Detailed Conference Program

Day 1: August 29, 2025 (IN PERSON)

Combined Session

Location:	AREC - Conference Hall
Scope:	Opening Ceremony & Keynote Speeches
Time:	09:00-11:30
Join Teams meeting	https://teams.microsoft.com/l/meetup-join/19:meeting_YWY0M2I0MmQtMzViNS00MDY0LWJjNGEtN2MwYzFhYjM4MjVj@thread.v2/0?context=%7B%22Tid%22:%22eb1c9d1a-e6e8-4097-87fe-bb01690935b7%22,%22Oid%22:%22fddfb6fa-4702-44b2-84c5-6393143c496a%22%7D

Teams Meeting ID:
215 944 352 256 9
Passcode:
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Speaker		Time	Topic	Summary
	Dr. Jaafar Alghazo, University of Minnesota, United States	Opening Speech 09:30	**Opening**	About AAIFS, Conference and Statistics
	Dr. Yasin Mamatjan, Thompson Rivers University, Canada	Keynote Speaker 1 09:45	**An Intelligent Agent System for Scalable Health Monitoring**	In the era of digital transformation, the healthcare system needs intelligent and scalable solutions that go beyond traditional health monitoring and embrace proactive, personalized intervention. This keynote presents a unified vision for an Intelligent Agent System for Scalable Health Monitoring: a next-generation platform combining human-centered intelligent agents, explainable AI (XAI), and Large Language Model (LLM), guided chatbots to enable proactive health management at scale. Our research integrates multimodal data like the following: biomedical signals, clinical parameters, early diagnostic tests, and medical images to daily habit tracking to automatically detect high-risk patterns and offer personalized coaching for chronic disease prevention. Centered around diagnoses related to stroke, heart attack, and diabetes, the system uses modular explainable agent architectures to classify disease, predict risk, and give real-time feedback. Each agent incorporates modular architectures that are transparent, adaptive, and interactive, making the system both trustworthy and ready for confident clinical adoption. By using advanced critical-analytics tools alongside AI-driven reasoning, we deliver evidence-backed, interpretable insights and real-time feedback to clinicians and patients. We emphasize software engineering innovations that develop and deploy across mobile, desktop, and cloud platforms. Our design allows for flexible, ethically guided integration into clinical workflows, supporting individualized care beyond the clinic. With intelligent agents acting as always-on health companions, we move toward a future where early intervention is intuitive, scalable, and personal. This talk explores how advances in agent-based system design, multimodal AI, and human-AI collaboration are driving the evolution of scalable, equitable digital health.

Canadian Association for Artificial Intelligence and Future Studies (AAIFS)				
Day 1: August 29, 2025 (IN PERSON)				
Speaker		**Time**	**Topic**	**Summary**
Dr. Nazeeruddin Mohammad, University of Adelaide, Australia	Keynote Speaker 2	10:15	**Revolutionizing Healthcare with Generative AI: Opportunities, Challenges, and the Road Ahead**	Generative AI and Large Language Models (LLMs) are reshaping the landscape of modern healthcare. From enhancing clinical decision-making and accelerating drug discovery to improving patient engagement and administrative efficiency, these technologies offer transformative potential across the healthcare ecosystem. This presentation explores the cutting-edge applications of LLMs and GenAI in healthcare delivery, education, and research. It also addresses the critical cybersecurity, ethical, and regulatory challenges that must be managed to ensure safe and equitable deployment. Finally, the session offers a forward-looking perspective on the role of multimodal AI, hyper-personalized care, and responsible AI development in shaping the future of medicine.
Dr. Afia Raja, University of the Fraser Valley, Canada	Keynote Speaker 3	10:30	**Reimagining the Future: Challenges and Innovations in Sustainable Smart Cities**	As cities worldwide strive for sustainable urban development, smart city ideas based on high density, transit-oriented development, and neo-urbanism have gained traction. Canadian cities has been at the forefront of this movement, embracing these strategies to create more efficient and vibrant urban living. However, new challenges have surfaced parallel to these innovations, including problems related to parking, accessibility for seniors and individuals with disabilities, fire safety, and waste management. This presentation discusses these evolving concerns and examines how artificial intelligence is increasingly being leveraged in urban planning, not only for data management and record keeping, but also for optimizing infrastructure, enhancing service delivery, and shaping the cities of tomorrow.
Dr. Runna, University of North Dakota, United States	Keynote Speaker 4	10:55	**Mental Health Counseling and Artificial Intelligence: Challenges and Opportunities**	In her keynote, Dr. Runna Alghazo addresses the urgent shortage of counseling professionals across the U.S., particularly in underserved and marginalized communities. She explores how Artificial Intelligence (AI) can augment traditional counseling services through tools such as AI-driven chatbots, emotion-aware virtual agents, and virtual reality–based group therapy. Backed by research, the presentation highlights AI's potential to expand access, reduce stigma, and offer personalized support while also examining its ethical limitations. Dr. Alghazo emphasizes the need for interdisciplinary collaboration to ethically integrate AI in counseling, especially in the underutilized field of Rehabilitation Counseling.
Safoora Khosravi, Senior Research Associate, Lux Research, Boston, USA	Industry Talk	11:10	**The Next Frontier of Health Wearables: Empowering Preventative Care and Telehealth**	The consumer health wearables industry is undergoing a major shift, evolving from basic fitness trackers to clinical-grade health tools. With widespread adoption, as approximately 31% of adults in the U.S. own a wearable device, the market is reaching saturation. Companies are struggling to stand out in a landscape where hardware capabilities have largely converged. As a result, the industry is consolidating technologies to create more integrated, service-driven health solutions. This shift marks a new phase where the value lies not just in devices but in empowering individuals with actionable health insights. Capturing this opportunity requires a human-centric approach that aligns with real-world needs and consumer readiness. This session will examine how emerging consumer trends reveal critical unmet needs and innovation gaps in next-generation wearables. It will highlight current limitations and explore how the convergence of advanced sensors, analytics, and digital platforms is unlocking new opportunities in preventative care, digital rehabilitation, and telehealth.
Refreshment Break		**Location: AREC - Atrium**		**11:40 - 12:00**

