

Ultan Mc Carthy Ph.D, MBA:

Experienced professional with a proven history of achievements in innovation management, commercialising research, technology development and project management. Strong academic background accompanied by 10 + years experience in a leadership and management capacity with a proven track record in securing national, European and international public and private funding. Former centre manager of Irelands national Mechatronic and RFID competency center – IMaR. IMaR is one of twelve Enterprise Ireland's Technology Gateway Centres designed to deliver innovative applied research solutions to national and international industry focusing on *Intelligent Mechatronics, Radio Frequency Identification Technology (RFID) and the Internet of Things (IOT)*.

Current research focuses on the digitisation of the agri food supply chain to improve efficiency, increase transparency and reduce waste. The deployment of these digital systems also improve flexibility of systems and assist in promoting resilience and sustainability across global agri-food supply chains

Personal competencies are built on international experience in combination with academic qualifications including a BSc in Food Technology from University College Cork an MSc in Engineering Technology, a PhD in Biosystems Engineering from University College Dublin, and an MBA degree. This has resulted in significant peer reviewed publications, book chapters, technical documents, white papers, numerous national and international conference publications and a significant international research portfolio.

Tentative Title: **The Electronic transformation of AgriFood Systems**

The technical focus of the lectures will primarily be on the adaptation and deployment of Electronics to Agriculture and Food Sectors.

The proposed lecture series will aim to adopt a technical and application focus. It will aim to answer questions including but not limited to (1) how and where are electronics currently deployed into the global AgriFood sector and (2) where is the value add being realised within each sector. (3) It will focus on the suitability of the technology and also present (where possible) a challenges encountered section.

This will allow the audience to get a perspective of the current and future needs of the sector with respect to electronics deployment and also demonstrate value adding applications as well as future needs of electronics within the sector