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
Computer Science and Technology                                             19-21 May 2021
Research Students' Symposium

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