

Programme

Wednesday 19 May

2:00PM–2:20PM · Stage

Welcome and Introduction

Professor Ann Copestake, Head of Department, will welcome the attendees

2:20PM–2:40PM · Stage

Dr Andreas Vlachos

Keynote talk: Fact-checking as a conversation

2:40PM–3:00PM · Stage

Dr Dong Ma

Keynote talk: OESense: Employing Occlusion Effect for In-ear Human Sensing

3:00PM–3:15PM · Stage

Seng Ah (Michelle) Lee

Context-conscious algorithmic fairness in machine learning

3:15PM–3:30PM · Stage

Aamir Mustafa

Image-to-Image Translation Using Less Data and Perceptual Loss Function

3:30PM–3:45PM · Stage

Tea break

3:45PM–4:00PM · Stage

Param Hanji

Inverse problems in graphics and vision

4:00PM–4:15PM · Stage

Dmitry Kazhdan

Concept-based Explanation Approaches for Deep Neural Networks

4:15PM–4:30PM · Stage

Eric Meissner

Building Better, More Fair AI Systems with AutoAI

4:30PM–4:45PM · Stage

Diana Robinson

Probabilistic Modelling of Postoperative Bleeding Decisions

4:45PM–5:00PM · Stage

Sami Alabed

Role of Computer Systems Probabilistic Graphical Models in Optimization

5:00PM–5:45PM · Sessions

- Human-Centred Computing theme meeting
- Security theme meeting
- Algorithms and Complexity theme meeting

5:45PM–6:00PM · Stage

End of day 1

See you tomorrow

Thursday 20 May

9:00AM–9:15AM · Stage

Dr Amanda Prorok

Keynote talk

9:15AM–9:30AM · Stage

Dr Jamie Vicary

Keynote talk

9:30AM–9:45AM · Stage

Andi Zhang

Uncertainty and Out-of-Distribution (OOD) detection

9:45AM–10:00AM · Stage

Andrei Paleyes

Data Oriented Architectures for Deploying Machine Learning

10:00AM–10:15AM · Stage

Junwei Yang

Multi-Contrast MRI Synthesis and Diagnosis

10:15AM–10:30AM · Stage

Chelsea Edmonds

Formal Proof Techniques for Combinatorial Structures in Isabelle/HOL

10:30AM–10:45AM · Stage

Dimitrije Erdeljan

10:45AM–11:00AM · Stage

Break

11:00AM–11:15AM · Stage

Indigo Orton

Concurrency optimisation via dynamic analysis

11:15AM–11:30AM · Stage

Faustyna Krawiec

Efficient Automatic Differentiation in Functional Programming Languages

11:30AM–11:45AM · Stage
Alexander Rice
Semistrictness for higher categories

11:45AM–12:00PM · Stage
Angus Hammond

12:00PM–12:15PM · Stage
Derek Sorensen

12:15PM–12:30PM · Stage
Daniel Hugenroth
Strong Metadata-Privacy for Mobile Devices and Group Communication

12:30PM–1:15PM · Stage
Lunch

1:15PM–2:15PM · Sessions

- Computer Architectures theme meetings
- Graphics, Vision and Imaging theme meeting
- Mobile Systems, Robotics and Automation theme meeting
- Natural Language Processing theme meeting

2:15PM–2:30PM · Stage
Christine De Kock
Towards understanding constructive disagreements online

2:30PM–2:45PM · Stage
Georgi Karadzhov
DEliBots - Deliberation Enhancing Bots

2:45PM–3:00PM · Stage
Sian Gooding
Textual Complexity is in the Eye of the Beholder

3:00PM–3:15PM · Stage
Wen Hoi Gladys Tyen
Chatbots for language learning

3:15PM–3:30PM · Stage
Tea break

3:30PM–3:45PM · Stage

Ran Zmigrod

Decoding and Inference in Graph-based Dependency Parsing

3:45PM–4:00PM · Stage

Ramon Viñas Torné

Learning the generating mechanisms of multi-omics data

4:00PM–4:15PM · Stage

Dimitrios Los

Balanced Allocations with Incomplete Information: The Power of Two Queries

4:15PM–4:30PM · Stage

Felipe Ferreira Santos

Lower Bounds on Space Constrained Computational Models

4:30PM–4:45PM · Stage

Erika Bondareva

Segmentation-free Heart Murmur Detection Using Deep Learning

4:45PM–5:00PM · Stage

Filip Svoboda

Learned Communication in FL

5:00PM–5:10PM · Stage

End day 2

See you tomorrow

Friday 21 May

9:15AM–9:30AM · Stage

Dhruv Makwana

Translation Validation for Optimised Binaries

9:30AM–9:45AM · Stage

Chi Ian Tang

Improving Human Activity Recognition through Self-training with Unlabelled Data

9:45AM–10:00AM · Stage

Smita Vijaya Kumar

Packing Compute Resources using Decentralized Schedulers for Effective Cloud Scale Scheduling

10:00AM–10:15AM · Stage

Vadim Safronov

Towards distributed and protocol-independent IoT interoperation in smart spaces

10:15AM–10:30AM · Stage

Jack Hughes

Using machine learning and big data approaches to understand the role of gaming within cybercrime pathways on underground discussion platforms

10:45AM–11:15AM · Stage

Tea break

11:15AM–11:30AM · Stage

Felix Opolka

Bayesian Link Prediction with Deep Graph Convolutional Gaussian Processes

11:30AM–11:45AM · Stage

Ryan Kortvelesy

A Modular Graph Neural Network Framework

11:45AM–12:00PM · Stage

Cristian Bodnar

Topological Representation Learning

12:00PM–12:15PM · Stage

Edgaras Liberis

Deep learning in resource-constrained environments

12:15PM–12:30PM · Stage

Tiago Pimentel Martins Da Silva

An Informative Exploration of the Lexicon

12:30PM–1:30PM · Stage

Lunch

1:30PM–2:30PM · Sessions

- Machine learning and Artificial Intelligence theme meeting
- Programming Languages, Semantics and Verification theme meeting
- Systems and Networking theme meeting

2:30PM–2:45PM · Stage

Yuxiao (Sean) Ye

Argument Mining with Real-world text

2:45PM–3:00PM · Stage

Dan Andrei Iliescu

Representing Grouped Data

3:00PM–3:15PM · Stage

Josef Valvoda

Robust Legal Reasoning

3:15PM–3:30PM · Stage

Paris Flood

Practical Minimal Description Lengths of Neural Networks

3:30PM–3:45PM · Stage

Mahwish Arif

Cinnamon: A Domain-Specific Language for Binary Profiling and Monitoring

3:45PM–4:00PM · Stage

Mahwish Arif

Let's talk girls - About the Women@CL initiative

4:00PM–4:15PM · Stage

Tea break

4:15PM–5:15PM · Networking

Happy hour chat

Chat roulette: grab a glass of something wet and join our research students for a random chat with someone interesting

5:15PM–5:25PM · Stage

End day 3

Thank you and good night