Canadian Association for Artificial Intelligence and Future Studies (AAIFS)

PARALLEL SESSIONS (IN-PERSON): August 29, 2025

Parallel Session 1

Location	AREC - Conference Hall
Scope/Theme	Healthcare Technology and Biomedical Engineering
Time	12:00-14:00 (29/08/2025)
Join Teams meeting	https://teams.microsoft.com/l/meetup-join/19:meeting_YWY0M2I0MmQtMzViNS00MDY0LWJjNGEtN2MwYzFhYjM4MjVj@thread.v2/0?context=%7B%22Tid%22:%22eb1c9d1a-e6e8-4097-87fe-bb01690935b7%22,%22Oid%22:%22fddfb6fa-4702-44b2-84c5-6393143c496a%22%7D

Teams Meeting ID: 215 944 352 256 9
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#	Paper ID	Time	Mode	Presenter	Article Title	Authors	Session Chair	Evaluation Score	Remarks
1	AH1531	12:00-12:15	In Person	Fujita Watar	In-Situ Evaluation of Wearable Robotic Lumbar Support for Caregivers: A Bayesian Network Analysis Approach	Fujita, Wataru*; Kogami, Tonan; Higuchi, Ai; Shibata, Tomohiro	Dr. Jaafar Alghazo & Dr. Yasin Mamatjan		
2	AH1559	12:15-12:30	In Person	Nisha Puthiyedth	Computational Analysis of Microbiome-SNP relationship in beef cattle	Puthiyedth, Nisha*			
3	AH1517	12:30-12:45	Online	Prachi Patel	Bayesian Hierarchical Mixture Cure Modeling for Survival Analysis in Oncology Trials	PATEL, PRACHI*			
4	AH1551	12:45-13:00	In Person	Prince Manzano	Leveraging Non-Clinical Factors and Machine Learning for Improved Tuberculosis Prediction in Resource-Limited Areas	Baadel, Said*, Prince Manzano			
5	AH1560	13:00-13:15	Online	Aravind Kalusivalingam	An Improved Multimodal AI Framework for Personalized Medicine	Aravind Kalusivalingam			
6	AH1557	13:15-13:30	In Person	Maryam Abou El	Bridging the Health Insurance Gap in Akwa Ibom: A Data-Driven Tableau Assessment of Healthcare Financing Among Informal Sector Households	Maryam Abou El, Baadel, Said*			
7	AH1540	13:30-13:45	Online	Riad BenGhida	Healthcare Pedagogy in Korea: (Re)Thinking Education with XR	Riad, Ben Ghida*			
8	AH1574	13:45-14:00	Online	Richard Kyung	Neurophysiological Effects of Biotite-Infused Mattresses: EEG Evidence of Enhanced Alpha Oscillations and Cognitive Relaxation	Richard Kyung*			

