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UTTAR PRADESH



Springer

AMITY SCHOOL OF
ENGINEERING & TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY

PRESENTS

IncITE-2026

26th -27th February 2026

5th INTERNATIONAL CONFERENCE ON
INFORMATION TECHNOLOGY

THEME

AGENTIC INTELLIGENCE: EMPOWER YOUR WORLD

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PROGRAMME SCHEDULE

DAY 1: THURSDAY, FEBRUARY 26, 2026

09:15 AM - 9:45 AM (F3 MDP Room)

KEYNOTE TALK : REVISITING DYNAMIC PROGRAMMING FOR MUSIC SCORE ALIGNMENT AND COMPUTER ACCOMPANIMENT

Prof. (Dr.) Roger B. Dannenberg, Professor Emeritus of Computer Science, Art & Music, Carnegie Mellon University, USA

10:00 AM - 12:00 PM (I2 - Moot Court)

INAUGURAL SESSION

12:00 PM - 12:15 PM

HIGH TEA

12:15 PM- 01:30 PM (F3 Seminar Hall)

SHE SPEAKS POWER : WOMEN LEADING THE DIGITAL REVOLUTION

- **Dr. (Smt.) N. Ranjana**, Scientist 'H' and Director, Directorate of Futuristic Technology Management, DRDO
- **Prof. (Dr.) Arvinder Kaur**, Dean, University School of Automation & Robotics & University School of Design & Innovation, Guru Gobind Singh Indraprastha University, Delhi
- **Dr. Shalini Pathak**, Sr. Principal Engineer, ST Microelectronics
- **Ms. Astha Jagia**, Vice President – Retail Banking, Genpact
- **Ms. Priyanka Aeron**, Founder & CEO, Thrive Global AI

12:15 PM- 01:30 PM (F1 MDP Hall)

PAPER PRESENTATION TRACK 1: AGENTIC INTELLIGENCE FOR DECISION MAKING

- **Session Chair:** Dr. Vishal Bhatnagar, NSUT, East Campus, Delhi
- **Session Co-Chair:** Prof. (Dr.) Ashish Mani, Amity University Uttar Pradesh, Noida

ID 124 Customer Purchase Behaviour Prediction For E-Commerce Platforms
Emerson S P, Shagthi Sarwesh G, Nitin Kumar T R, Subbulakshmi B, Thiagarajar
College of Engineering, Anna University, Chennai

ID 125 ML and RL Techniques for RF Energy Harvesting in Green-IoT
Angkurita Roy, Tezpur University, Tezpur, Assam

ID 197 BRKGA for the Longest Run Subsequence Problem
Christian Blum, Pedro Pinacho-Davidson, Artificial Intelligence Research Institute (IIIA-CSIC) in Bellaterra, Spain

ID 200 Scalable Machine Learning Framework for Large-Scale Network Anomaly Detection Using Hybrid Unsupervised and Supervised Models
Lalita Kumari, Amity University, Patna

- ID 212** **Exploration of Machine Learning Techniques for Hyperspectral image classification**
Abhishek Kumar Gupta, Pramod Soni, Pankaj Agarwal, K.R.Mangalam University, Gurugram, Haryana
- ID 376** **Conversational puzzle solving npc using Agentic Game AI: Integrating Qwen-VL, LLaMA 3, and RAG for Autonomous NPC Behavior in Unity**
Vinay Kumar, Amity University Uttar Pradesh, Noida, Uttar Pradesh
- ID 453** **AI-Driven Road Accident Detection and GPS-Enabled Emergency Alert System Using EfficientNet**
Santosh Kumar, Saksham Maheshwari, Sanskar Vaibhav, Galgotias University, Greater Noida, Uttar Pradesh
- ID 476** **Comparative Analysis of Classical Machine Learning and Transformer Models for Gestational Diabetes Mellitus Prediction**
Shweta, Madhushi Verma, Gitika Sharma, Bennett University, Greater Noida, Uttar Pradesh
- ID 487** **Integrating SRGM and Evolutionary Algorithms for Reliability Estimation and Cost Optimization**
Bhawna Kaushik, Noida International University, Greater Noida, Uttar Pradesh
- ID 313** **Deep Learning-Based Next-Generation Clinical Emotion Recognition Using EEG Signals for Parkinson's Disease Patients**
P Rajasekar, P Santhiya, Kambhampati Sowmya Sri, Katakamsetti Akash Sathyabama Institute of Science and Technology, Chennai, Tamilnadu

