



# Schedule of Paper Presentations

ICETCI 2023



All given times are according to Indian Standard Time, i.e. UTC + 5:30

## Day - 2: 22<sup>nd</sup> September 2023 (Friday)

### Session 1: General Topics in Computational Intelligence - 1

Venue: 1B

Chairperson: Dr. Deepak Gupta

Time	Paper-id	Paper-title	Author Names
16:30	1570893610	<i>Knowledge Discovery of Thyroid Diseases: Association Rule Mining Approach</i>	Safia Mohamed and Zaher Al Aghbari (University of Sharjah, United Arab Emirates)
16:50	1570901256	<i>NLP Based Topic Modeling for Healthcare: Analyzing Patient Reviews to Improve Quality of Care and Access to Services</i>	B Prabhanjan Yadav (MLRIT & SRU, India)
17:10	1570892836	<i>Proposal of Polarimetric Remote Sensing Systems Based on Quaternion Self-Organizing Map for Classification of Human Motions</i>	Ryogo Saito, Naoshi Sugawara, Ryo Natsuaki and Akira Hirose (The University of Tokyo, Japan)
17:30	1570898888	<i>Identifying Different Operational Regimes of an Electric Arc Furnace Using Machine Learning Based Alternative Clustering Approaches</i>	Arya Kumar Bhattacharya, Venkata Chaitanya Kanakamedala and Allen Chacko Johny (Mahindra University, India); Kumar Chatterjee (MCARTech Inc, USA)
17:50	1570896398	<i>Smart Diagnosis of a Cantilever Beam Using Machine Learning</i>	Rakesh Katam and Prafulla Kalapatapu (Mahindra University, India); Venkata Dilip Kumar Pasupuleti (Mahindra University & Ecole Centrale School of Engineering, India)

## Day - 2: 22<sup>nd</sup> September 2023 (Friday)

### Session 2: Deep Learning and Computer Vision - 1

Venue: 1C

Chairperson: Dr. T. Hitendra Sarma

Time	Paper-id	Paper-title	Author Names
16:30	1570890316	<i>Detecting DeepFakes: A Deep Convolutional Neural Network Approach with Depth Wise Separable Convolutions</i>	Regatte Varshith Reddy, Anish Nethi, Sanatan Sukhija and Yayati Gupta (Mahindra University, India)
16:50	1570898691	<i>Layer-Specific Characteristics of Artificial Representations in the Trained AlexNet Model</i>	Kazuma Ito (Toho University, Japan); Akinori Hidaka (Tokyo Denki University, Japan); Nobuhiko Wagatsuma (Toho University, Japan)
17:10	1570899007	<i>Deep Learning Based Real Time Fall Detection Model</i>	H Aravind Sarma and Jijo Jose (APJ Abdul Kalam Technological University, India)
17:30	1570893562	<i>Analysis of Neural Networks Based OTFS Wireless System</i>	Sneha Chennamsetty (Mahindra University, India & Hyderabad, India); Subbarao Boddu (Mahindra University, India)
17:50	1570899138	<i>Blockchain Technology Provides Machine Learning, Cloud Computing and Secure Data Transmission</i>	Dinesh Krishnan S (B V Raju Institute of Technology, India)
18:10	1570899201	<i>BMI Prediction for Full Body Images Using PoseNet Embeddings</i>	Anish Nethi, Sanatan Sukhija and Yayati Gupta (Mahindra University, India)

## Day - 2: 22<sup>nd</sup> September 2023 (Friday)

### Session 3: General Topics in Computational Intelligence - 2

Venue: 1A

Chairperson: Dr. Dilip Sisodia

Time	Paper-id	Paper-title	Author Names
16:30	1570893804	<i>Recent Progress in Neural Network Signal Processing in Earth-Observation Remote Sensing and Ground Penetrating Radars</i>	Akira Hirose (The University of Tokyo, Japan)
16:50	1570895983	<i>Spectral Efficiency Improvement with Filtered OFDM for IoT Applications in 5G/6G</i>	Shatrughna Prasad Yadav (Guru Nanak Institute of Technology Hyderabad & Senior Member, India)
17:10	1570898376	<i>Suspicious Activity Detection Based on Head Movement</i>	Alekhya Lakshmi Mannem (Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology, India); Gollapudi Ramesh Chandra (VNR Vignanan Jyothi Institute of Engineering and Technology, India)
17:30	1570898544	<i>Mechanism for Enhancement of Functionality in Deep Echo State Network by Optimizing Leaking Rate</i>	Inoue Shuichi and Sou Nobukawa (Chiba Institute of Technology, Japan); Haruhiko Nishimura (University of Hyogo, Japan); Eiji Watanabe (National Institute for Basic Biology, Japan); Tejiro Isokawa (Graduate School of Engineering, University of Hyogo, Japan)
17:50	1570898914	<i>Trends in Automating Machine Learning Pipeline</i>	Chand Kumar Adhaduk, Bhavana Chowdary J, Deepa S and Maneesh Sriram (PES University, India); Natarajan S (PES University)