Canadian Association for Artificial Intelligence and Future Studies (AAIFS)

PARALLEL SESSIONS (IN-PERSON): August 29, 2025

Parallel Session 2

Location	AREC - Meeting Room A
Scope/Theme	Smart Cities, and Business Intelligence
Time	12:00-13:45 (29/08/2025)
Join the meeting now	https://teams.microsoft.com/l/meetup-join/19%3ameeting_Yzk4NGMzMzUtZTY1My00YzFkLWI1YjItMjkwOWEyY2UyNDM2%40thread.v2/0?context=%7b%22Tid%22%3a%22eb1c9d1a-e6e8-4097-87fe-bb01690935b7%22%2c%22Oid%22%3a%22fddfb6fa-4702-44b2-84c5-6393143c496a%22%7d

Meeting ID: 225 976 564 907 5
Passcode: kA76vV6i

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#	Paper ID	Time	Mode	Presenter	Article Title	Authors	Session Chair	Evaluation Score	Remarks
9	SB3518	12:00-12:15	In Person	Muhammad Mashhood Arif	Assessing the Role of Green Infrastructure in Fostering Resident Satisfaction within Eco-Centric Smart Cities: A Multidimensional Empirical Analysis	Nida Batool Sheikh, Muhammad Mashhood Arif; Afia Raja; Zubair Ali Raja	Prof. Amir Albadvi & Dr. Arifusalam Shaikh		
10	SB3512	12:15-12:30	In Person	Prof. Jamal Benhra	Prophet and GPT-2 algorithms for Demand Forecasting in Last-Mile Delivery: A Comparative Analysis	JAMAL, BENHRA*; HIBA, MABKHOUT			
11	SB3517	12:30-12:45	Online	Mohammmed-Ali Ejjanfi	Reinforcement learning approach based on Proximal Policy Optimization algorithm for efficient last mile delivery using Smart Lockers	EJJANFI, Mohamed-Ali *; Benhra, Jamal			
12	SB3520	12:45-13:00	In Person	Zubair Raja, Afira Raja	Towards a Sustainable built environment: Exploring Public Support and Demographic Drivers of Urban Densification in the Fraser Valley Canada	Raja, Afia*; Raja, Zubair			
13	SB3528	13:00-13:15	Online	Fatimah Alali, Haya Aldawsari	Comparative Analysis of Industrial SAP Chatbots: RAG-LLM and Cloud-based Approaches	Alali, Fatimah*; Bashar, Abul; Haya Aldawsari, Haya; Mahmood, Sajjad			
14	SB3529	13:15-13:30	Online	Ernesto Manuel Distinto Ufuene	Modeling and Experimental Validation of a Monocrystalline Solar Panel for Digital Twin Applications	Ernesto Manuel Distinto Ufuene			
15	SB3524	13:30-13:45	In Person	Maryam AlMallahi	Ethical Frameworks in Business: Balancing Compliance, Culture, and Corporate Responsibility	Almallahi, Maryam*; Selim, Mohamed; Elgendi, Mahmoud			
16	SB3519	13:45-14:00	Online	Tejas Varma Venkataswamy	Bibliometric and Knowledge Diffusion Analysis of Strategic Management Research: A Retrospective Study	Venkataswamy, Tejas Varma*			

Canadian Association for Artificial Intelligence and Future Studies (AAIFS)

PARALLEL SESSIONS (IN-PERSON): August 29, 2025

Parallel Session 3

Location	AREC - Training Room	SCAN or CLICK on **QR CODE** TO JOIN ONLINE
Scope/Theme	Intelligent Systems and Computational Strategies	
Time	12:00-13:45 (29/08/2025)	

Join the meeting now

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Teams Meeting ID:
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Passcode: ZM6vd2E5