01:30 PM - 02:00 PM
LUNCH BREAK

02:00 PM - 02:30 PM (F3 Seminar Hall)

KEYNOTE TALK : LARGE LANGUAGE MODELS AS ASSISTANTS IN OPTIMIZATION

Prof. (Dr.) Christian Blum, Professor & Senior Research Scientist, Artificial Intelligence Research Institute, Spanish National Research Council, Spain

02:00 PM - 02:30 PM (F3 MDP)

KEYNOTE TALK : TOMORROW'S AI FUNKY FIVE: ATTENTION, ENGAGEMENT, FEEDBACK, SLEEP— JUST ADD EMOTION

Prof. (Dr.) Bjorn Schuller, Professor, Imperial College London, UK

02:00 PM - 03:30 PM (F1 MDP Hall)

PAPER PRESENTATION TRACK 2: GENERATIVE AI SYSTEMS FOR AUTONOMOUS WORKFLOWS

- **Session Chair** : Dr. Anjali Sharma, Sr. Principal Scientist & Coordinator Digital Metrology, CSIR-NPL, Delhi
- **Session Co-Chair**: Prof. (Dr.) Renuka Nagpal, Amity University Uttar Pradesh, Noida

- ID 245** **A Real-Time Visual Assistant for the Visually Impaired Using Multimodal Large Language Models (LLMs)**
Monu, Nakul Bana, Nitin Sharma, Mohammad Ishaan, Mohd Haque, Ashish Mourya, ABES Institute of Technology, Ghaziabad, Uttar Pradesh, Uttar Pradesh
- ID 283** **Improving Workflow Autonomy through Explainable Prompt Engineering in Large Language Models**
Bhupesh Rawat, Himanshu Pant, Anshu Latiyan, RamChandra Sachan, Graphic Era Hill University, Bhimtal, Uttarakhand
- ID 335** **Explainable Deepfake Detection: A Study on Interpretable Machine Learning Models**
Bhupesh Rawat, Himanshu Pant, Anshu Latiyan, Ramchandra Sachan, Graphic Era (Deemed to be University), Dehradun, Uttarakhand
- ID 373** **LF-BiGRU: A Lightweight Hybrid Intrusion Detection System for Securing Agro-IoT Ecosystems**
Parkavi S, Ramkumar M P, Emil Selvan G S R, Thiagarajar College of Engineering, Madurai, Tamil Nadu
- ID 387** **AutoDA: An Agentic Multi-Agent Framework for Explainable Data Analytics**
Rishabh Upadhyay, Pintu Kumar Ram, Amity University Uttar Pradesh, Noida, Uttar Pradesh
- ID 424** **Enhancing Resume Classification with Data Augmentation**
Aditya Bajaj, Azath M., Aditya Pratap, Galgotias University, Greater Noida, Uttar Pradesh
- ID 433** **AI-Enhanced Context-Free Grammar Model for HTTP Request Parsing and Validation**
Kaliappan A, Shalini S, Dharshini M, SRM Institute of Science and Technology, Tiruchirappalli
- ID 468** **Siamese Neural Network-Based Framework for Detecting and Classifying Zero-Day Botnet Traffic**
Hardarshan Kaur, Parminder Singh, Lovely Professional University, Jalandhar, Punjab
- ID 495** **Conversational AI-based System for Automated Billing and Business Operations**
Yashashwi Kumar Jain, Keshav Singh, Bhanu, Sobia Habib, Seema Rawat, Amity University Uttar Pradesh, Noida, Uttar Pradesh
- ID 501** **Performance, Adaptability and Control: An Empirical Evaluation of Generative AI in Autonomous BPM Systems**
Bhairab Patra, Neha Kumari, Shweta, Indian Institute of Management, Sambalpur, Orissa

