancing	ADITYA VERMA	OFFLINE

Program Schedule

11:30-13:00		636	Comparative Study of different Task Scheduling algorithm in an Energy Efficient way in Cloud Computing	BANAJA MISHRA	OFFLINE
		639	LOAD BALANCING WITH A HYBRID GENETIC ALGORITHM IN CLOUD COMPUTING	YOGASAMBHUTA DASH	OFFLINE
	Session 4B Venue: TH-2, 2 nd Floor Track: ISA	632	FoodAnalyzer: A Smart Web-Based Nutrition Analysis System for Indian Cuisine Using AI and Open Datasets	SUVAM NEOG	ONLINE
		640	Machine Learning-aided Classification of Edible Berries in Organic Agri-food Industries	RITWIK MUKHERJEE	ONLINE
		648	Artificial Intelligence & Machine Learning based Solar Energy Forecasting for Microgrid Operations	RAJESWARI SWAIN	ONLINE
		288	Domain-Specific Fine-Tuning of PubMedBERT for Neonatal Care Applications	TOOBA ALI ZAHED	ONLINE
		646	DAUT-DC: Integrating Depth-to-Color refinement into a Depth-Aware U-shape Transformer for Enhanced Underwater Vision	ARDHI TARUN	OFFLINE
		647	Lightweight and Efficient Deepfake Detection Using Transfer-Learned MobileNetV2	DEBASISH NAYAK	OFFLINE
		533	FRAUD DETECTION IN FINANCIAL TRANSACTION USING MACHINE LEARNING	PRABHAKAR RATH	OFFLINE
	Session 4C Venue: TH-3, 3 rd Floor Track: ISA	664	Adaptive AI Pipeline for Image-Based Video Synthesis	DEBASHISH PAL	ONLINE
		655	Real-Time Attendance Monitoring System Using RFID	NALINI SINGH	OFFLINE
		665	DUCK-U-Net: A Deep Learning Framework for Multiclass Brain Tumor Segmentation	DIPTENDU MAJUMDAR	ONLINE
		666	prediction of diabetic retinopathy using nasnet deep learning and comparison study	SANJEEB KUMAR SAHOO	OFFLINE
		667	Fibonacci Retracement and RSI Optimized Strategy for Indian Mid-Cap Stocks for Swing Trading	SUKHENDU MOHAN PATNAIK	OFFLINE
		365	Lightweight Bot Detection via Heuristic-Based Behavioural and CAPTCHA Integration	SATYAJIT PARIDA	OFFLINE



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Program Schedule

		531	A Novel Hybrid Architecture for Breast Cancer Detection Using Machine Learning and Deep Learning	K SONALI	OFFLINE
	Session 4D Venue: TH-5, 3 rd Floor Track: CNI	641	An Improved Real Time Child Tracking Device using ESP32S3	SAJAL SARKAR	ONLINE
		128	Real - Time Disease Monitoring and Alert System for Public Health Safety	SHRE HARI P	ONLINE
		633	Evaluation of an Asymmetric Dual-Hop RF-FSO Relay System under the Effect of Atmospheric Turbulence and Misalignment	UTPAL DAS	OFFLINE
		660	A Mobility-Aware IoT-Fog-Blockchain Framework with Queuing and Game-Theoretic Trust	MANASWINI NAYAK	OFFLINE
		645	Optimal Path Selection in Wireless Sensor Networks for IoT and 5G Applications	SUBESH KUMAR BEHERA	OFFLINE
		661	A Multi-Dimensional Comparative Study of Popular Blockchain Consensus Protocols for Scalable Networks	MANASWINI NAYAK	OFFLINE
END					

Track Acronyms:

MCSD: Microelectronic Circuits & Systems Design

PEC: Power, Energy, and Control

MSP: Multimedia and Signal Processing

ISA: Intelligent Systems & Applications

CNI: Communication Network and IoT

NDS: Network and Distribution Systems



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