## Day - 2: 22<sup>nd</sup> September 2023 (Friday)

### Session 4: Deep Learning and Natural Language Processing

Venue: 2B

Chairperson: Dr. Tilottama Goswami

Time	Paper-id	Paper-title	Author Names
16:30	1570890988	<i>DUDetector: Detecting Depressed Users in Twitter Using Deep Learning</i>	Aghyad AL Sayadi and Zaher Al Aghbari (University of Sharjah, United Arab Emirates)
16:50	1570898820	<i>A Comparative Study of Intent Classification Performance in Truncated Consumer Communication Using GPT-Neo and GPT-2</i>	Chanda Amit Hirway (Technological University of the Shannon & The NPD Group, L. P., Ireland); Enda Fallon (Athlone Institute of Technology, Ireland); Paul Connolly (The NPD Group, Inc, Ireland); Kieran Flanagan (The NPD Group, L. P., Ireland)
17:10	1570899105	<i>A Performance Optimization Analysis for Transformer Models on Text Classification Tasks</i>	Kshitij Salil Malvankar (Technological University of Shannon: Midlands and Midwest & The NPD Group, Ireland); Enda Fallon (Athlone Institute of Technology, Ireland); Kieran Flanagan (The NPD Group, L. P., Ireland); Paul Connolly (The NPD Group, Inc, Ireland)
17:30	1570903332	<i>Semantic Search for Sustainable Platforms Using Transformers</i>	Santosh Shirol, Akshay Kulkarni and Rashmi Agarwal (REVA University, India)
17:50	1570898970	<i>A Procedure of Weight Thresholding on Complex Networks</i>	Jisha Mariyam John (Indian Institute of Information Technology Kottayam, India)

## Day - 2: 22<sup>nd</sup> September 2023 (Friday)

### Session 5: General Topics in Computational Intelligence - 3

Venue: 2C

Chairperson: Dr. Kavitha Athota

Time	Paper-id	Paper-title	Author Names
16:30	1570895421	<i>Programming Assignment Grading Through Control Statement and Program Features</i>	Srujana Inturi (CBIT, India)
16:50	1570895809	<i>From Game AI to Metaverse AI: Realistic Simulation Training as a New Development Direction for Game Artificial Intelligence</i>	Tianhan Gao (Northeastern University of China, China); Jiahao Li and Qingwei Mi (Northeastern University, China)
17:10	1570904999	<i>Fall Prediction Using Mediapipe Framework</i>	Venkata Sai Chaitanya Kolliboyina (JNTUH & Vidya Jyothi Institute of Technology, India); Nazeer Mohd, Kamal Kumar Tiruveedula and Manikanta Gujja (JNTUH, India)
17:30	1570903394	<i>IoT-Enabled Smart Benzene Gas Detection System in Petrol Pumps for Smart City Applications</i>	Roopa Manjunatha and Sandhra C (Energy Institute Bengaluru, India)
17:50	1570903929	<i>Support Vector Machines: Spherical Separability: Limitations of Learning</i>	Tata Jagannadha Swamy (Gokaraju Rangaraju Institute of Engineering and Technology Hyderabad, India); Garimella Ramamurthy (Mahindra University, India)