02:30 PM - 03:00 PM (F3 Seminar Hall)

INVITED TALK : NURTURING THE RESPONSIBLE USE OF GEN AI BY INFORMATION TECHNOLOGY STUDENTS

Prof. (Dr.) Marita Turpin, Professor, University of Pretoria, South Africa

02:30 PM - 03:00 PM (F3 MDP Hall)

KEYNOTE TALK: FROM PRINCIPLES TO PRACTICE: GOVERNING AI IN A RAPIDLY EVOLVING WORLD

Prof. (Dr.) Keeley A Crockett, Manchester Metropolitan University, UK

03:00 PM - 03:30 PM (F3 MDP Hall)

INVITED TALK: CHALLENGES AND FUTURE DIRECTIONS OF KNOWLEDGE GRAPHS AND ONTOLOGIES ADOPTING LARGE LANGUAGE MODEL

Dr. Takaaki GOTO, Toyo University, Japan

03:00 PM - 04:30 PM (F3 Seminar Hall)

INDUSTRY LEADERSHIP FORUM

03:30 PM - 05:00 PM (F2 104)

PAPER PRESENTATION TRACK 3: SYSTEM DESIGN & MODELING

- **Session Chair:** Dr. Pradeep Tomar, Gautam Buddha University, Greater Noida
- **Session Co-Chair:** Prof. (Dr.) S. K. Sinha, Amity University Uttar Pradesh, Noida

ID 91 Enhancing Cloud Latency with a Neural Network-based Throttled Load Balancing Algorithm

Prathamesh Lahande, Sejal Kumbhar, Harshal Kharat, Yashodip Jadhav, DES Pune University, Pune

ID 119 Leveraging Artificial Intelligence and Digital Twin for Personalized Prediction of Hypertension: A Systematic Review

Ekta Maini, Dhairya Marwaha, Baljeet Maini, Dheeraj Marwaha, Amity University Uttar Pradesh, Noida, Uttar Pradesh

ID 154 Analysing the Impact of AI-Driven Educational Systems in Higher Education: A Structural Equation Modelling (SEM) Study

Monika Gadre, Sayee Kulkarni, Veena Datar, DES Pune University, Pune, Maharashtra

ID 183 A Bee-Inspired Hybrid Soft Computing Model for Reliable RS Detection Using Multi-type Naive Bayes

Irtiqia Amin, Lovely Professional University, Phagwara, Punjab

ID 221 Design and Implementation of a Multi-Parameter Smart Footwear System for Early Detection of Neuro-Ischemic Foot Complications

E. Agalya, Mohamed Firoz, Jaya Rubi, A. Josephin Arockia Dhivya, Vels Institute of Science, Technology & Advanced Studies, Chennai, Tamil Nadu

ID 286 Pedagogical Impact of Digital Twin Technology in Higher Education Institutions

Ahmed Nawaz Hakro, Masood Ahmad Mahammad, B. Nireesha, Shaik Mazhar Hussain, Shaik Noor Mohammad, Malla Reddy (MR) Deemed to be University, Hyderabad, Telangana


- ID 304 Hybrid CNN-SE Model for Multi-Class Pest Detection in Agriculture**
Vineet Kumar, Palvi Soni, Rishi Srikuramam, Kartik Gill, Marimesi Vamsi, Vaibhav Kumar Singh, Lovely Professional University, Phagwara, Punjab
- ID 423 Lightweight Authentication and Trust Management for IoT-Edge Healthcare Using PUFs and Blockchain**
Santosh Kulkarni, Bhagyashri Pandurangi, KLS Gogte Institute of Technology, Belgaum, Karnataka
- ID 455 Performance Study of an Aircraft Wing Using Dimples**
Ketkiprasad C Chavanda, Jagadale Virendra V, Aditya Pratap Singh, Saranya S, A Nithya Arumugam, Parul University, Vadodara, Gujarat
- ID 498 Numerical Investigation of a Horizontal-Axis Wind Turbine Blade with Dual Injection Flow Control**
Singh Anup Tejnarayan, K. Balaji, Singh Nishikant, Yash Chauhan, Parul University, Vadodara, Gujarat

