



NACDC 2026

North American Conference on
Computational Intelligence, Data Science and Cloud Computing
August 10-12, 2026

University of British Columbia, Vancouver, Canada

Organized by
Department of Computer Science and Engineering and Information Technology
Institute of Engineering & Management, Kolkata, India

Program Schedule

Venue: University of British Columbia, Vancouver, Canada

Google Map: <https://maps.app.goo.gl/jioUuZrp49VQnK896>

All timings are given in UTC-7 & IST

DAY	EVENT DETAILS	Virtual Platform	TIMING
10.08.2026	Registration & Breakfast	-----	08:00 AM-09:00 AM (UTC-7)
	INAUGURATION Inaugural Address: Prof. Banani Chakrabarti , Patron, NACDC 2026 Welcome Address: Prof. Dr. Satyajit Chakrabarti , President, SMART Society About Conference: Prof. Dr. Moutushi Singh , Convener, NACDC 2026 Conference Statistics: Prof. Dr. Baisakhi Das , Convener, NACDC 2026 Special Address: Prof. Dr. Leo S. F Lin , Charles Start University, Australia, Guest of Honor, NACDC 2026	https://teams.microsoft.com/meet/39527744688782?p=FdNELinQWeN8B3naWG	09:00 AM-09:30 AM (UTC-7)
	Keynote Address 1 Dr Arnab Sinha Senior Manager of Applied Science at Amazon, Seattle, Washington, United States (Keynote Address: 45mins, Q&A: 15mins)	https://teams.microsoft.com/meet/39527744688782?p=FdNELinQWeN8B3naWG	09:30 AM-10:30 AM (UTC-7)
	Refreshment		10:30 AM-10:45 AM (UTC-7)
	Keynote Address 2 Dr Baljeet Malhotra Founder & CEO at TeejLab Inc. and Adjunct Professor, University of Victoria, Canada (Keynote Address: 45mins, Q&A: 15mins)	https://teams.microsoft.com/meet/39527744688782?p=FdNELinQWeN8B3naWG	10:45 AM-11:45 PM (UTC-7)
	Networking Lunch	-----	11:45 AM-01:00 PM (UTC-7)
	Registration & Breakfast		09:00 AM-09:30 AM (IST)
	Parallel Session 1 Session Chair 1: Prof Dr Darothi Sarkar Session Chair 2: Prof Dr Anupam Mondal 1. 1571268769 <i>A Comprehensive Study on Conversational Agents</i> 2. 1571269703 <i>Adversarial Evaluation and Empirical Validation of a Fine-Tuned Model for Network Intrusion Detection</i> 3. 1571269824 <i>Eye Guide: A Wireless Assistive Vision System Using Smartphone-Based Edge AI</i>	https://teams.microsoft.com/meet/383608038948136?p=EFvo8L2Rhicrmn8blj	09:30 AM-12:00 PM (IST)

11.08.2026	4. 1571270680 <i>Integrating Ecological Indices for Species Diversity to Predict Multi-Fractality in Mangrove Ecosystems</i> 5. 1571272054 <i>Spatio-Temporal Mangrove Health Dynamics Change Detection with Fractals.</i>		
	Parallel Session 2 Session Chair 1: Prof Dr Rupayan Das Session Chair 2: Prof Dr Sukanya Mukherjee 1. 1571273570 <i>Deep Learning-Based Emotion and Media Sync: A Media Recommendation System Based on Real-Time Facial Expression Recognition</i> 2. 1571275314 <i>Addressing Aliased Pixel Challenges of Mixed-Pixel Mangroves in Remote Sensing</i> 3. 1571275358 <i>Canopy Based Mangrove Change Detection</i> 4. 1571275421 <i>HGARS: A Hybrid Preprocessing Framework Using Machine Learning Models for Early Sepsis Prediction</i> 5. 1571275522 <i>A Hybrid Semantic-Aware Summarization Framework Using LSTM Attention and Transformer Models for Topic-Focused Knowledge Extraction from Multi-Source Wikipedia Articles</i>	https://teams.microsoft.com/join/366340473674926?p=pOceZ2VXbyUGPawIKs	09:30 AM-12:00 PM (IST)
	Parallel Session 7 Session Chair 1: Prof Dr Sudipta Basu Pal Session Chair 2: Prof Dr Anirban Das 1. 1571276816 <i>Effect of Stratified Data Volume on a Gated ResNet-50 and Tabular Data Fusion Model for Multi-Label Chest X-Ray Diagnosis</i> 2. 1571276830 <i>Agentic Staffing Orchestration: A Privacy-Preserving Spatial Architecture for Home Healthcare</i>	https://teams.microsoft.com/join/325247851262051?p=qJ6zOxHRTYq8s7nPoE	11:00 AM-11:30 AM (UTC-7)
	Parallel Session 3 Session Chair 1: Prof Dr Rabi Narayan Behera Session Chair 2: Prof Dr Susovan Jana 1. 1571275708 <i>AZK-RDFL: A Secure and Verifiable Federated Learning Framework for Sybil Attack Detection in IIoT</i> 2. 1571275823 <i>OSCAR: Bio-Oscillatory Intelligence for GPS-Free Precision Agriculture</i> 3. 1571275986 <i>Differentiable Trust-Aware Abstention Consensus for Robust Multi-Expert Weed Segmentation</i> 4. 1571277383 <i>Medicine Recommendation System Using Machine Learning</i> 5. 1571279923 <i>AI -Powered Political Speech Sentiment & Topic Analysis for Voter Awareness</i>	https://teams.microsoft.com/join/32806143701043?p=PPLKfflvrsxDVub1Ap	09:30 AM-12:00 PM (IST)