#	Paper ID	Time	Mode	Presenter	Article Title	Authors	Session Chair	Evaluation Score	Remarks
17	AH1570	12:00-12:15	In Person	Ehesan Maimaitijiang	A Multimodal IoT-Driven Assistive Patient Monitoring System for Enhanced Wheelchair Accessibility	Ehesan Maimaitijiang, Shams Khan, Yasin Mamatjan	Dr. Jaspreet Kaur & Dr. Sarfraz Shafiq		
18	IC2543	12:15-12:30	In Person	Nisar Hussain, Amna Qasim, Gull Mehak	A Dual-Stage NLP Pipeline for Alzheimer's Detection Using Word Embeddings and Large Language Models	Hussain, Nisar*; Qasim, Amna; Liaquat, Farhan; MEHAK, GULL; et al.			
19	IC2530	12:30-12:45	Online	Shahabuddin Muhammad	Verifying Multi-Modal Urban Mobility Under Uncertainty: Mode Selection Based on Dynamic Transport Parameters	Muhammad, Shahabuddin; Mohammad, Nazeeruddin*			
20	IC2549	12:45-13:00	In Person	Pooja Verma	Optimized Hybrid Deep Learning Approach for Diabetic Retinopathy Detection from Fundus Images	Pooja Verma*; Jaspreet Kaur			
21	IC2544	13:00-13:15	Online	Ali Abbod	Optimization of YOLOv10 Hyperparameters for Arson Detection	Abbod, Ali*; E. Abdulmunim, Matheel			
22	IC2541	13:15-13:30	In Person	Michael Kyobe	A Model for Digital Forensic Readiness in Security Oper-ation Centres: A South African Study	Kyobe, Michael*; Nkwe, Boitumelo			
23	IC2527	13:30-13:45	Online	Taiba Kausar	Data-Driven Modeling of NACA 0005 Airfoil Using Neural Networks	Kouser, Taiba*			
24	IC2560	13:45-14:00	Online	Aditya Deshpande	From Rules to Networks: A Survey of AI Architectures for Real-Time Payment Fraud Detection	Aditya Vilas Deshpande			

Coffee Break	**Location: AREC – Atrium**	**13:45-14:00**

Canadian Association for Artificial Intelligence and Future Studies (AAIFS)

PARALLEL SESSIONS (IN-PERSON): August 29, 2025

Parallel Session 4

Location	AREC - Conference Hall
Scope/Theme	Healthcare Technology and Biomedical Engineering
Time	14:00-15:45 (29/08/2025)
Join Teams meeting	https://teams.microsoft.com/l/meetup-join/19:meeting_YWY0M2I0MmQtMzViNS00MDY0LWJjNGEtN2MwYzFhYjM4MjVj@thread.v2/0?context=%7B%22Tid%22:%22eb1c9d1a-e6e8-4097-87fe-bb01690935b7%22,%22Oid%22:%22fddfb6fa-4702-44b2-84c5-6393143c496a%22%7D

Teams Meeting ID:
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#	Paper ID	Time	Mode	Presenter	Article Title	Authors	Session Chair	Evaluation Score
25	AH1554	14:00-14:15	In Person	Pradhyuman Nandal	Demographic Disparities and Burnout Among Frontline Healthcare Workers in British Columbia During the COVID-19 Pandemic	Puthiyedth, Nisha*; Nandal, Pradhyuman		
26	AH1541	14:15-14:30	In Person	Yanishka Gahlot	Machine Learning Pipeline Integrating Real-time Multimodal Biosignal Sensor Data for Early Detection of Postpartum Hemorrhage	Baadel, Said*		
27	AH1538	14:30-14:45	Online	Noshin Un Noor	Advancement in Neuroimaging: Automated Identification of Brain Stroke through Machine Learning	Noor, Noshin Un*; Hossain, Mohammad Anwar; Hassan, Mahedi; Sarkar, Shahariar; Nahar, Shamsun; Lifat, Ashik Sarkar	Dr. Nisha Puthiyedth & Dr. Jaafar Alghazo	
28	AH1555	14:45-15:00	In Person	Noori Arora	Integrating Genomics and Environmental Data to Predict Climate-Related Respiratory Risk Using Machine Learning	Arora, Noori; Puthiyedth, Nisha*		
29	AH156	15:00-15:15	Online	Ayisha Tabbassum	AI and Wearable Technology: Monitoring Chronic Conditions in Real-Time	Tabbassum, Ayisha*; Taneja, Rohit		
30	AH1556	15:15-15:30	In Person	Shubham Jangra	Predicting Opioid Overdose Risk in British Columbia: An Interpretable Super-Learner Framework	Puthiyedth, Nisha*; Jangra, Shubham		
31	AH1575	15:30-15:45	Online	Richard Kyung	Structure-Activity Relationships in Fullerene-Based Molecules: A Quantum Chemical Approach to Anti-Inflammatory Nanotherapeutics	Richard Kyung *		