03:30 PM - 05:00 PM (F1 MDP Hall)

PAPER PRESENTATION TRACK 4: INTELLIGENT NETWORKS AND SECURITY

- **Session Chair:** Prof. (Dr.) Sanjay Sharma, Gautam Buddha University, Greater Noida
- **Session Co-Chair :** Prof. (Dr.) Sindhu Hak, Amity University Uttar Pradesh, Noida

- ID 133 An Intelligent Web Application Firewall Framework with Phishing Detection (IWAF-PD): Enhancing Security with Phishing Detection**
Alpa Patel, Sindhu S, Dayananda Sagar University, Bangalore, Karnataka
- ID 138 Hybrid Intelligence: A Stacked Ensemble Model for Robust Ransomware Detection**
Pooja Bagane, Aaditya Ahire, Dimple Mehta, Aditi Kandri, Symbiosis Institute of Technology, Pune
- ID 143 An Adaptive and Format-Independent Video Steganography Framework Using Dynamic LSB Embedding and Multi-Stage Compression**
Sumana SG, Rajesh TM, Shaila SG, Megha Chandel, Dayananda Sagar University, Bangalore, Karnataka
- ID 192 A Hybrid DWT–DCT-Based Robust Video Watermarking Scheme for Secure Multimedia Applications**
Riddhi Goel, Preeti Garg, Vineet Sharma, KIET, Ghaziabad, Uttar Pradesh
- ID 204 Perceptual Hashing With SE-ResNet and Swin Transformer for Fingerprint Similarity Detection**
Snigdha Sikha Kashyap, Prabhakar Sharma Neog, Dayananda Sagar University, Bangalore, Karnataka
- ID 375 A Review on Use of Machine Learning and Deep Learning Techniques for Phishing Attacks**
Yatharth Mishra, Purushottam Sharma, Galgotias University, Greater Noida, Uttar Pradesh
- ID 400 Integrative Methodology for Agentic AI Development: Component-Based Conceptual Design, Network-Oriented Detailed Design, and Risk Assessment via Probabilistic What-If Analysis for Human-AI Decision Making**
Wissal Mestour, Jan Treur, Peter H.M.P. Roelofsma, Sophie C.F. Hendrikse, The Hague University of Applied Sciences, Centre of Expertise Cybersecurity, Risk Management and Cybersecurity Group, Netherland

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- ID 443** **ADAPT-Lab: Adaptive Jammer Testing Using Meta-Materials**
Riya Jain, Ashish Mani, Amity University Uttar Pradesh, Noida, Uttar Pradesh
- ID 470** **An Investigation into the Impact of Artificial Intelligence on Workplace Creativity**
Kgalalelo Molefe, Marita Turpin, Nitasha Hasteer, University of Pretoria, South Africa
- ID 475** **Intelligent Hybrid Encryption with Role and Policy-Based Access Control for Multi-Tenant Cloud Storage System**
Priyam Srivastava, Sanjay Dubey, Amity University Uttar Pradesh, Noida, Uttar Pradesh
- ID 504** **Privacy-Preserving Patient Authentication using Self-Sovereign Identity in Healthcare**
Monica Chawla, Netra Pal Singh, Rajeev Ratan Arora, MVN University, Palwal, Haryana

04:00 PM - 05:00 PM (E2 Lounge)

MoA SIGNING CEREMONY

05:00 PM - 05:15 PM

HIGH TEA

DAY 2: FRIDAY, FEBRUARY 27, 2026

09:15 AM - 09:45 AM (F3 MDP)

KEYNOTE TALK: ENHANCING INTRUSION DETECTION WITH CNN AND CTGAN SYNTHETIC OVERSAMPLING

Prof. (Dr.) Avdesh Mishra, Texas A&M University, Kingsville, USA

09:30 AM - 11:00 AM (F1 MDP Hall)

