32nd Annual

IEEE/ACIS

International Conference on Software Engineering,
Artificial Intelligence, Networking and
Parallel/Distributed Computing
(SNPD 2025)

PROGRAM

Conference Sponsors

IEEE computer society

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Algoma UNIVERSITY

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MESSAGE FROM THE PRESIDENT

On behalf of Algoma University, I'm delighted to welcome you to our Brampton campus for the 32nd annual Institute of Electrical and Electronics Engineers (IEEE)/ International Association for Computer and Information Science(ACIS) International Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing (SNPD 2025).

We are honoured to host this prestigious international gathering that brings together leading scholars, researchers, and industry professionals from around the world. This conference reflects our commitment to cross-cultural education, academic excellence, research innovation, and meaningful global engagement.

SNPD 2025 offers invaluable opportunities for our students and faculty to engage with emerging ideas and connect with global thought leaders in the field. Your presence here also strengthens our growing reputation as a centre for inclusive excellence and innovation in computer science and technology.

Algoma University would like to extend our gratitude to the organizing committee, the Faculty of Computer Science and Technology, and our partners at IEEE and ACIS for making this groundbreaking event possible.

I wish you an enriching and inspiring experience over the days ahead.

Biindigen, Bienvenue and Welcome to Algoma University—and to SNPD 2025!

Sincerely,

Sheila Embleton

Dr. Sheila Embleton, FRSC (she/her)
Interim President and Vice-Chancellor, Algoma University

CONFERENCE SCHEDULE

Day 1 - Wednesday, July 23, 2025 (Full-Day)

Morning Session

8:00 a.m. - 12:00 p.m.
Registration

9:00 a.m. - 9:40 a.m.
Opening Ceremony

9:40a.m. -10:40 a.m.
Keynote Speaker 1

10:40 a.m. - 11:00 a.m.
Coffee/Tea Break (social networking)

11:00am - 12:00 p.m.
Keynote Speaker 2

12:00 p.m. - 1:20 p.m.
Lunch on your own

Afternoon Session

1:20 p.m. - 5:00 p.m.
Registration

1:20 p.m. - 3:00 p.m.
2 Parallel Sessions
(researchers and authors will present their papers)

3:00 p.m. - 3:20 p.m.
Coffee/Tea Break (social networking)

3:20 p.m. - 5:00 p.m.
2 Parallel Sessions / Workshops

6:00 p.m. - 9:00 p.m.
Welcome Reception (social networking)

Day 2 - Thursday, July 24, 2025 (Full-Day)

Morning Session

8:00 a.m. - 5:00 p.m.
Registration

8:20 a.m. - 10:00 a.m.
2 Parallel Sessions

10:00 a.m. - 10:20 a.m.
Coffee/Tea Break (social networking)

10:20 a.m. - 12:00 p.m.
2 Parallel Sessions

12:00 p.m. - 1:20 p.m.
Lunch on your own

Afternoon Session

1:20 p.m. - 3:00 p.m.
Special Sessions & Workshops

3:00 p.m. - 3:20 p.m.
Coffee/Tea Break (social networking)

3:20 p.m. - 5:00 p.m.
2 Parallel Sessions or Workshops

6:30 p.m. - 9:30 p.m.
Banquet Dinner & Awards: Best Paper and Best Student Paper

Day 3 - Friday, July 25, 2025 (Half-Day)

Morning Session

9:00 a.m. - 10:20 a.m.
2 Parallel Sessions

10:20 a.m. - 11:00 a.m.
Coffee/Tea Break (social networking)

11:00 a.m. - 12:00 p.m.
Conference Chairs Discussion & Closing Remarks

WELCOME TO SNPD 2025

32nd IEEE/ACIS International Summer Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing

Algoma University, Brampton:
(GTA) Greater Toronto Area, Canada: July 23–25, 2025

About the Conference

The SNPD conference brings together researchers, practitioners, and educators to present and discuss the latest innovations, trends, and challenges in the fields of software engineering, AI, networking, and parallel/distributed computing. Sponsored by I**EEE, ACIS**, and **Algoma University**, SNPD 2025 promises to be a dynamic and forward-thinking event set in the vibrant Greater Toronto Area.