PARALLEL SESSIONS (IN-PERSON): August 29, 2025

Parallel Session 5

Location	AREC - Meeting Room A
Scope/Theme	Smart Cities, and Business Intelligence
Time	14:00-15:45 (29/08/2025)
Join the meeting now	https://teams.microsoft.com/l/meetup-join/19%3ameeting_Yzk4NGMzMzUtZTY1My00YzFkLWI1YjltMjkwOWEyY2UyNDM2%40thread.v2/0?context=%7b%22Tid%22%3a%22eb1c9d1a-e6e8-4097-87fe-bb01690935b7%22%2c%22Oid%22%3a%22fddfb6fa-4702-44b2-84c5-6393143c496a%22%7d

Meeting ID:
225 976 564 907 5
Passcode:
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#	Paper ID	Time	Mode	Presenter	Article Title	Authors	Session Chair	Evaluation Score	Remarks
32	SB3516	14:00-14:15	In Person	Kadim Lahcen Nadime	Integrating Smart Contracts for Secure Routing, Enhanced Traceability, and Security in Pharmaceutical Deliveries	Nadime, Kadim Lahcen*; Mouatassim, Salma; Benabbou, Rajaa; Benhra, Jamal	Dr. Zubair Raja & Dr. Ali		
33	SB358	14:15-14:30	Online	Dr. Mohammad A Khan	Partial energy harvesting study of solar energy in a microworld by artificial illumination	Khan, Mohammad*; Maricle, Brian ; Franzel, Zachary; Gransden, Gabe; Vannette5 , Matthew			
34	SB3531	14:30-14:45	Online	Indumathi Sivanesan, Bhanu Ranjan, Simon Bernie	Artificial Intelligence and Anxiety: The Human Price of Adapting to a Smarter Workplace	Indumathi Sivanesan, Bhanu Ranjan, Simon Bernie			
35	SB3534	14:45-15:00	In Person	Arifusalam Shaikh	From Dependencies to Resilience: A Complex Network Approach to Urban Socio-Economic Systems	Arifusalam Shaikh, Amir Amir Albadvi, Neil Penullar			
36	SB3532	15:00-15:15	Online	Tejas Varma Venkataswamy	Bibliometric and Knowledge Diffusion Analysis of Strategic Management Research: A Retrospective Study	Venkataswamy, Tejas Varma*			
37	SB3514	15:15-15:30	In Person	Rufaro N Mundangepfupfu	Shaping Tomorrow's Cities: The Sustainable Potential of Micromobility	Mundangepfupfu, Rufaro*			
38	SB352	09:45-10:00	Online	Vinaykumar Chitukoori	Interpretable Neural Networks: Bridging Generalized Additive Models and Deep Learning for Enhanced Transparency and Flexibility	Vinaykumar Chitukoori *			

Canadian Association for Artificial Intelligence and Future Studies (AAIFS)

PARALLEL SESSIONS (IN-PERSON): August 29, 2025

Parallel Session 6

Location	AREC - Training Room
Scope/Theme	Intelligent Systems and Computational Strategies
Time	14:00-15:45 (29/08/2025)
Join the meeting now	https://teams.microsoft.com/l/meetup-join/19%3ameeting_M2JlODU5OGEtMWUyOC00ZGRmLWI2NDMtNWY3MjIxMTZjZWY0%40thread.v2/0?context=%7b%22Tid%22%3a%22eb1c9d1a-e6e8-4097-87fe-bb01690935b7%22%2c%22Oid%22%3a%22fddfb6fa-4702-44b2-84c5-6393143c496a%22%7d

Teams Meeting ID: 278 097 638 079 7
Passcode: ZM6vd2E5

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#	Paper ID	Time	Mode	Presenter	Article Title	Authors	Session Chair	Evaluation Score	Remarks
39	IC2533	14:00-14:15	In Person	Gursahib Singh	Generative AI based Privacy-Preserving NextGen Student Support and Mental Health Navigation System	Gursahib Singh *, Jaspreet Kaur	Dr. Mashhood Arif & Aravind Kumar		
40	IC2528	14:15-14:30	In Person	Manvir Kaur	Calibrated Source-Aware Stacking Ensemble for Early Diabetes Risk Prediction Across Diverse Medical Datasets	Manvir Kaur*, Jaspreet Kaur			
41	IC2546	14:30-14:45	Online	Ahmed Al Sammarraie	Q-FOX Learning: Breaking Tradition in Reinforcement Learning	A. Jumaah, Mahmood *; Ali, Yossra H.; Rashid, Tarik A.			
42	IC2548	14:45-15:00	Online	Fernando Ferrufino, Carlos Avila	Real-Time Detection and Mitigation of WiFi Jamming in IoT Networks	AIGHOBAHI, ANTHONY*; Ferrufino , Fernando ; Avila, Carlos			
43	IC2547	15:00-15:15	Online	Yousef Dahmash	In-Vehicle Distraction Detection System for Driver Behavior Assessment Using Light-Weight CNN Model	Dahmash, Yousef; LAMAAZI, Hanane*			
45	IC2545	15:15-15:30	Online	Hayder AlHasni	Detection of fake accounts promoting Cyber threats	AlHasni, Hayder*; A. k. Albermany, Salah			
44	IC2536	15:30-15:45	Online	Zafar Abbas Kazimi	An advanced surveillance system to detect robbery in a smart city using machine learning	Zafar Abbas Kazimi, D.N.F Awang Iskandar, Mohammed Zikria			