PAPER PRESENTATION TRACK 5A: COMPUTATIONAL INTELLIGENCE AND MACHINE LEARNING

- **Session Chair:** Dr. Mukesh Maan, IIIT, Sonapat
- **Session Co-Chair:** Prof. (Dr.) P. M. Tiwari, Amity University Uttar Pradesh, Noida

ID 140 **A Hybrid Ensemble of ELM, MLELM, and IELM with PCA Features for Citrus Leaf Disease Diagnosis**
Navpreet, Arpit Kumar Roul, Rajendra Kumar Roul, Thapar Institute of Engineering & Technology, Patiala, Punjab

ID 150 **Establishing State-of-the-Art Baselines for Low-Resource Awadhi Poetry POS Tagging using Multi-Paradigm Evaluation**
Hema Gaikwad, Jatinder Kumar, R. Saini, Symbiosis Institute of computer Studies & Research, Symbiosis International (Deemed University), Pune

ID 169 **AutoBias Auditor: An Automated Pipeline for Bias Detection, Mitigation, and Fairness-Preserving Modeling in Healthcare Data**
Matheswar Arun Prasath, Karthigeyan Rajathurai, Karpaga Ganesh, Thiagarajar College of Engineering, Madurai, Tamil Nadu

ID 291 **Subject-Aware Deep Learning for Anxiety-Like Emotion Recognition from EEG**
Soni Bedain, Dharmender Kumar, Sakshi Dhingra, Guru Jambheshwar University of Science & Technology, Hisar, Haryana

ID 329 **Hybrid 3D CNN and ResNet Deep Transfer Learning for High-Resolution Hippocampal Atrophy Mapping and Automated Alzheimer's MRI Diagnosis**
Garima Shukla, Pranay Bhoi, A. Saranya, Dipak Raskar, Saranya P., Rajiv Iyer, Amity University, Mumbai, Maharashtra

ID 353 **A Hybrid CNN–LSTM Based Approach for Speech Emotion Recognition Using Mel Spectrograms**
Aditya Bhatnagar, Rakesh Kumar, Bhoopesh Singh Bhati, Naveen Dahiya, NSUT, New Delhi

ID 358 **A Hybrid CNN–Wavelet Deep Learning Approach for Histopathological Breast Cancer Classification**
Satheeskumaran S, Anurag University, Hyderabad

ID 377 **Interpretable Unified Deep Neural Architecture for Tri-Modal Lung Disease Diagnosis from Medical Imaging and Respiratory Audio**
Mohini Chaudhari, Shankar Mali, Sachin Bhoite, Dr. Vishwanath Karad MIT World Peace University, Pune, Maharashtra

ID 457 **Beyond Accuracy: An Explainability-Driven & Reliability-Aware Framework for Emotion Classification Using DistilBERT**
Manpreet Kour, Naman Jain, Delhi Technological University, New Delhi

09:30 AM - 11:00 AM (F2 104)

PAPER PRESENTATION TRACK 5B: COMPUTATIONAL INTELLIGENCE AND MACHINE LEARNING

- **Session Chair:** Dr. Jitendra Samriya, IIIT Sonapat
- **Session Co-Chair:** Prof. (Dr.) Sujata Pandey, Amity University Uttar Pradesh, Noida

ID 111 **Dual-Layer LSTM Fusion of Raw ECG and HRV Features for Robust Valence and Arousal Emotion Recognition**
Monish L, Shaila SG, Megha Chandel, Nithin Prajwal,
Dayananda Sagar University, Bangalore, Karnataka

ID 249 **Mushroom Disease Detection Using Deep Learning: A Systematic Review of Models, Challenges, and Future Directions**
Shivansh Mishra, Utkarsh Singh, Sumit Singh, Manpreet Singh, Lovely Professional University, Jalandhar, Punjab

ID 253 **An Efficient Edge-Based Multimodal System for Explainable Real-Time Stress Assessment**
Suyash Priyadarshi, Ravneet Kaur, Rajendra Kumar Roul, Shalini Batra,
Thapar Institute of Engineering & Technology, Patiala, Punjab

