

SICSA DVF Report by Esra Erdem

November 10, 2019

I visited University of Edinburgh during October 2—31, 2019, as a SICSA DVF professor. My host was Prof. Subramanian Ramamoorthy.

As part of my visit, I gave the following invited talks:

- Hybrid Reasoning for Robotics using Answer Set Programming
University of Edinburgh, 03/10/2019, 1:00 pm - 2:00 pm
(Host: Prof. Subramanian Ramamoorthy)
<https://www.sicsa.ac.uk/events/sicsa-dvf-professor-esra-erdem-hybrid-reasoning-for-robotics-using-answer-set-programming/>
- Human Robot Collaborative Assembly Planning under Uncertainty
Heriot Watt University, 07/10/2019, 11:00 am - 12:00 pm
(Host: Prof. Ron Petrick)
<https://www.sicsa.ac.uk/events/sicsa-dvf-professor-esra-erdem-human-robot-collaborative-assembly-planning-under-uncertainty/>
- A Declarative Method for Dynamic Multi-Agent Path Finding
University of St Andrews, 09/10/2019, 11:00 am - 12:00 pm
(Host: Prof. Özgür Akgün)
<https://www.sicsa.ac.uk/events/sicsa-dvf-professor-esra-erdem-a-declarative-method-for-dynamic-multi-agent-path-finding/>
- Generalized Multi-Agent Pathfinding with Feasibility Checks
University of Glasgow, 14/10/2019, 2:00 pm - 3:00 pm
(Host: Prof. Mary Ellen Foster)
<https://www.sicsa.ac.uk/events/sicsa-dvf-professor-esra-erdem-generalized-multi-agent-pathfinding-with-feasibility-checks/>

- A General Framework for Stable Roommate Problems
University of Glasgow, 15/10/2019, 1:00 pm - 2:00 pm
(Host: Prof. David Manlove)

<https://www.sicsa.ac.uk/events/sicsa-dvf-professor-esra-erdem-a-general-framework-for-stable-roommate-problems/>

I had a chance to meet researchers and students from the following research groups, and exchanged ideas about various topics in AI, Robotics, and Theoretical CS:

- University of Edinburgh, Institute of Perception, Action and Behaviour (IPAB)
- University of Edinburgh, Centre for Intelligent Systems and their Applications (CISA)
- Heriot-Watt University, Human-Robot Interaction (HRI)
- Heriot-Watt University, Lab for AI and Verification (LAIV)
- University of St Andrews, AI Research Group (AIRG)
- University of Glasgow, Glasgow Interactive SysTems (GIST)
- University of Glasgow, Formal Analysis, Theory and Algorithms (FATA)
- University of Stirling, Applied Choice Research Group (ACRG)

Also, I had a chance to attend a conference organized by Edinburgh Robotics Centre:

- The Annual RAS CDT Conference
<https://www.edinburgh-robotics.org/events/annual-cdt-conference>

I hope some of these research activities lead to long-term research collaborations.

I would like to thank SICSA for honoring me with a DVF and supporting my visit.

Kind regards,
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