Awards and Closing Ceremony Day 1 (in Person)	**Location: AREC - Conference Hall**	0:3:45-04:00

Gala Dinner	**Location: AREC - Atrium**	**04:00-4:45**

Canadian Association for Artificial Intelligence and Future Studies (AAIFS)

Day 2: August 30, 2025 (ONLINE ONLY)

Parallel Session 7

Location	**ONLINE ONLY**
Scope/Theme	Healthcare Technology and Biomedical Engineering
Time	09:00-11:00 (30/08/2025)
Join Teams meeting	https://teams.microsoft.com/l/meetup-join/19:meeting_YWY0M2I0MmQtMzViNS00MDY0LWJjNGEtN2MwYzFhYjM4MjVj@thread.v2/0?context=%7B%22Tid%22:%22eb1c9d1a-e6e8-4097-87fe-bb01690935b7%22,%22Oid%22:%22fddfb6fa-4702-44b2-84c5-6393143c496a%22%7D

Teams Meeting ID: 215 944 352 256 9
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#	Paper ID	Time	Mode	Presenter	Article Title	Authors	Session Chair	Evaluation Score
46	AH1529	09:00-09:15	Online	Romenia Silva	A Real-Time Spiral Drawing Analysis System for Parkinson's Disease and Essential Tremor Detection via Sensor and AI Integration	Silva, Romenia*; Kandeepan, Sivayini; Fernando, Chenura; Maduranga, Madhawa	Dr. Munima Jahan & Dr. Jaafar Alghazo	
47	AH1545	09:15-09:30	Online	Md. Ashiq Ul Islam Sajid	MedViT-HoVer++(ViT): A Unified Transformer-Guided Framework for Multitask Nucleus Segmentation, Classification, and Count Regression in Histopathology Images	Sajid, Md.Ashiq Ul Islam; Sakib, Md*; mohammed , din; Morol, Md Kishor ; Choya, Sumaya Binte Zilani		
47	AH1528	09:30-09:45	Online	Camilo Valderrama Cuadros	Evaluating the Impact of Demographic Factors on Subject-Independent EEG-Based Emotion Recognition Approaches	Douglas, Nathan Douglas; Oosterhuis, Maximilien ; Valderrama Cuadros, Camilo*		
48	AH1552	09:45-10:00	Online	Bandanawaz Mulla	Cloud-Based Compliance Architectures: Transforming Healthcare Data Systems	Mulla, Bandanawaz*		
49	AH1576	10:00-10:15	Online	Richard Kyung	Chelation Stability and Radical Scavenging Activity of Flavonoid Antioxidants: Predicting Bioactivity Through Quantum Chemical Descriptors	Richard Kyung*		
50	AH1537	10:15-10:30	Online	Riad BenGhida	Digital Therapeutics in South Korea: Applications, Challenges, and Future Directions	Riad, Ben Ghida*		
51	AH1523	10:30-10:45	Online	Touhid Alam	Uncovering Latent Patterns in Social Media Usage and Mental Health: A Clustering-Based Approach Using Unsupervised Machine Learning	Alam, Touhid*; Mahmood, Mohammad Sakib; Shahria, Md All ; Mithila, Sanjeda Dewan; Khatun, Mahfuza		
52	AH1553	10:45-11:00	Online	Fatma Zohra Besmi	QRS Detection in ECG Signals Utilizing A Partially Homomorphic Encryption Technique-Modified RSA Algorithm	Besmi, Fatma zohra*; Belkacem, Samia ; Messaoudi, Noureddine		

