

# International Conference on Cognitive Computing, Intelligence and Data Science Applications

Lakehead University, Thunder Bay, Canada

June 19–20, 2026

[www.ccidsa.com](http://www.ccidsa.com)



## Important Dates

**Paper Submission:** March 10, 2026  
**Notification to Authors:** May 10, 2026  
**Camera Ready:** June 15, 2026

## Conference Committees

### General Chairs

- Dr. Alaa Ali Hameed, Istinye University, Turkey
- Dr. Saad B. Ahmed, Lakehead University, Thunder Bay, Canada

### Technical Program Chairs

- Dr. Akhtar Jamil, National University of Computer and Emerging Sciences, Pakistan.
- Dr. Mazhar Rathore, Lakehead University, Thunder Bay, Canada

### Organizing Committee

- Dr. Abedalrehman Alkhateeb, Lakehead University, Thunder Bay, Canada
- Dr. Ahmed Abdelgawad, Central Michigan University, USA
- Dr. Alessandro Ortis, University of Catania, Italy
- Dr. Ibrahim A. Hameed, Norwegian University of Life Sciences (NMBU), Norway
- Dr. Sheraz Ahmed, German Research Center for Artificial Intelligence, Germany
- Dr. Umair Rehman, University of Western Ontario, Canada

### Scientific Committee

- Dr. Abedalrhman Alkhateeb, Lakehead University, Canada
- Dr. Ahmed Abdelgawad, Central Michigan University, USA
- Dr. Ahmed Youssef, American University of the Middle East, Kuwait
- Dr. Bharat Bhushan, Sharda University, India
- Dr. Deepika Kumar, Bharati Vidyapeeth's College of Engineering, India

## 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 (IAP-IRL) 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-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 - 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 - 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

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