Key Topics of Interest Include:

- Advances in software engineering and DevOps practices
- AI-driven software design, testing, and maintenance
- Deep learning for software defect prediction
- Microservices architecture & cloud software reliability
- Quantum software engineering
- High-performance computing and parallel systems
- Cybersecurity, IoT, blockchain in software systems
- Ethics and responsible AI development

See full list in the conference program or website

Best Paper & Student Awards

Conference officers will recognize excellence through the **Best Paper Award** and **Best Student Paper Awards**. To be eligible, papers must be presented in person at the conference.

KEYNOTE SPEAKERS

Two Decades of Applied AI: A Research Journey Through Security, Networks, and Language

Miguel Vargas Martin
Professor of Computer Science,
Ontario Tech University
Miguel.VargasMartin@ontariotechu.ca

This keynote traces a two-decade research journey at the intersection of machine learning, cybersecurity, human interaction, and natural language processing, shaped by the evolution of AI methods and their application to real-world challenges. While rooted in Dr. Vargas Martin's research, the talk reflects more broadly on how AI has matured as a powerful enabler of scientific inquiry and system design across domains. The journey began in 2006 with statistical learning techniques for detecting child sexual abuse material in network traffic, an early demonstration of AI in support of digital safety. In 2011, neural networks were applied to predict learner behaviour in digital environments, paving the way for future user modeling efforts. By 2015, the focus shifted to detecting covert side-channel communication in wireless and mobile ad hoc networks, where machine learning uncovered hidden signaling patterns within low-level protocols. From 2018 to 2022, the research moved increasingly toward human-centered security, investigating password memorability and later generating resilient authentication data using adversarial learning and pre-trained language models. In parallel, new directions emerged in affective computing, including the modeling of artificial empathy in clinical companion robots with privacy-by-design principles (2021), and the development of emotion recognition systems for social robots (2022). Most recently, the work has returned to foundational NLP problems, including enhanced sentence-wise text segmentation using transformer models (2024) and the application of large language models to detect cryptographic misuse in software systems (2025). Throughout this arc, machine learning has remained a constant, not merely as a method, but as a lens through which to interpret, model, and shape intelligent, secure, and human-aware systems. This talk will explore that continuum, situating past projects within the evolving landscape of AI and drawing lessons for future interdisciplinary research in the spirit of the SNPD community.

Biography

Miguel Vargas Martin is a Professor of Computer Science at Ontario Tech University. He holds a PhD in Computer Science from Carleton University, a Master's in Electrical Engineering from CINVESTAV-IPN, and a Bachelor's in Computer Science from UAA. A licensed Professional Engineer in Ontario, he has led over two decades of interdisciplinary research at the intersection of cybersecurity, machine learning, and human-computer interaction. His work has addressed challenges ranging from the detection of covert communication in wireless networks to password usability, AI-generated authentication artifacts, affective computing for social robots, and large language model applications in software security. Unifying these efforts is a long-standing focus on the responsible use of AI to build secure, intelligent, and human-aware systems.

Cybersecurity Analysis and Detection of Advanced Cyber Threats

John (Junghwan) Rhee, Ph. D.
Associate Professor, University of Central Oklahoma
jrhee2@uco.edu

The frequency and sophistication of cybersecurity attacks targeting critical infrastructure, businesses, educational institutions, and government agencies continue to grow each year. Many of these attacks, such as ransomware and data breaches, are carefully orchestrated to remain stealthy and undetected over extended periods. These characteristics make detection and prevention particularly challenging, as malicious behavior is often obscured by legitimate system activity.

In this talk, Dr. Rhee will present a series of research projects focused on system-wide monitoring, behavioral analysis, and advanced threat detection. His work explores data-driven methods that trace causal chains of complex attack behaviors, as well as approaches that leverage domain knowledge of operating systems to identify anomalous states indicative of cyber threats. The talk will conclude with an overview of new cybersecurity programs being developed at the University of Central Oklahoma, which aim to provide students with practical, hands-on experience and foundational skills in cybersecurity.

Biography

Dr. Junghwan (John) Rhee is an Associate Professor in the Department of Computer Science at the University of Central Oklahoma. He earned his Ph.D. in Computer Science from Purdue University. Before joining UCO, he served for nine years as a senior researcher and security team leader at NEC Laboratories America in Princeton, New Jersey.