## Day - 3: 23<sup>rd</sup> September 2023 (Saturday)

### Session 6: General Topics in Computational Intelligence - 4

Venue: 1B

Chairperson: Dr. Vijender Solanki

Time	Paper-id	Paper-title	Author Names
15:30	1570893650	<i>Revisiting Basic Concepts of Dominance Relationship in Non-Dominated Sorting</i>	Ved Prakash and Sumit Mishra (Indian Institute of Information Technology Guwahati, India)
15:50	1570897265	<i>Design of Slotted Triangular Microstrip Patch Antenna with Different Feeding Techniques</i>	Jakkuluri Vijaya Kumar (Sathyabama Institute of Science and Technology, India); S. Maflin Shaby (Sathyabama University, India)
16:10	1570897342	<i>An Experimental Investigation of Rail Structure Interaction Under Peak Loads Using Instrumentation</i>	Sairam Neridu (Mahindra University, India); Venkata Dilip Kumar Pasupuleti (Mahindra University & Ecole Centrale School of Engineering, India); Prafulla Kalapatapu (Mahindra University, India)
16:30	1570898548	<i>An Empirical Study of On-Policy and Off-Policy Actor-Critic Algorithms in the Context of Exploration-Exploitation Dilemma</i>	Supriya S (Manipal Institute of Technology Bengaluru, India); Prema Kv (Manipal Institute of Technology Bengaluru)
16:50	1570905068	<i>Modified Grey Wolf Optimization Algorithm Using Evolutionary Factor for Global Optimization</i>	Harshit Batra and Meenal Beniwal (Netaji Subhas University of Technology, India); Vijay Kumar Bohat (Netaji Subhas University of Technology Delhi, India)

## Day - 3: 23<sup>rd</sup> September 2023 (Saturday)

### Session 7: Deep Learning and Computer Vision - 2

Venue: 1C

Chairperson: Dr. Bhargava Rajaram

Time	Paper-id	Paper-title	Author Names
15:30	1570899217	<i>Modified Deep Residual Network for Semantic Segmentation</i>	Ankit Deb, Aryan Aryan, Shuvrajeet Das, Suman Deb and Rapti Chaudhuri (National Institute of Technology Agartala, India)
15:50	1570903893	<i>CAPTCHA Recognition and Analysis Using Custom Based CNN Model - Capsecure</i>	Soumen Sinha and Mohammed Imaz Surve (Mahindra University, India)
16:10	1570904039	<i>Gestational Diabetes Mellitus Detection System - an Advanced Preventive Measure Using DNN</i>	Faizal Hajamohideen (University of Technology and Applied Sciences, Suhar, Oman); Karthikeyan Subramanian (College of Applied Sciences, Oman)
16:30	1570904372	<i>Smart Food Analyser: Deterrence of Selling Rotten Food Etymology by Image Processing and Deep Neural Network</i>	Faizal Hajamohideen (University of Technology and Applied Sciences, Suhar, Oman)
16:50	1570904882	<i>Inter-Vehicle Distance Estimation by Servo-Mounted Monocular Camera Using Target Vehicle Yaw, Pitch Angles and Road Gradient</i>	Jatin Waman Rane (COEP Technological University, India)
17:10	1570905124	<i>An Improved Hybrid Model for Target Detection</i>	Richa Golash (Bennett University)



## Day - 3: 23<sup>rd</sup> September 2023 (Saturday)

### Session 8: Computational Sequence Modelling

Venue: 1A

Chairperson: Dr. Atul Negi

Time	Paper-id	Paper-title	Author Names
15:30	1570899647	<i>Identification of Novel Drug Combination in Glioblastoma Multiforme Therapeutics Through Drug Repurposing</i>	Smita Kumari and Pravir Kumar (Delhi Technological University, India)
15:50	1570898613	<i>Multiscale Autoencoder-RNN Architecture for Mitigating Error Accumulation in Long-Term Forecasting</i>	Junaid Farooq and Mohammad Abid Bazaz (National Institute of Technology Srinagar, India); Danish Rafiq (Islamic University of Science and Technology Awantipora, India)
16:10	1570903922	<i>Analysis of Wireless Sensor Network Security Models: A Salient Approach for Deeper Inspection Using Deep Neural Networks</i>	Arwa Juma Al Busaidi (University of Technology and Applied Sciences, Oman); Faizal Hajamohideen (University of Technology and Applied Sciences, Suhar, Oman)
16:30	1570904363	<i>BlockChain Techniques Used for Identity Management System: Privacy and Access Control</i>	Faizal Hajamohideen (University of Technology and Applied Sciences, Suhar, Oman); Asma Al Badi and Dhiya AlSaqri (University of Technology and Applied Sciences, Oman)
16:50	1570905066	<i>Energy and Fuel Consumption Analysis of a Fuel Cell Hybrid Vehicle Under Different Driving Cycles</i>	Sai Sandeep Abburu, Venkatesh Trivedi, Aditya Rangi, Ashutosh Singh Negi and Bedatri Moulik (Amity University Uttar Pradesh, India); Bibaswan Bose (Indian Institute of Technology Delhi, India)
17:10	1570898889	<i>Multi-Horizon Forecasting of Average Daily PM2.5 Concentration: A Case Study of Air Pollution in Singapore</i>	Anjali Tripathi and Manoj Hari (National Institute of Technology Rourkela, India); Vinay Anand Tikkiwal (JIIT, Noida & ECE, India); Bhishma Tyagi (National Institute of Technology Rourkela, India); Arun Kumar (NIT Rourkela, India)

