Intenational Conference on Intelligent Systems and Security
Indian Institute of Engineering Science and Technology , Shibpur
Programme Schedule

Day 1 (20-12-2024)		
Time (in IST)	**Details**	**Meeting Link for Online Participant**
9:00-10:00	Registration	
10:00-11:00	**Invited Talk** **Prof. Indrakshi Ray,** *Colorado State University, USA* **Title: Modeling and Reasoning about Cyber-Physical Systems Resiliency** **Session Chair: Dr. Sanasam Ranbir Singh, IIT Guwahati**	meet.google.com/cme-ckjh-pys
11:00-11:30	Tea/Coffee Break	
11:30-12:30	**Invited Talk** **Mr. Sanjay Kumar Das,** *MD, WEBEL, Kolkata, India* **Title:** **Session Chair: Dr. Saibal Kumar Pal, Scientist 'G' and Head Cryptology Division, DRDO, Scientific Research Group**	meet.google.com/cme-ckjh-pys
12:30-1:30	**Invited Talk** **Dr. Aninda Bose,** *Executive Editor, Interdisciplinary Applied Sciences, Computational Intelligence, Energy, Springer Nature, London* **Title: Publishing Ethics and Author Services** **Session Chair: Dr. Chandan Giri, IIEST Shibpur**	meet.google.com/cme-ckjh-pys
1:30-2:30	Lunch	

	Technical Session I Session Chair: Dr. Ruchira Naskar, IIEST Shibpur, India	
	Paper ID / **Paper Title**	**Meeting Link for Online Participant**
2:30-3:30	97 — Cyber-attack Detection Model using Boosting-based Feature Selection and Ensemble Learning Technique for IoT Ecosystems	meet.google.com/cme-ckjh-pys
	66 — Countering Greyhole Attack in Opportunistic Networks using a Reporting and Patrolling Model	
	136 — A Deep Learning Approach to Signature Forgery Detection with Residual Attention Mechanisms	
	76 — Design of an Efficient Deep-learning based Augmentation Model for Identification of Inpainting Forgeries	
	148 — Enhancing Smart Grid Data security: A Pairing-free based Proxy Re-encryption Approach	

3:30-4:00	Tea/Coffee Break	
4:00-5:00	Innaguration	meet.google.com/cme-ckjh-pys

	Technical Session II Session Chair: Dr. Arindam Biswas, IIEST Shibpur	
	Paper ID / **Paper Title**	**Meeting Link for Online Participant**
5:00-6:30	63 — Handwritten English Alphabet Recognition Using Topological Persistence	meet.google.com/cme-ckjh-pys
	127 — A BERT Based Hybrid Recommendation System For Academic Collaboration	
	129 — A Deep Learning Framework for Insect Sound Classification Integrating STFT, Log Mel Spectrogram with CNN	
	153 — Predicting and Identifying Potato Blight Disease through Deep Learning with Fuzzy Approaches	
	61 — Detection Segmentation and Noise Removal Process of Cancerous Image Cell of Liver Through Modified Marker-Controlled Watershed Approach	
	95 — Smart Assessments: Leveraging Generative AI and Prompt Engineering for Sustainable Education	
	146 — Recurrent Dilated U-Net Architecture for Medical Image Segmentation	