ID 255 **Pediatric Wrist Fracture Analysis on X-rays Using Deep Learning and XAI: Trends, Challenges and Future Directions**
Kavya Nair, Jagdeep Kaur,
Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab

ID 364 **Comparative Evaluation of Ensemble Learning Models for Predicting Depression, Anxiety, and Stress Severity Levels**
Mahak Singh, Saru Dhir, Amity University Uttar Pradesh, Noida

ID 418 **Detection and Segmentation of Small Objects in Thermal and Infrared Images using Yolov11**
Ravina Gupta, Sarika Jain, Deepika Pahuja,
Amity University Uttar Pradesh, Noida, Uttar Pradesh

ID 451 **A Comprehensive Study of Heart Disease Prediction Using Machine Learning Methods**
Arshdeep Singh, Dr.Sumit Chopra, Simran, Navjot Kaur Basra, Viramjit Parmar,
GNA University, Phagwara, Punjab

ID 456 **Domain-Driven Feature Engineering and Stacking for Water Quality Classification**
Ammar Maheshwarwala, Hardik Deshpande, Jyoti Pipariya, Anagha Chougankar,
Acropolis Institute of Technology and Research, Indore, Madhya Pradesh

09:45 AM - 10:15 AM (F3 MDP)

KEYNOTE TALK: GENAI GOVERNANCE FRAMEWORK: CHALLENGES & MITIGATION

Prof. (Dr.) Ashish Seth, Inha University Tashkent, Uzbekistan

10:15 AM - 10:45 AM (F3 Seminar Hall)

INVITED TALK: COLLISION-FREE AUTONOMOUS DRIVING WITH NONLINEAR MODEL PREDICTIVE CONTROL

Dr. Pantelis Sopasakis, Queen's University Belfast, UK

10:15 AM - 10:45 AM (F3 MDP Hall)

INVITED TALK: AI FOR SCIENCE AND ENGINEERING: LEVERAGING GNNS, LLMS, XAI, NANOCOMBINATORICS, AND MORE

Prof. (Dr.) Ankit Agrawal, Research Professor, Department of Electrical & Computer Engineering, Northwestern University, USA

10:45 AM - 11:15 AM (F3 Seminar Hall)

KEYNOTE TALK: AI ENABLED PREDICTIVE MODELLING: FROM SOFT SENSING TO HUMAN ROBOT COLLABORATION

Prof. (Dr.) Sean Mcloone, Director, Centre for intelligent and Autonomous Manufacturing Systems, Queen's University, Belfast, UK

10:45 AM - 11:15 AM (F3 MDP Hall)

INVITED TALK: PROJECTS WITHIN THE AI BUSINESS REGIME

Prof. (Dr.) Keith Sherringham, PMO Specialist, New South Wales, Australia

11:00 AM - 12:30 PM (F1 MDP Hall)

PAPER PRESENTATION TRACK 6: ARTIFICIAL INTELLIGENCE FOR SCIENCE, ARTS & BUSINESS

- **Session Chair:** Prof. (Dr.) P K Kapoor, Amity University Uttar Pradesh, Noida
- **Session Co-Chair:** Prof. (Dr.) Saru Dhir, Amity University Uttar Pradesh, Noida

ID 61 **Predicting Depression Risk Among College Students Using a Composite Wellness Index**
SME Innovation Capabilities and Regional Strategy Analysis

Avinash, Shivangi Tawar, Vandana Madaan, Alok Kumar Agrawal, Uttam Kumar Giri,
Merry Saxena Chitkara University Institute of Engineering & Technology,
Chitkara University, Punjab

ID 146 **SME Innovation Capabilities: Driving Regionalized Strategies Across South Africa's Provinces**

