International Conference on Cognitive Computing, Intelligence and Data Science Applications
Lakehead University, Thunder Bay, Canada
June 19–20, 2026
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International Conference on Cognitive Computing, Intelligence and Data Science Applications (CCIDSA)

Following the success of its inaugural edition, we are delighted to announce the 2nd International Conference on Cognitive Computing, Intelligence, and Data Science Applications (CCIDSA), which will take place on June 19–20, 2026, and will be hosted by the Image Analysis & Pattern Identification Research Lab (IAPI-RL) at Lakehead University in Thunder Bay, Canada.

Topics of interest include but not limited to the following:

Track - 1: Generative Models and Applications

- Style Transfer and Artistic Content Generation
- Transformers for Image and Text Generation
- Generative Models for Audio and Music Synthesis
- 3D Object Generation and Reconstruction
- DeepFake Technology and Synthetic Media Creation
- Generative Adversarial Networks (GANs)
- Variational Autoencoders (VAEs)
- Transformers for Generative Tasks
- Energy-Based Models (EBMs)
- Conditional Generative Adversarial Networks (cGANs)

Track - 2: Artificial Intelligence

- Deep Learning, Machine Learning, and AI Algorithms
- Machine Learning and Data Mining
- Natural Language Processing
- Deep/ Reinforcement Learning
- Decision Support Systems
- Genetic Algorithms and Swarm Optimization
- Health Care Analytics
- Application of AI in Big Data
- Explainable Artificial Intelligence and Intelligent Systems
- Edge & Fog Computing
- AI in Robotics
- AI for Remote Sensing and related Applications

Track-3: Business Analytics & Operations Research

- Analytics in Banking, Insurance, Marketing
- Predictive analytics for consumer behavior
- AI-driven personalization and recommendation systems
- Sentiment analysis and social media monitoring
- Web and Social Media Analytics
- AI for risk assessment and fraud detection
- AI in credit scoring and loan underwriting
- Employee engagement and retention analytics
- AI for personalized learning and development plans
- Scenario planning using machine learning models

Track – 4: Social Sciences in Digital Era

- Predictive models for economic forecasting
- Market structure analysis using AI
- Technology in policy making and governance
- Simulation of political scenarios and conflict resolution
- Analysis of educational data
- Machine learning for personalized medicine
- AI for public health data analysis and surveillance
- Social network analysis using AI
- AI in studying migration patterns and social integration
- AI for mental health diagnostics and treatment recommendations
- Cognitive modeling and AI simulations