Day 2 (21-12-2024)			
Time (in IST)	**Details**		**Meeting Link for Online Participant**
9:00-10:00	**Registration**		
10:00-11:00	**Invited Talk** **Prof. Dipankar Dasgupta, Fellow NAI, IEEE & Distinguished Speaker** **Director, Center for Information Assurance** **William Hill Professor in Computer Science, The University of Memphis** **Title: Pitfalls of Generic Large Language Models (GLLMs) from reliability and security perspectives** **Session Chair: Dr. Indrakshi Ray, Colorado State University, USA**		meet.google.com/cme-ckjh-pys
11:00-11:30	**Tea/Coffee Break**		
11:30-12:30	**Invited Talk** **Dr. Saibal Kumar Pal,** *Scientist 'G' and Head Cryptology Division, DRDO, Scientific Research Group* **Title: Secure Communication for Space Applications** **Session Chair:Dr. B.C.Dhara, Jadavpur University, India**		meet.google.com/cme-ckjh-pys
12:30-1:30	**Technical Session III** **Session Chair: Dr. Shyamalendu Kandar, IIEST Shibpur, India**		
	Paper ID	**Paper Title**	**Meeting Link for Online Participant**
	113	**Region-based Medical Image Encryption using 4D Hyperchaotic System**	
	117	**A Novel (2,3) Secret Sharing Scheme using Fundamental Theorem of Arithmetic and Strictly Binary Tree**	
	140	**Reversible Data Hiding for Image Authentication and Tamper Detection Exploiting LBP and Interpolation**	meet.google.com/cme-ckjh-pys
	139	**LibMultiSig – a Multisignature Transaction Library for Bitcoin**	
	100	**An Efficient Detection System of Harmful Gases in Atmosphere Using Cloud Based IoT**	
1:30-2:30	**Lunch**		
2:30-3:30	**Invited Talk** **Dr. Sanasam Ranbir Singh,** *Indian Institute of Technology, Guwahati, India* **Title:Sentiment Analysis on Social Media Data** **Session Chair: Dr. Santi P. Maity, IIEST Shibpur**		meet.google.com/cme-ckjh-pys
3:30-4:00	**Tea/Coffee Break**		
4:30-6:00	**Technical Session IV** **Session Chair: Dr.Nirnay Ghosh, IIEST Shibpur, India**		
	Paper ID	**Paper Title**	**Meeting Link for Online Participant**
	120	**Object Detection on Complex Architectural Floor Plans with Efficient Attention Mechanisms**	
	147	**Respiratory Rate Estimation for Rehabilitative Applications Using Ensemble Stacking Regression Model**	
	154	**Semantic Information Extraction from Natural Language using a Learning and Rule-based Approach**	
	107	**Gender and Family Relations Identification from Srimad-Bhagavatam**	meet.google.com/cme-ckjh-pys
	149	**Sentence Classification of Tamil Tal-Patra Manuscripts: A Comprehensive Benchmarking with CNN+BLSTM and NLP Techniques**	
	115	**A heuristic with multiple search strategies for the GTSPs in different environments EGIES FOR THE GTSPS IN DIFFERENT ENVIRONMENTS**	
	96	**Automotive Load Balancing with Arduino Integration**	

Day 3 (22-12-2024)		
Time (in IST)	Details	Meeting Link for Online Participant
10:00-11:00	**Invited Talk** **Dr. Sansanee Auephanwiriyakul, Chiang Mai University, Chiangmai, Thailand** **Title:** **Session Chair: Dr. Debasis Giri, MAKAUT, WB**	meet.google.com/cme-ckjh-pys
11:00-11:30	**Tea/Coffee Break**	
11:30-12:30	**Invited Talk** **Dr. B. K. Das,** *Distinguished Scientist & Director General - Electronics & Communication Systems (ECS), DRDO* **Session Chair: Tamaghna Acharya, IIEST Shibpur**	meet.google.com/cme-ckjh-pys
12:30-1:30	**Invited Talk** **Prof. Debdeep Mukhopadhyay,** *Indian Institute of Technology, Kharagpur* **Title: "Every Contact Leaves a Trace": Side Channel and Micro-architectural Attacks on Modern Cryptosystems** **Session Chair: Dr. Arindam Biswas, IIEST Shibpur**	meet.google.com/cme-ckjh-pys
1:30-2:30	**Lunch**	
2:30-3:30	**Technical Session V** **Session Chair: Dr. Saiyed Umer, Aliah University**	

	Paper ID	Paper Title	Meeting Link for Online Participant
2:30-3:30	155	**Pain Sentiment Analysis System Utilizing Deep Learning Frameworks on Multimodal Data for an Effective Healthcare System**	meet.google.com/cme-ckjh-pys
	150	**Multiclass classification of lungs disease based on chest X-ray image using Transfer learning**	
	151	**Automating Generation of Web GUI from a Design Image**	
	141	**Optimization Based Heart Disease Prediction Using Gen AI: CTGAN and Deep Learning Approach**	
	142	**PUBLIC HUMAN ASSAULT PREDICTION USING HUMAN ACTIVITY RECOGNITION WITH ARTIFICIAL INTELLIGENCE**	
	111	**Efficiency of FL, ANFIS, and Classical DC Motor Controllers**	
3:30-4:30	**Validatory session**		meet.google.com/cme-ckjh-pys
4:30-5:00	**HI Tea**		