Canadian Association for Artificial Intelligence and Future Studies (AAIFS)

Day 2: August 30, 2025 (ONLINE ONLY)

Parallel Session 8

Location	**ONLINE ONLY**
Scope/Theme	Intelligent Systems and Computational Strategies
Time	09:00-11:00 (30/08/2025)
Join the meeting now	https://teams.microsoft.com/l/meetup-join/19%3ameeting_M2JlODU5OGEtMWUyOC00ZGRmLWI2NDMtNWY3MjIxMTZjZWY0%40thread.v2/0?context=%7b%22Tid%22%3a%22eb1c9d1a-e6e8-4097-87fe-bb01690935b7%22%2c%22Oid%22%3a%22fddfb6fa-4702-44b2-84c5-6393143c496a%22%7d

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Passcode: ZM6vd2E5

#	Paper ID	Time	Mode	Presenter	Article Title	Authors	Session Chair	Evaluation Score	Remarks
53	IC2557	09:00-09:15	Online	Emmanuel Ahatsi	Resilience in Humanitarian Supply Chains: Targeted Applications of AI-Driven Big Data Analytics	Emmanuel Ahatsi, Oludolapo Olanrewaju	Dr. Sarfraz Shafiq & Dr. Ali		
54	IC2525	09:15-09:30	Online	Prashanth Chevva	SmartSnake: A Modular Platform for Smart Control Synthesis	Prashanth Chevva			
55	IC2534	09:30-09:45	Online	Iris Ann G. Martinez	Smart Inventory for Small Parts: Advancing SME Production with Intuitive Weight-based Automation	Iris Ann Martinez, Ralen Rose Gloria Improso			
56	SB352	09:45-10:00	Online	Vinaykumar Chitukoori	Interpretable Neural Networks: Bridging Generalized Additive Models and Deep Learning for Enhanced Transparency and Flexibility	Vinaykumar Chitukoori *			
57	IC2556	10:00-10:15	Online	Hayder AlHasni	Survey: Detection of Fake Accounts on Social Media or Bot Fake Account Social Media	Hayder AlHasni, Salah A. k. Albermany			
58	IC254	10:15-10:30	Online	Youssef Mathouri	Early detection of mental illnesses: Analysis of questionnaire and social media data to identify early signs of depression and anxiety	Youssef Mathouri			
59	IC2526	10:30-10:45	Online	Alok Singh Chauhan	Emotion Detection model using Deep Learning	Rakesh Kumar, Alok Singh Chauhan, Neha kumari, Prakash kumar			
60	IC251	10:45-11:00	Online	Srikar Molahalli	Beyond Relational: Leveraging Graph Databases for Efficient Real-time Data Processing	Kartik Talati, Siddhant Bhat, Srikar Molahalli			

Canadian Association for Artificial Intelligence and Future Studies (AAIFS)

Day 2: August 30, 2025 (ONLINE ONLY)

Parallel Session 9

Location	**ONLINE ONLY**
Scope/Theme	Healthcare Technology and Biomedical Engineering
Time	11:00-13:00　(30/08/2025)
Join Teams meeting	https://teams.microsoft.com/l/meetup-join/19:meeting_YWY0M2I0MmQtMzViNS00MDY0LWJjNGEtN2MwYzFhYjM4MjVj@thread.v2/0?context=%7B%22Tid%22:%22eb1c9d1a-e6e8-4097-87fe-bb01690935b7%22,%22Oid%22:%22fddfb6fa-4702-44b2-84c5-6393143c496a%22%7D

