

Conference schedule

Programme

Programme overview can be found [here](#).

All days

Wed 3 Sept

Thu 4 Sept

Fri 5 Sept

Day 1: Wednesday 3rd September

09:00 – 09:30 Registration

09:30 – 10:30 Session EC1: Evolutionary

Computing		📍 B55
09:30	Intelligent Optimisation of Heat Treatment Strategies for Additively Manufactured Maraging Steel Neil Urquhart, Kyriakos Kourousis and Efsthios Tingas	
09:50	Class Incremental Learning for Algorithm Selection in Continuous Optimisation Mate Nemeth, Emma Hart, Kevin Sim and Quentin Renau	
10:10	Selection of Automatically Designed Heuristics for the Container Relocation Problem Marko Đurasević, Mateja Đumić and Francisco Javier Gil Gala	
10:30 – 11:00 Coffee break		📍 Apex
11:00 – 12:30 Session LLM: Large Language Models		📍 B55
11:00	Jailbreaking LLMs Through Tense Manipulation in Multi-Turn Dialogues Michael Tchuindjang, Nathan Duran, Phil Legg and Faiza Medjek	🖥️ Online
11:20	Enhanced Large Language Models (GPT-3.5 Turbo) For Depression Detection in Social Media Data Ken McGarry and Ephraim Tsike	
11:40	Large Language Model approaches to Educational Video Generation using Manim Ravidu Suien Rammuni Silva, Ahmad Lotfi, Isibor	

	Kennedy Ihianle, Golnaz Shahtahmassebi and Jordan J. Bird
12:00	LLMs in Coding and their Impact on the Commercial Software Engineering Landscape Vladislav Belozarov, Peter Barclay and Ashkan Sami
12:10	Hallucination Detection Techniques in Large Language Models: A Comparative Analysis of Post-Processing and Non-Post-Processing Approaches Mohammed Salih, Yip, Hadjipantelis, Goldingay
12:30 – 13:30 Lunch  Apex	
13:30 – 14:30 Keynote  B55	
13:30	Search Trajectories Illuminated Prof. Gabriela Ochoa
14:30 – 15:30 Session CV: Computer Vision  B55	
14:30	VoyagerVision: Investigating the Role of Multi-modal Information for Open-ended Learning Systems Ethan Smyth and Alessandro Suglia
14:50	Towards a Dynamic Shapley Value-Based Evaluations for Autonomous Robotic Learning from Videos Xiang Chang, Fei Chao, Nigel Copner, Changjing Shang and Qiang Shen

15:10	Optimal Pre-training for Vision Transformers in Medical Image Classification Han, De Wilde, Santopietro	
15:30 – 16:00 Coffee break		📍 Apex
16:00 – 17:20 Session AI-ML-1: AI & Machine Learning		📍 B55
16:00	Designing and Evaluating Interactive Narratives with Generative AI: LLM-Driven NPCs for a Minecraft Murder Mystery Jiangao Ma, Junlin Wu, Hanjing Wang, Shengyu Lu, Yi Ding, Ruotong Peng, Cheng Peng, Yusheng He, Ruoxuan Liu, Yifan Zheng, Lin Sun and Oliver Lemon	
16:20	Comparative Study of One-Way Mentor-Mentee Matching Algorithms Under Varying Constraint Complexities Daniel O'Driscoll and Jing Hua Ye	
16:40	NPC-Bench: a benchmark dataset for immersion and safety of generative AI for non-player characters Gilligan, Smyth, Xuan, Hong, Xie, Stobie, Lemon	
17:00	Sex and age determination in European lobsters using AI-Enhanced bioacoustics Feliciano Domingos, Pedro Machado and Ahmad Lotfi	
17:10	Explainable Machine Learning for Predicting Maritime Fuel Consumption and CO ₂ Emissions with Minimized Computational Cost Konstantinos Zervoudakis and Stelios Tsafarakis	
17:30 Welcome Reception		📍 Apex

Day 2: Thursday 4th September

09:00 – 10:20 Session EC2: Evolutionary Computing

📍 B55

09:00 A Genetic Improvement Parameter Benchmark: rand_malloc.c
W B Langdon

09:10 Towards Adversarial Policy Discovery via Evolutionary Program Synthesis
Fraser Garrow, Michael Lones and Robert Stewart

09:20 GenGPLight: A Generalized Genetic Programming Framework for Traffic Signal Control in Arbitrary Intersection Structures
Sahar Kianian and Edward Keedwell

09:40 Optimisation of Aircraft Maintenance Schedules
Neil Urquhart, Amir Rahimi and Efstathios-Al Tingas

10:00 Grid-Based Random Walk Crossover for Genetic Algorithms
Chi Ho Chan, Kevin Sim, Peter Chapman and Ben Paechter

10:30 – 11:00 Coffee break

📍 Apex

11:00 – 12:10 Session AI-ML-2: AI & Machine Learning

📍 B55

11:00 Machine Learning-Based Classification of Open Carry and Concealed Dangerous Object Using mmWave Radar Data Features