Hanlie Smuts, Lizette Weilbach, University of Pretoria, South Africa

- ID 217 A Machine Learning Framework for Soil Health Analysis and Crop Management in Indian Agriculture**
Pancham Singh, Vikas Yadav, Anil Kumar, Shraddha Mishra, Jitendra Yadav, Ajay Kumar Garg Engineering College, Ghaziabad, Uttar Pradesh
- ID 226 AI-Assisted Postural Assessment and Musculoskeletal Pain Analysis among Working Women Using Different Bag Types**
Pragya Kumar, Sanpreet Kaur, Jasmine Kaur Chawla, Amity University Uttar Pradesh, Noida, Uttar Pradesh
- ID 305 Study of perceptions and perspectives of young adult students on algorithmic recommendations flashed on social media Apps**
Sachin Bhoite, Jayashree Borkar, Basant Tiwari, Dr. Vishwanath Karad MIT World Peace University, Pune, Maharashtra
- ID 445 SOSTA AI Box: Multi-Task Residual Learning for Lap-Level Pit Stop Decision Support in Formula One**
Hitesh Dereddy, Shashank Kommanaboyina, Amity University Uttar Pradesh, Noida
- ID 449 News-Driven Stock Market Movement Prediction using Hybrid Learning**
Suruchi, Vikrant Sharma, Nipun Chhabra, GNA University, Phagwara, Punjab
- ID 494 Adaptive Operational Decision Making under Disruption: A Simulation Study of Agentic AI Control**
Shweta, Bhairab Chandra Patra, Neha Kumari, Indian Institute of Management, Sambalpur, Orissa

11:15 AM - 11:45 AM (F3 Seminar Hall)

KEYNOTE TALK: INTEGRATIVE METHODOLOGY FOR AGENTIC AI DEVELOPMENT: COMPONENT-BASED CONCEPTUAL DESIGN, NETWORK - ORIENTED DETAILED DESIGN, AND RISK ASSESSMENT VIA PROBABILISTIC WHAT-IF ANALYSIS FOR HUMAN-AI DECISION MAKING

Prof. (Dr.) Jan Treur, Ms. Wissal Mestour, The Hague University of Applied Sciences, Netherlands

11:15 AM - 11:45 AM (F3 MDP Hall)

KEYNOTE TALK: AI THROUGH ITS INFLECTION POINTS

Dr. Vishnu Pendalya, Professor, Applied Data Science & Academic Senator San Jose State University, USA

11:45 AM - 12:15 PM (F3 MDP Hall)

INVITED TALK: RECENT ADVANCES IN COMPUTATIONAL ENGINEERING & COMPUTER-AIDED ENGINEERING: EMERGING TECHNOLOGIES AND APPLICATIONS

Prof. Sardar M. N. Islam (Naz), Victoria University, Melbourne, Australia

12:00 Noon - 01:15 PM (F3 Seminar Hall)

A SESSION ON WHY AGENTIC AI MATTERS FOR THE FUTURE OF PAYMENTS

Mr. Md. Asif Ali Khan, Sr. Vice President, FIS, **Mr. Prakash Sharma**, Sr. Director, FIS

12:15 PM - 12:45 PM (F3 MDP Hall)

INVITED TALK : AUTO ASSOCIATIVE NEURAL NETWORK FOR MODELLING COMPLEX SYSTEMS

Prof. (Dr.) Sandhya Samarsinghe, Professor & Head, Complex Systems Big Data and Informatics Initiative, Lincoln University, New Zealand

12:30 PM - 01:30 PM (F1 MDP Hall)

PAPER PRESENTATION TRACK 7: KNOWLEDGE & DATA-DRIVEN INTELLIGENCE

- **Session Chair:** Dr. Arpit Bhardwaj, Gautam Buddha University, Greater Noida, Greater Noida
- **Session Co-Chair:** Dr. Vivek Jangra, Amity University Uttar Pradesh, Noida

ID 85 Enhancing the Tourism Experience through Artificial Intelligence:

Human identification using Deep Learning techniques

Sushil Kumar, Selvakumar K., NIT, Tiruchirapalli, Tamil Nadu

ID 269 Evaluating Responsible Artificial Intelligence Development: A Technical Architecture for Assessment of Policy and Practice in the Indian Context

Swati Mishra, Dhiraj Pandey, Kakoli Banerjee, JSS University, Noida, Uttar Pradesh