Dr. Rhee's research lies at the intersection of system security and reliability, with a focus on system diagnosis, end-host security, system provenance, and cyber-physical systems. His work is grounded in data-driven methodologies, program analysis, and operating systems techniques, aiming to enhance the detection and understanding of complex cyber threats. He has published 63 peer-reviewed conference papers, 5 journal articles, and holds 29 U.S. patents.

CONFERENCE IN DETAIL

Wednesday, July 23, 2025

8:00 a.m. – 12:00 p.m.
Registration: Rose Theatre Foyer

9:00 a.m. – 9:40 a.m.
Opening Ceremony: Rose Theatre Mainstage

9:00 a.m. – 9:15 a.m.
Welcoming Remarks::
Dr. Sheila Embleton, President and Vice-Chancellor,
Algoma University, Canada

9:15 a.m. – 9:25 a.m.
Opening Remarks:
Dr. Simon Xu, General Chair and Acting Dean, Faculty of
Computer Science and Technology, Algoma University, Canada

9:25 a.m. – 9:30 a.m.
Remarks:
Dr. Miguel Garcia-Ruiz, Conference Co-Chair,
Algoma University, Canada

9:30 a.m. – 9:35 a.m.
Introduction to the Conference Program:
Dr. A B M Bodrul Alam, Program Co-Chair,
Algoma University, Canada

9:40 a.m. – 10:40 a.m.
Keynote 1, Rose Theatre Mainstage:
Session Chair, Dr. Wenyin Feng, Trent University, Canada

Keynote Speech 1:
Dr. Miguel Vargas Martin,
Ontario Technology University, Canada

10:40 a.m. – 11:00 a.m.
Coffee/Tea Break & Networking: Rose Theatre Foyer

11:00 a.m. – 12:00 p.m.
Keynote 2, Rose Theatre Mainstage
Session Chair, Dr. Ajmery, Algoma University, Canada

Keynote Speech 2:
Dr. John (Junghwan) Rhee,
University of Central Oklahoma, USA

12:00 p.m. – 1:20 p.m.
Lunch Break on your own

1:20 p.m. - 5:00 p.m.
Registration, Outside Room 301 (56 Queen Street East)

1:20 p.m. – 3:00 p.m.
Parallel Sessions, Room 301/305 (56 Queen Street East)

Session I: AI Applications Room 301

Chair: Dr. Randy Lin, Algoma University, Canada

Empirical Study of BERt: Based Models for Sentiment Analysis
Bo Huang, Fei Song

Using Synthetic Aperture Radar and Optical Satellite Data for Wildfire Detection: A Case Study
Lilatul Ferdouse, Ank Zaman, Aryan Patel, Pranshu Patel, Aryan Vaghela

Crime Pattern Detection in Toronto: A Focus on Theft from Motor Vehicles
Tahmina Akhter, Lilatul Ferdouse

Session II: Deep Learning Room 305

Chair: Dr. Mahreen Nasir, Algoma University, Canada

A Content Based E-Commerce Dataset Recommendation System Using BERT and Named Entity Recognition *Ayomide E. Oduba, C.I. Ezeife, Mahreen Nasir*

Reinforcement Learning-Driven Energy Optimization of Industrial Induction Motors under Dynamic Load Conditions *Maryam Sepehrinour, Alireza Siadatan, Seham Al Abdul Wahid, Farah Mohammadi, Arghavan Asad*

Modeling and Forecasting Train Delays Using Spatiotemporal Graph Neural Networks
Lord Coffie

3:00 p.m. –3:20pm
Networking Break (coffee/tea) Outside of Rooms 301

3:20 p.m. – 5:00 p.m.
Parallel Sessions, Rooms 301/305 (56 Queen Street East)

Session III: LLM-Based Applications Room 301
Chair: Dr. Lilatul Ferdouse, Wilfrid Laurier University, Canada

LLM-Powered SQL Querying: Transforming Natural Language into Database Insights
Aanya Goel, Wenjun Lin, Rashid Hussain Khokhar

Making the Case for LLM-Generated Automated Program Repair Benchmarks
Yasser Ebrahim

Session IV: AI-Driven Requirements Room 305
Chair: Dr. Syed Muhammad Danish, Algoma University, Canada

Chatbots as Turing Machines
Sathaporn Hu

Designing an AI-Driven Mobile Charging Station Network: Requirements and Opportunities
Sabiya Masthanali, Syed Muhammad Danish, Ajmery Sultana, Mahreen Nasir, Md Nashid Anjum, A B M Bodrul Alam, Faria Khandaker

