

The McLeod Institute of Simulation Sciences De Montfort University

Director: Professor Marwan Al-Akaidi

Purposes and Activities

The purposes of the McLeod Institute of Simulation Sciences are to:

- encourage and coordinate research in computer modelling and simulation.
- enhance opportunities for undergraduate and graduate research and training in the area of simulation.

Activities include:

- exploring collaborations with partners in research for modelling and simulation
- encouraging the teaching of simulation techniques at undergraduate and postgraduate level
- giving seminars in simulation and modelling and digital communications & signal processing
- carrying out fundamental research in artificial intelligence, digital communications & signal processing

Research in the Institute

We conduct research in the following areas:

- simulation in the area of wireless communication and speech recognition
- digital communications and signal processing
- Wireless & Mobile Multimedia communications
- modeling of human expertise in a variety of applications
- exploring fundamental theoretical results in fuzzy logic and neural networks that will assist in a number of applications including speech recognition, medical decision making and communications network
- investigating the role of artificial intelligence techniques in a wide variety of applications