Artificial Intelligence & Cognitive Technologies

Wednesday 25 January – Thursday 26 January 2023

Day 1: Wednesday 25 January - HYBRID

09:45-10:30 Introductions

10:30-11:30 **HYBRID Workshops – Basic Skills in AI** – Dr Firat Batmaz; Dr Mohamad Saada; Dr Sara Saravi

- Introduction
- Model Evaluations
- Cross Validation
- Classification
- Regression
- Clustering

11:30-12:00   Questions and Answers

12:00-13:00   Practical session on running codes

Learning outcomes:

This workshop aims to introduce key concepts in machine learning and explain how to write a simple Python programme to build AI Models. At the end of the session, you will have basic knowledge and skills of how machine learning can be used in real applications.

13:00-14:00   Networking lunch – in person

14:00-15:30   **HYBRID workshop** - **AI & Ethical awareness** - Dr Georgina Cosma

- An AI ethics introduction highlighting the importance and the principles of responsible AI

- Fairness in Machine Learning and best practices for implementing fairness in the AI lifecycle.

Learning outcomes:

Understand the main components of ethical frameworks and principles for building responsible AI systems.

Gain an insight into fairness in Machine Learning and best practices for implementing fairness in the AI lifecycle.'

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Day 2: Thursday 26 January - _ONLINE_

Fellowship & career opportunities

09:45 – 10:00 Welcome and introduction

10:00 – 11:00 Turing Fellowship   Prof. Ivan Tyukin

11:00 - 11:45 Overview of Fellowship Opportunities   Dr Katy Wing

11:45-12:00 Screen break

12:00-12:20   C-DICE funding opportunities   Dr Lennie Foster

12:20 – 12:50 Local / regional career opportunities in AI   Eiman Kanjo, NTU

12:50-13:00 Evaluations

Learning outcomes:

Raise awareness of fellowship opportunities and challenges of how to develop and deliver prestigious awards.

Raise awareness of regional AI opportunities and why AI is important for the Midlands.

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