Peer-to-Peer Renewable Energy Trading Using Agent-Based Modelling
Elli Traboulsi, Karim Imbeau, Yazan Otoum

Increasing Power Transmission in Compact Low-Frequency Antenna Arrays through Active Negative Impedance Conversion
Shayan Mohammadi Gorji, Hamed Karimi, Alireza Siadatan, Maryam Sepehrinour, Rupinder Kaur, Seham Al Abdul Wahid, Farah Mohammadi, Arghavan Asad

Peer-to-Peer Renewable Energy Trading Using AgentBased Modelling

Elli Traboulsi, Karim Imbeau, Yazan Otoum

6:00 p.m. – 9:00 p.m.
Welcome Reception: The Alderlea (40 Elizabeth Street S)

Thursday, July 24, 2025

8:00 a.m. – 5:00 p.m.:
Registration: Outside of Room 301, 56 Queen Street

8:20 a.m. – 10:00 a.m.
Parallel Sessions, Room 301/305 (56 Queen Street East)

Session I: Quantum Computing Applications Room 301
Chair: Dr. Arghavan Asad, Algoma University, Canada

Peer-to-Peer Energy Trading in a Local Energy Market Using Quantum Reinforcement Learning
Md Moniruzzaman, Ajmery Sultana, Georges Kaddoum

Quantum-Enhanced Data Analytics For Crime Prediction *Abraham Ighalo, Ajmery Sultana*

Session II: Security & Privacy Room 305
Chair: Md Nashid Anjum, Algoma University, Canada

Privacy Preserving A-Priori and ECLAT with Local Differential Privacy
Christine Wong, Abdulrauf Gidado, Kayode Adewole

AI-Enabled Phishing Links Detection Using Machine Learning Models
Isha Lad, Rutisha Patel,Ekta Patel, Rupinder Kaur, Arghavan Asad, Mahreen Nasir, Farah Mohammadi

Efficiency in Chat Application Encryption: A Comparative Review with Proposed Enhancements
*Jikesh Thapa, **Rashid Hussain Khokhar**, Md Nashid Anjum*

An NFT-based Blockchain Solution for Employee Skill Enhancement and Development
Fairouz Fakhfakh, Saoussen Cheikhrouhou, Slim Kallel, Oumayma Jarray

Internet of Things Privacy Preserving Selected Encryption Framework
Ala' Khalifeh and Dhiah El Diehn I. Abou-Tair

Privacy-Preserving Machine Learning for Mental Health Prediction Using Homomorphic Encryption
Shahroz Abbas, Ajmery Sultana, Mahreen Nasir, Miguel Garcia-Ruiz, Wenjun Lin

10:00 a.m. – 10:20 a.m.
Coffee/Tea Break with light snacks – Outside room 301

10:20 a.m. – 12:00 p.m.
Parallel Sessions, Rooms 301/305 (56 Queen Street East)

Session III: Cloud & Edge Computing Room 301
Chair: Dr. Faria Khandaker, Algoma University, Canada

Optimizing Cloud Pricing Strategies Using AWS Simulations and Dockerization
Preyas Patel, Mohaisin Shahadu, Matthew Del, A B M Bodrul Alam

Uninterrupted Internet Access: A Peer-to-Peer Alternative for Outage-Proof and Censorship-Resistant Communication
Arita Paneri, Md Nashid Anjum, Wafi Danesh, Syed Muhammad Danish

A Comparative Study of Task Offloading Approaches in the Edge-Cloud Paradigm
Gurman Kaur, Faria Khandaker

Resource Balancing and Energy Efficient Client Selection in Federated Learning for Mobile Edge Computing
Ubaid Abbasi, Usama Mir, Zeeshan Ali Khan

Cogniroot Edge: A Quest for A Fair AI Grader
Md Nashid Anjum, Shamim Ahmed, Mahmudul Hasan, Wenjun Lin

Session-IV: Ethics in Computing Systems Room 305
Chair : Dr. Somang Nam, Algoma University, Canada

Ethical Challenges in AI-based Clinical Decision Support System
Thi Thuy Tien Tran, Xiaofan Wang

Towards Safer Online Platforms: Explainable and Adversarial-Resistant Toxic Comment Detection
Sujani Chandrashekar, Yang Liu

