



# Discover Lecture Series

Presented by the Faculty of Science and Engineering



## The Internet of Things: What is it? and where is it heading next?

### Speaker Bio

---

**Dr Adnan Mahmood | Macquarie University**



Dr. Adnan Mahmood is a Lecturer in Computing (Internet of Things and Networking) at the School of Computing, Macquarie University, Sydney, Australia, and a member of the IEEE and ACM.

Adnan's research interests include the Internet of Things (primarily, the Internet of Vehicles), Trust Management, Software Defined Networking, and Next Generation Heterogeneous Wireless Networks, among other topics. His extensive publication list includes refereed book chapters; journal articles published in prestigious venues, including but not limited to, ACM Computing Surveys, IEEE Transactions on Knowledge and Data Engineering, IEEE Transactions on Intelligent Transportation Systems,

IEEE Transactions on Network and Service Management, ACM Transactions on Sensor Networks, ACM Transactions on CyberPhysical Systems, and Scientific Reports (Nature Portfolio); and conference papers. He is coauthor of [Trust Management in the Internet of Vehicles](#) (the first major publication in this fast-growing domain) and supervises PhD and Master of Research students.

Adnan, over the years, has given several invited talks and delivered tutorials at the International Conference on Intelligent Environments (IE) – 2023, IEEE International Conference on BigData (IEEE BigData) – 2021, and the International Conference on Cyber Security in Networking (CSNet) – 2021.

### Abstract

---

Join Dr Adnan Mahmood – author, researcher, and Lecturer in Computing (Internet of Things and Networking) – for a fascinating update on a technology that is set to change everything from how we watch TV and use our appliances at home, to our cars, roads, cities, and more.

Whether you have bought a coffee with your Apple Watch, worn a smart patch to monitor your blood glucose, or asked Alexa to turn the lights on and the oven off – you have probably used the Internet of Things.

As data-collecting and sharing sensors get tinier, cheaper, and more connected, our world is being transformed. The Internet of Things (IoT) – enhanced by Artificial Intelligence (AIoT) – involves a seamless merger of the physical and the digital world, revolutionising the way we will live, work, and interact with one another.

Suitable for an audience of all ages, whether you know anything about the IoT paradigm or not, this fun lecture will also include opportunities for you to interact first-hand with a number of IoT / AIoT devices.