## Day - 3: 23<sup>rd</sup> September 2023 (Saturday)

### Session 9: Applications in Industry and Society

Venue:2B

Chairperson: Dr. Garimella Ramamurthy

Time	Paper-id	Paper-title	Author Names
15:30	1570897317	<i>Direct Adaptive Control of Nonaffine Magnetic Levitation System Using Radial Basis Function Neural Network</i>	Jyothis Sebastian (National Institute of Technology, Calicut, India); Shihabudheen KV (NIT Calicut, India)
15:50	1570899032	<i>Adaptive Neural Dynamic Surface Control for Course Tracking of Ships with Full State Constraints</i>	Albin Joy (National Institute of Technology Calicut, India); Shihabudheen KV (NIT Calicut, India)
16:10	1570893648	<i>A GIS-Based Framework Applied to Assess Vulnerability and Impact Heatwave Scenarios in Urban Systems</i>	Vittorio Miraglia, Ferdinando Di Martino, Valeria D Ambrosio and Barbara Cardone (Università degli Studi di Napoli Federico II, Italy)
16:30	1570893075	<i>MLGAN: Addressing Imbalance in Multilabel Learning Using Generative Adversarial Networks</i>	Aatif Nisar Dar and Reshma Khemchandani (South Asian University, India)
16:50	1570897522	<i>Sentiment Analysis and Its Application in Analyzing Consumer Behavior</i>	Chandra Prakash Gupta (Symbiosis Institute of Business Management Pune & Symbiosis International Deemed University Pune Maharashtra, India); Ravi Kumar V v (Symbiosis Institute of Business Management, Pune, India & Symbiosis International, Deemed University, Pune, India)
17:10	1570905000	<i>Design and Fabrication of Interdigitated Electrode Based Biosensor for the Detection of Leukemia</i>	Jayu Pankaj Kalambe (Shri Ramdeobaba College of Engineering and Management, Nagpur, India)

## Day - 3: 23<sup>rd</sup> September 2023 (Saturday)

### Session 10: General Topics in Computational Intelligence - 5

Venue: 2C

Chairperson: Dr. Arya K Bhattacharya

Time	Paper-id	Paper-title	Author Names
15:30	1570903162	<i>Exploring Intermittent Dynamics of Neural Activity in a Single-Pair System of Excitatory and Inhibitory Neurons</i>	Akio Sugawara and Sou Nobukawa (Chiba Institute of Technology, Japan); Nobuhiko Wagatsuma (Toho University, Japan); Keiichiro Inagaki (Chubu University, Japan)
15:50	1570901940	<i>Constructing Extreme Learning Machines with Zero Spectral Bias</i>	Kaumudi Joshi, Vukka Snigdha and Arya Kumar Bhattacharya (Mahindra University, India)
16:10	1570904806	<i>Harmonic Stability Analysis of a Microgrid Power System Using Different Controllers</i>	Loknath Seth (Veer Surendra Sai University of Technology, India); Raseswari Pradhan (Veer Surendra Sai University of Technology & Burla, India); Harish Kumar Sahoo (Veer Surendra Sai University of Technology, India)
16:30	1570904883	<i>Gesture-Powered Computer Interaction System</i>	Shri Akshita G, Priya Dharshini Allapuram, Bala Krishna Chinna Chinannagari and Nazeer Mohd (JNTUH, India)
16:50	1570904970	<i>An Empirical Study on Missing Data Imputation Techniques for Transient Stability Assessment Using Four Sample Frequency Features Data Set</i>	Sreenadh Batchu, Shivani Janapati, Himaja Reddy and Nagireddy Monish (NIT Andhra Pradesh, India); Y Raghuvamsi and Kiran Teeparthi (National Institute of Technology Andhra Pradesh, India)

**End of Paper Presentation Schedule**