Towards Designing User Interfaces for Optimized Human-AI Communication and Supervisory Control in Software Engineering
Somang Nam, Christopher Chun Ki Chan

12:00 p.m. – 1:20 p.m.
Lunch Break on your own

1:20 p.m. – 3:00 p.m.
Special Sessions & Workshops:

Special Session I: Generative AI in IoT Enhancing Intelligence and Scalability in Connected Systems Room 301
Chair: Dr. Yazan Otoum, Algoma University, Canada

Phishing Detection in the Gen-AI Era: Quantized LLMs vs Classical Models
Șerban Voinea Gabreanu, Jikesh Thapa, Gurrehmat Chahal, Yazan Otoum

A Heterogeneous Scheduling Approach for Efficient Memory Management in IoT Systems
Rupinder Kaur , Arghavan Asad , Farah Mohammadi

Hybrid LLM-Enhanced Intrusion Detection for Zero-Day Threats in IoT Networks
Mohammad F. Al-Hammouri, Yazan Otoum , Rasha Atwah, Amiya Nayak

Empowering IoT with Large Language Models: A Survey of Applications, Challenges, and Future Directions
Ali Shahraeeni, Rupinder Kaur, Abbas Koochari, Farah Mohammadi, Arghavan Asad

Special Session II: Revolutionizing Software Engineering with AI: Recommender Systems and Beyond Room 305
Chair: Dr. Mahreen Nasir, Algoma University, Canada

DeepNRSfPP: Learning-Based Real-Time Non-Rigid Structure-from-Perspective Projection
Maryam Sepehrinour, Alireza Siadatan, Seham Al Abdul Wahid, Farah Mohammadi, Arghavan Asad

Integrating Matrix Factorization with Fair Re-Ranking for Improved Personalization in Recommender Systems
Amir Javad, Mostafavi Nejad, Rupinder Kaur, Abbas Koochari, Farah Mohammadi, Arghavan Asad

Schizophrenia Detection using Non othogonal Adaptive Constrained Independent Vector Analysis with Multivaraite Distrbution
Ali Algumaeia, Muhammad Azamb, Nizar Bouguilaa

Personalizing E-Commerce by Optimizing LLMs for Tailored Product Recommendations
James Gu, Mahreen Nasir,Syed Muhammad Danish

3:00 p.m. - 3:20 p.m.
Coffee/Tea Break with light snacks - Outside room 301

3:20 p.m. - 5:00 p.m.
Parallel Sessions, Room 301/305 (56 Queen Street East)

Special Session IV: Emerging Frontiers in Security: Innovations Across Diverse Technological Domains Room 301
Chair: Dr. Ajmery Sultana, Algoma University, Canada

Deep Learning-based Binary Analysis for Vulnerability Detection in x86-64 Machine Code
Mitchell Petingola

Design and Implementation of a Controlled Ransomware Framework for Educational Purposes Using Flutter Cryptographic APIs on Desktop PCs and Android Devices
James Gu

The Passwordless Authentication with Passkey Technology from an Implementation Perspective
Lien Tran

Autonomous AI-based Cybersecurity Framework for Critical Infrastructure: Real-Time Threat Mitigation
Jenifer Paulraj

Innovative Approaches to Cybersecurity Education: Tools and Strategies for Training the Next Generation of Professionals
Sikder M. Kamruzzaman, Ishrat Z. Sikder

Advancing Zero Trust Security in Industrial IoT (IIoT): A Machine Learning Perspective
Syed Muhammad Danish

Session V: Room 305
Chair: Dr. Wenying Feng, Trent University, Canada

Reducing Financial Debt and Illiteracy in Canadian Populations Using Machine Learning Prediction Models
Mariam Merza, Uchechukwu Obinwanne, Wenying Feng

Intraday Stock Price Prediction using Machine Learning: A Case Study on YFinance Stock Data
Dikshith Reddy MacHerla, Uchechukwu Obinwanne, Wenying Feng

Chess Game Outcome Prediction Using Machine Learning
Noah Giacchetta, Uchechukwu Obinwanne, Wenying Feng

Stinger: An Asynchronous Multiplayer Serious Game for Dengue Awareness
Ashedur Rahman

Framework to Support Over-The-Air Updates for Autonomous Driving Software
David Shen, Wuwei Shen, Ioannis Nearchou

3:20 p.m. - 5:00 p.m.