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#	Paper ID	Time	Mode	Presenter	Article Title	Authors	Session Chair	Evaluation Score
61	AH1563	11:00-11:15	Online	Mahmoud Soliman	MedDChest: A Content-Aware Multimodal Foundational Vision Model for Thoracic Imaging	Soliman, Mahmoud*; Osman, Islam; S. Shehata, Mohamed; Rajapakshe, Rasika	Dr. Mohsin Butt & Dr. SM Bakre	
62	AH159	11:15-11:30	Online	Prachi Patel	Enhancing Diabetes Prediction through Ensemble Machine Learning Models on Survey-Based and Clinical Data	PATEL, PRACHI*		
63	AH1543	11:30-11:45	Online	Riad BenGhida	AI in Clinical Practice: Examining the Role of LLMs in Medical Decision-Making	Riad, Ben Ghida*		
64	AH1535	11:45-12:00	Online	Rola Al-Mallah	Toward Improved ICU Care - Phlebotomy Frequency Using Deep Learning	Al-Mallah, Rola*; Quintero, Alejandro		
65	AH157	12:00-12:15	Online	Ayisha Tabbassum	AI in Mental Health: Advancing Diagnostics and Therapy	Tabbassum, Ayisha*; Taneja, Rohit		
66	AH1558	12:15-12:30	Online	Samara Acosta-Jiménez	Interpretable Deep Learning for Breast Lesion Classification: A SHAP-Based Comparison of CESM and Digital Mammography	Acosta-Jiménez, Samara; Mendoza-Mendoza, Miguel M.; Galván-Tejada, et al.		
67	AH1562	12:30-12:45	Online	Aravind Kalusivalingam	Ensemble Modeling of the MIMIC-III Dataset to Improve Early Detection of Critical Health Conditions	Aravind Kalusivalingam		
68	SB3525	12:45-13:00	Online	Hari Prasath Jothiswaran	Impact of Digital Infrastructure on Supply Chain Robustness: The Mediating Role of Risk Mitigation	Hari Prasath Jothiswaran		
69	AH1549	13:00-13:15	Online	Sheeraz Akram	Towards Transparent Mental Health Insights: An Explainable AI Model for Career-Related Depression and Anxiety Among University Students Using Structured Data	Azam, Arsham*; Ali, Rasikh; Farhat, Tayyaba; Akram, Sheeraz		

Canadian Association for Artificial Intelligence and Future Studies (AAIFS)

Day 2: August 30, 2025 (ONLINE ONLY)

Parallel Session 10

Location	
Scope/Theme	**ONLINE ONLY**
	Healthcare Technology and Biomedical Engineering
Time	11:00-13:00 (30/08/2025)
Join the meeting now	https://teams.microsoft.com/l/meetup-join/19%3ameeting_M2JlODU5OGEtMWUyOC00ZGRmLWI2NDMtNWY3MjIxMTZjZWY0%40thread.v2/0?context=%7b%22Tid%22%3a%22eb1c9d1a-e6e8-4097-87fe-bb01690935b7%22%2c%22Oid%22%3a%22fddfb6fa-4702-44b2-84c5-6393143c496a%22%7d

Teams Meeting ID: 278 097 638 079 7
Passcode: ZM6vd2E5

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#	Paper ID	Time	Mode	Presenter	Article Title	Authors	Session Chair	Evaluation Score	Remarks
70	AH1530	11:00-11:15	Online	A. Shameema Joonoos	Developing a Model for Chronic Kidney Disease Identification and Prediction using Advanced Urinary Biomarkers	A. Shameema Joonoos*; De Silva, Nadeeka; Pitigala, Sachintha; Fernando, Chenura; Perera, Shalindri	Dr. Nazeeruddin Mohammad & Shikha Duttyal		
71	AH155	11:15-11:30	Online	Ayisha Tabbassum	AI-Driven Diagnostic and Treatment Plans Leveraging Multi-Cloud Infrastructure	Tabbassum, Ayisha*			
72	AH1561	11:30-11:45	Online	Aravind Kalusivalingam	Multimodal Deep Learning for Early Detection of Lung, Breast, and Skin Cancer	Aravind Kalusivalingam			
73	AH1544	11:45-12:00	Online	Nurin Syahrain binti Hj Hussin	Critical Review: AI Systems for Medical Applications and Implementation	binti Hj Hussin, Nurin *; Raj, Veena; bin Pg Hj Abas, Emeroylariffion; et al.			
74	AH1546	12:00-12:15	Online	Asadi Srinivasulu	Enhancing COVID-19 Diagnosis: Leveraging GAN-Based Image Augmentation and Deep Learning for Improved Chest X-ray Classification	Anupam Agrawal, Asadi Srinivasulu, Ekeshwar Aditya, Shreya Bharti			
75	AH1571	12:15-12:30	Online	Jamil Reza	Human-Guided AI Agent Framework Utilizing Conversational Guardrails in Clinical Settings	Jamil Reza, Yasin Mamatjan			
76	AH1510	12:30-12:45	Online	Swati Singh	Trends in Machine Learning Research on Children's Mental Health and Online Gaming Disorder: A Bibliometric Perspective	Swati Singh			
77	IC2528	12:45-13:00	Online	Hassan Mushtaq	Smart Grid-Integrated Optimization of Renewable Energy Vectors for a University and Medical Town: A Simulation-Based Study	Mushtaq, Hassan*			