	Networking Lunch	-----	12:00 PM-01:00 PM (IST)
	Workshop 1 “Running Local AI Models on Android & iOS” Rohit Kumar Android@Flobis Organized by <i>Google Developer Group</i>	https://teams.microsoft.com/meet/383608038948136?p=EFvo8L2Rhicrmn8blj	01:00 PM-03:30 PM (IST)
	Refreshment		03:30 PM-04:00 PM (IST)
	Keynote Address 3 Ms. Swarnamouli Majumder <i>CEO & Founder, Zenext AI, Montreal, QC, Canada Bloomington, IN, USA</i> (Keynote Address: 45mins, Q&A: 15mins)	https://teams.microsoft.com/meet/39527744688782?p=FdNELinQWeN8B3naWG	09:30 AM-10:30 AM (UTC-7)
	Registration & Breakfast	-----	09:00 AM-09:30 AM (IST)
12.08.2026	Parallel Session 4 Session Chair 1: Prof Dr Soma Das Session Chair 2: Prof Dr Soumyendu Sekhar Bandyopadhyay 1. 1571280294 <i>Decentralizing Artificial Intelligence: The Transition to Task-Specific Multi-Agent Systems</i> 2. 1571280296 <i>Hybrid Machine-Learning Based Anomaly Detection in Smart Manufacturing Systems: A Comparative Study</i> 3. 1571282069 <i>Fractal Geometry-Based Assessment of Cyclone-Induced Structural Degradation in Sundarbans Mangroves</i> 4. 1571282557 <i>CropFinance Advisor: A Financial-Aware Extension to Machine Learning Crop Recommendation Systems Using Government Scheme Eligibility</i> 5. 1571282564 <i>Securing the Data Plane: A Systematic Literature Review on the Impact of Quantum Key Distribution on TCP Protocol Performance</i>	https://teams.microsoft.com/meet/383608038948136?p=EFvo8L2Rhicrmn8blj	09:30 AM-12:00 PM (IST)
	Parallel Session 5 Session Chair 1: Prof Dr Avijit Bose Session Chair 2: Prof Dr Apurba Paul 1. 1571282784 <i>Harmonic Decomposition for Financial Trend Analysis</i> 2. 1571283400 <i>A Systematic Review of Autonomous & Privacy-Preserving Safety Systems for Women and Children Using Sensor Fusion & Hybrid AI</i> 3. 1571293873 <i>Agentic Workflows for Automated Software Requirements Specification Generation via Small Language Models</i> 4. 1571299422 <i>District-Level Potato Yield Prediction in West Bengal: A Comparative Analysis of LSTM, RNN, and TCN</i>	https://teams.microsoft.com/meet/366340473674926?p=pOceZ2VXbyUGPawIKs	09:30 AM-12:00 PM (IST)

5. 1571299756	<i>An Enhanced Hyper-Heuristic for Single Objective Continuous Optimization Problems</i>		
Parallel Session 6 Session Chair 1: Prof Dr Sourav Malakar Session Chair 2: Prof Dr Prithwineel Paul 1. 1571300297 <i>Lexical Feature Analysis for Malicious DNS Domain Detection</i> 2. 1571295797 <i>AI Vs Human: Detecting Machine-Generated Research Papers Through Semantic and Citation Patterns</i> 3. 1571295883 <i>KiranaSmartly: An Android-Based Intelligent Inventory and Demand Forecasting System for Small-Scale Retail Digitization</i> 4. 1571304230 <i>HZPPI: A Multi-Feature Machine Learning Framework for Predicting Human-Zika Virus Protein-Protein Interactions</i> 5. 1571311082 <i>Harnessing Artificial Intelligence for Next-Generation Vulnerability Management: A Synthesis of Emerging Research and Operational Implications</i>		https://teams.microsoft.com/join/32806143701043?p=PPLKfflvrsxDVub1Ap	09:30 AM-12:00 PM (IST)
Networking Lunch		-----	12:00 PM-01:00 PM (IST)
Workshop 2 “Acting Humanly: Transforming the World where AI & ML meet Robotics” Prof Dr Subhasis Bhaumik Professor Aerospace Engineering & Applied Mechanics, IEST, Shibpur Organized by COE - ACIC		https://teams.microsoft.com/join/383608038948136?p=EFvo8L2Rhicrmn8bIj	01:00 PM-03:00 PM (IST)
Refreshment		-----	03:00 PM-03:30 PM (IST)
Keynote Address 4 Dr Avimanyou Vatsa <i>Associate Professor, Department of Computer Science, Fairleigh Dickinson University, Teaneck, New Jersey</i> (Keynote Address: 45mins, Q&A: 15mins)		https://teams.microsoft.com/join/39527744688782?p=FdNELinQWeN8B3naWG	02:00 PM-03:00 PM (UTC-7)
Valedictory Session		https://teams.microsoft.com/join/39527744688782?p=FdNELinQWeN8B3naWG	03:30 PM-04:00 PM (IST)