Special Session: Virtual Presentations. Room 308. Chair: Dr. Miguel Garcia-Ruiz, Algoma University, Canada (online papers will be presented in Room 308)

For VIRTUAL PRESENTATIONS: Google Meet link: meet.google.com/afa-dhzz-gqn

Distributed and Elastic Infrastructure for ML Training with Optimized Performance
Kiran Bhat and Sowmya Chintakindi

Comparative Analysis of Machine Learning, Deep Learning, and Ensemble Models for Stroke Prediction Using Electronic Health Records

Lord Coffie, Mary Dufie Afrane, Kwabena Opoku Frempong-Kore, Jongyeop Kim

Modeling and Forecasting Train Delays Using
Spatiotemporal Lord Coffie

Benchmarking Large Language Models: A Comparative Study of DeepSeek and ChatGPT Across Diverse Domains
Vishwa Bhatt, Zhixin Yu, Divya Thakar, Jerry Cervantes-Fernandez, Mira Kim, Daniel Jin, Khalil Dajani, Jennifer Jin

Entropy Regularization and Trade-off Strategies for Policy Gradient Agent Recommendation in Dhaka Stock Exchange Market
Md. Nadim Sheikh, Rashedur M. Rahman

A Hybrid Approach for Real-Time Sports Analysis
Madhulika Akumalla, Keerthana Bantu, Sayan Banerjee, Shoieb Ur Rahman Thayal

6:30 p.m. - 9:30 p.m.

Banquet Dinner: The Alderlea (40 Elizabeth Street S)

Friday, July 25, 2025

9:00 a.m. – 10:20 a.m.
Parallel Sessions, Room 301/305 (56 Queen Street East)

Workshops Virtual:
The 6th International Workshop on Smart Media Theory and Application (SMTA 2025) Room 301
Meeting link: [https://cuc.meeting.tencent.com/dm/YCKE1dou297b], password: 19456
Chair: Dr. Xin Zhang, Communication University of China, China

DAHG-A Heterogeneous Graph-Based Dual-Attention Mechanism for Emotion Recognition in Conversation *Yao Fu, Junpeng Gong, Pengzhou Zhang, Zhanxin Yang, Juan Cao*

Figure Mural Restoration Based on Dual-branch Diffusion Model
Hui Ren, Xian Zhu, Chengya Zhang, Zhen Li

Optimization of Neural Radiance Fields Rendering Quality via Hybrid Attention and Weighted Feature Distillation
Xinyi Qi

Click-Through Rate Prediction via Graph-Augmented Behavioral Path Modeling
Qian Liu, Jing Zhou, Xin Zhang

DEG-Sum● Discourse-aware Event Graph Summarization for News Texts
Qiyi Wei, Xin Zhang, Wenqian Shang

Special Session, Virtual Presentations/ 'will Register Status' (Friday 9:00am - 10:20am)
For VIRTUAL PRESENTATIONS: Google Meet link: meet.google.com/afa-dhzz-gqn

Dr. Miguel Garcia-Ruiz, Algoma University, Canada

Entropy Regularization and Trade-off Strategies for Policy Gradient Agent Recommendation in Dhaka Stock Exchange Market
Mohammad Rashedur Rahman

CAAC: Integrating Contrastive Learning and Autoencoders for Enhanced Unsupervised Representation Learning
Muhammad Jamil, Simon Xu

Multivariate Bounded Support Kotz Mixture Model: Addressing Financial Fraud and Network Security Challenges
Tsega Weldu Araya

Evaluating One-Shot and Multi-Shot Prompting Strategies in a Transparent Educational Chatbot Abdulrazaq
Mamud, Jongyeop Kim

Understanding Depression and Suicide Through Words: Analyzing Reddit Posts with Topic Modelling
Shayaree Subba, Muskan Girhotra, Md Zamilur Rahman

Post-Quantum Secure Protocol for Confidential and Auditable Data Transmission
Ankush Choudhary, Ajmery Sultana, Thirumurugan Shanmugam, Rajakumar Arul, Arunkumar Sivaraman

Post-Quantum Secure Protocol for Confidential and Auditable Data Transmission
Ankush Choudhary, Ajmery Sultana, Thirumurugan Shanmugam,Rajakumar Arul, Arunkumar Sivaraman