ID 292 Asynchronous Federated Learning for Efficient Predictive Maintenance in Connected Vehicles

Himani Tyagi, Abhilasha Singh, Ganesh Gupta, SRM Institute of Science & Technology, Ghaziabad, Uttar Pradesh

ID 345 Efficient Preprocessing for Multi-Category Brain Tumor MRI using Hybrid Filtering and Adaptive Thresholding

Rajesh Kumar M S, Suganiya Murugan, SRM Institute of Science and Technology, Chennai, Tamil Nadu

ID 348 Multimodal Real-Time Driver Drowsiness Detection Using EEG, ECG, and Haar-Cascade

Pratyusha Jha, Pradeep Kumar Shivakumar, Suganiya Murugan, SRM Institute of Science and Technology, Chennai, Tamil Nadu

ID 356 AI-Powered Intervention for Stroke Risk Prediction: A Data-Driven Analysis Using Clinical and Demographic Features

Ritu Chauhan, Devanshi Thakur, Vijeta Singh, Amity University Uttar Pradesh , Noida

ID 382 REDBRIDGE: An AI-Powered, Geolocation and OCR-Based Blood Donor Matching and Verification Platform with ABHA Integration

Suhani Sharma, Abhigyan Tripathi, Dhruv Garg, Akash Ranjan, AkshatKumar, Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh

ID 389 Transformer Based Brain to Text Communication System for Locked-In Syndrome Patients

Deepayan Thakur, Avni Nehru, Yash Chauhan, Amrit Agrawal, Dharm Jaiswal, Sharda University, Greater Noida, Uttar Pradesh

ID 471 Investigating AI-enabled Tools for Risk Management

Ishita Dham, Nitasha Hasteer, Keith Sherringham, Vangmayee Sharda,
Amity University Uttar Pradesh, Noida, Uttar Pradesh

ID 489 Machine Learning Based Assessment of EEG Classification Performance with Single-Channel Digit Datasets

Aditi Bhardwaj, Asif Iqbal, Pradeep Tomar, Ashok Kumar Suhag, Gautam Buddha University,
Greater Noida, Uttar Pradesh

ID 502 AI-Based Approaches for Sign Language Translation

Divyansh Singh, Rohnit Sethi, Sanjay Dubey, Amity University Uttar Pradesh,
Noida, India

01:30 PM- 02:00 PM

LUNCH BREAK

02:00 PM - 04:00 PM (F3 Seminar Hall)

ALUMNI MEET

- **Mr. Shivam Gupta**, Dy. Director Cyber Forensic, Indian Navy
- **Mr. Harshit Gupta**, Marketing Director, LAPCARE
- **Mr. Siddharth Gupta**, Principal Security Consultant, Kroll Cyber Risk
- **Mr. Mukul Agarwal**, Manager, National Gases
- **Mr. Viplov Madan**, Cloud Architect, EPAM Systems
- **Ms. Abhilasha Tyagi**, Project Manager, Yamaha Motor Solutions India Pvt. Ltd.
- **Ms. Akansha Jain**, Sr. Lead Software Engineer, Adobe
- **Ms. Geetika Grover**, Associate Consultant, Project Management
- **Mr. Mohit Budhiraja**, Project Manager, Nagarro
- **Ms. Roli Rajwanshi**, Compensation Analyst for APAC, Bechtel Corporation
- **Ms. Srishti Singh**, Senior Consultant, EY
- **Mr. Subarno Chatterjee**, Senior Fullstack Engineer, TO THE NEW
- **Mr. Shubham Chhabra**, Senior Software Engineer, HCL
- **Mr. Aakarsh Shrivastava**, Senior Technology Consultant, ZS

02:00 PM - 03:00 PM (F3 MDP)

A SESSION ON INDUSTRY-ACADEMIA COLLABORATION FOR CO-CREATING FUTURE-READY PROFESSIONALS IN AGENTIC AI ERA

04:00 PM - 5:00 PM (F3 Seminar Hall)

VALEDICTORY SESSION

05:00 PM - 05:15 PM

HIGH TEA