	Ogonna Okafor, David Adama and Doratha Vinkemeier	
11:20	Cat & Mouse – Can Fake Text Generation outpace Detector Systems? Peter Barclay and Andrea McGlinchey	
11:30	Fuzzy Regular Expressions and Fuzzy Concepts in the Identification of Suspicious Domain Names Trevor Martin	
11:50	Bearded Dragon Activity Recognition Pipeline: An AI-Based Approach to Behavioural Monitoring Arsen Yermukan, Pedro Machado, Isibor Kennedy Ihianle, Jordan J. Bird, Stefano S. K. Kaburu and Samantha J. Ward	
12:30 – 13:30 Lunch		📍 Apex
13:30 – 14:30 Keynote		📍 B55
13:30	reSHAPEing AI innovation: How Social Sciences, Humanities and the Arts are critical to developing truly human-centered AI Prof. Ewa Luger	
14:30 – 15:30 Session EE: Education & Engagement		📍 B55
14:30	Creating an Effective Methodology for End-User Engagement in AI Auditing Emily O'Hara, Kathryn Simpson and Eva Fringi	
14:40	Developing an AI Makaton Tool for Inclusive Secondary Education: Implementation and	

	Evaluation Omotayo Omoyemi
14:50	Diversifying Understandings of AI Literacy: A Global South Perspective from Vietnam Education Vanessa Cui, Trang Thi Thu Nguyen, Jordan Bird, Hien Nguyen Van, Nam Nguyen Hoai, Vuong Le Quang, Linh Do Thuy, Luong Tran Thi Tuyet, Louise Wheatcroft, Muhammad Arifur Rahman and David J. Brown
15:10	Explainable Optimized Machine Learning for Predicting Customer Churn Konstantinos Zervoudakis and Stelios Tsafarakis
15:20	LLMs for LLMs: A Structured Prompting Methodology for Long Legal Documents Strahinja Klem and Noura Al Moubayed
15:30 – 16:00 Coffee break  Apex	
16:00 – 17:20 Session AI-ML-3: AI & Machine Learning  B55	
16:00	A Comparative Study: Reasoning with Small T5-Based Models on Abstract Reasoning Corpus (ARC) Rehab Hamdi and Spyros Samothrakis
16:20	A Comparative Analysis of Transformer Models in Social Bot Detection Veit, Lones
16:40	Assessing Forward and Backward Propagation of Rewards in Q-Learning Kabir Olawore, Yaxin Bi

17:00	Meta-Learning with Dual-Branch Fusion Transformer for Hyperspectral Image Super-Resolution Chanyue Wu, Dong Wang, Changjing Shang and Qiang Shen	
17:30 – 18:00 Business Meeting		📍 Online
19:00 Conference Dinner		📍 Bruntsfield Hotel

Day 3: Friday 5th September

09:00 – 10:30 Session EC3: Evolutionary Computing		📍 B55
09:00	A Comparison of a Hyper-heuristic and an EA on the Portfolio Optimisation Problem Rahul Soni, Matthew Craven and David Walker	📺 Online
09:10	Learning Parameterizable Decoders with Cartesian Genetic Programming Jörg Bremer and Sebastian Lehnhoff	
09:30	The Solution of Ordinary Differential Equations using Genetic Programming with Constant Tuning Peter Rockett	
09:50	Artificial Immune System Approaches to Classify Ambiguous Data on Device Quality Rachana Patel, Yonghan Zhang, Robert L. Nicol, Dongdong Chen and Wei Pang	

10:10	Variable Importance Estimation for High-Dimensional Optimisation Kelly Hunter, Sarah Thomson and Emma Hart	
10:30 – 11:00 Coffee break		📍 Apex
11:00 – 12:20 Session RL: Real World Applications		📍 B55
11:00	Anomalous Sound Detection based on Graph Neural Networks for Forest Preservation Zied Mnasri and Thierry Bouwmans	
11:20	Using Mixture Models to Characterize the Process Durations of Daily Living Eman Shaikh, Bryan Scotney, Sally McClean, Zeeshan Tariq and Nazeeruddin Mohammad	
11:40	A Comparative Study Using Transfer Learning and Federated Learning to Detect Sign Language Scott Geaney and Jing Hua Ye	
12:00	Scalable and Accurate Document Dispatcher for Planning Applications Aneesh Krishnaraj Nejikar, Stefan Siegert and Fabrizio Costa	
12:30 – 13:30 Lunch		📍 Apex
13:30 – 14:30 Keynote		📍 B55
13:30	Crowd-sourced insights into models of crowds Prof. Martyn Amos	
14:30	15:30 Session RL: Real World Applications	

		📍 B55
14:30	Improving Cooperation in Collaborative Embodied AI Hima Jacob Leven Suprabha, Laxmi Laxminarayan Nagesh, Oliver Lemon, Alvin Reuben Amal Selvaster, Ajith Nair, Vishal Sonar, Venkataramireddy Marella, Ayan Khan, Alessandro Suglia, Sreenithi Saravanaperumal, Titouan Puech, Raghuram Damarla and Sanju Hannah Samuel	
14:50	Parameter-Tuned Virtual Model Control for Quadruped Robot Haiying Yuan, Keng Goh, Peter Andras and Wenguang Luo	
15:10	OHMS-NetSim: Enabling Obstacle-Aware Network-Physics Co-Simulation for Outdoor Multi-Robot Applications Kalhan Boralessa, David Adama, Ahmad Lotfi and Joao Filipe Ferreira	
15:30 – 16:00 Coffee break		📍 Apex
16:00 – 16:40 Session ML: Machine Learning		📍 B55
16:00	A Dual-Branch Super-Deep MambaPlusResGCN for Node Classification: Achieving Robustness Against Over-Smoothing Anxue Zheng, Wei Pang and Chengjia Wang	🖥️ Online

16:20

Causal ML for fair energy policy interventions:
estimating impact heterogeneity of insulation
programs via do-calculus
Bernardino D'Amico



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Contact Us

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