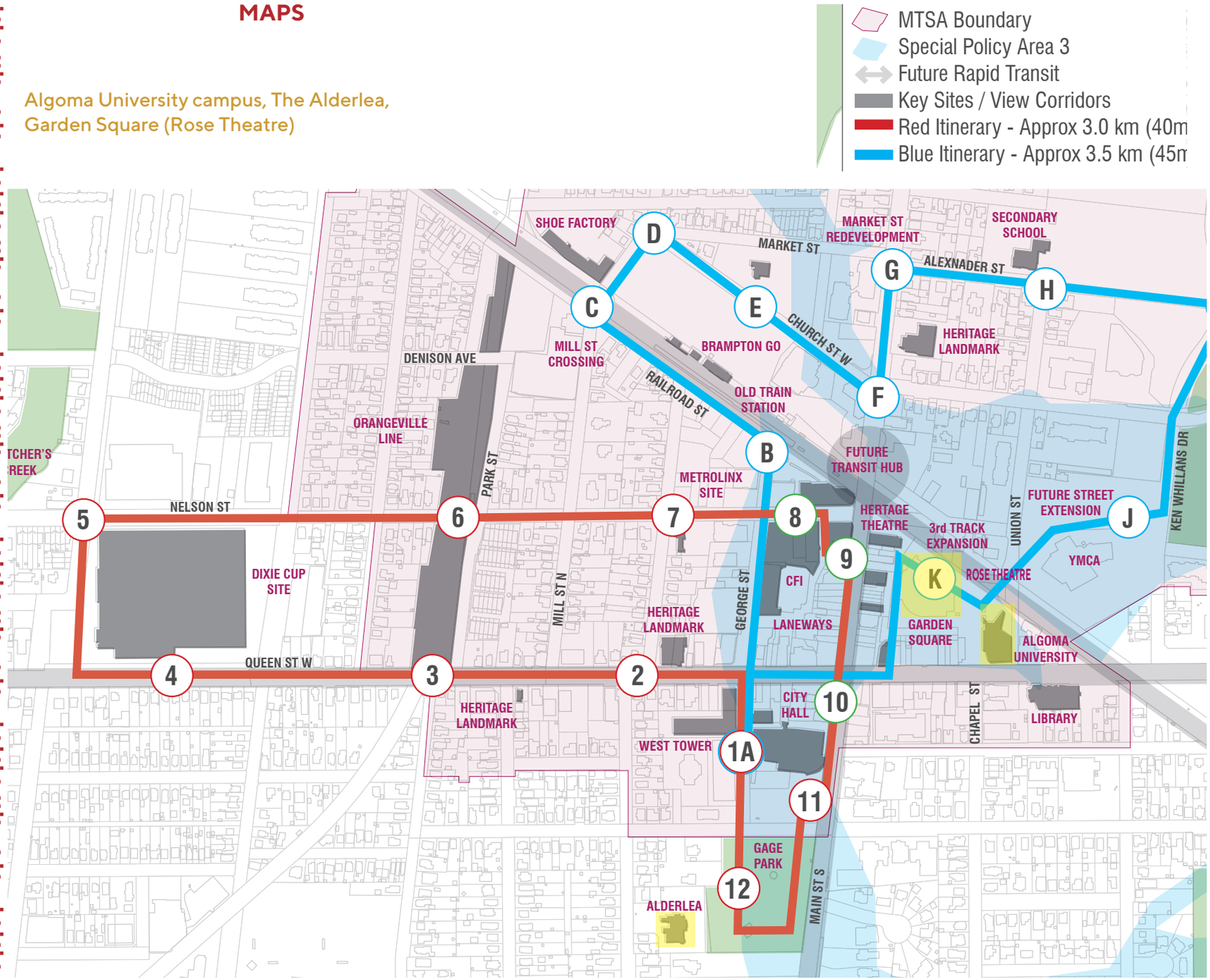
Schizophrenia Detection using Non Orthogonal Adaptive Constrained Independent Vector Analysis with Multivariate Distribution
Ali Algumaeia, Muhammad Azam, Nizar Bouguilaa

10:20 a.m. – 11:00 a.m.
Coffee/Tea Break with light snacks - Outside room 301

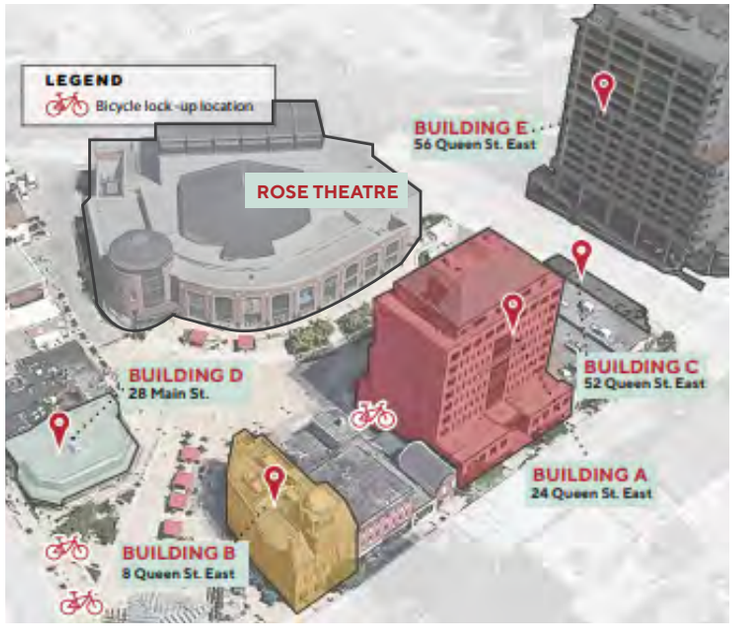
11:00 a.m. – 12:00 p.m.
Conference Chairs Discussion & Closing Remarks Room 305

MAPS

Algoma University campus, The Alderlea,
Garden Square (Rose Theatre)



Rose Theatre - Garden Square



56 Queen Street

LAND ACKNOWLEDGEMENT

Algoma University acknowledges that its three campuses are located on the traditional, treaty, and inherent lands of Indigenous peoples. Our Sault Ste. Marie campus sits on the territory of the Anishinabek Nation, specifically the Garden River and Batchewana First Nations, within the Robinson-Huron Treaty. The Timmins campus is on Treaty 9 territory, home to the Mushkegowuk Cree and Anishinabek Peoples. The Brampton campus lies within the territory of the Mississaugas of the Credit, the Haudenosaunee, and the Huron-Wendat, under the Dish With One Spoon Wampum, land that is home to the Métis. We are grateful to live, learn, and work on these lands in the spirit of respect, reciprocity, and reconciliation.

SPECIAL MISSION

It is the Special Mission of the University to

- Be a teaching-oriented university that provides programs in liberal arts and sciences and professional programs, primarily at the undergraduate level, with a particular focus on the needs of Northern Ontario; and
- Cultivate cross-cultural learning between Indigenous communities and other communities, in keeping with the history of Algoma University College and its geo graphic site.

LEARN MORE ABOUT OUR COMPUTER SCIENCE PROGRAMS

CONFERENCE ORGANIZING COMMITTEE MEMBERS:

Honourary Chair
Dr. Roger Lee, Central Michigan University, USA

General Chair
Dr. Simon Xu, Algoma University, Canada

Conference Chairs
Dr. Miguel Garcia-Ruiz, Algoma University, Canada
Dr. Wenyin Feng, Trent University, Canada

Conference Industry Track Chair
Mr. Vinay Paramanand, Algoma University, Canada
Dr. Mahreen Nasir, Algoma University, Canada

Program Chairs
Dr. A B M Bodrul Alam, Algoma University, Canada
Dr. Randy Lin, Algoma University, Canada
Dr. Ajmery Sultana, Algoma University, Canada

Registration Chairs
Dr. Randy Lin, Algoma University, Canada
Dr. Ajmery Sultana, Algoma University, Canada

Publicity Chairs
Dr. Faria Khandaker, Algoma University, Canada
Dr. Wenqian Shang, Communication University of China, China
Dr. Kailong Zhang, Northwestern Polytechnical University, China
Dr. Morshed Chowdhury, Deakin University, Australia
Dr. Yukihiro Shintani, Chiba Institute of Technology, Japan
Dr. Mahreen Nasir, Algoma University, Canada

Local Arrangements Chair
Dr. A B M Bodrul Alam, Algoma University, Canada
Dr. Faria Khandaker, Algoma University, Canada

THANK YOU!

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International Conference on Software Engineering,
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