

IEEE Hands-on Workshop on Industrial IoT Applications and Services

Introduction

The IoT workshop, a joint initiative of Liverpool John Moores University, Sensor City, CReAT project, and the IEEE Region 8, is a two-day workshop at a world-class venue, Sensor City, providing exposure to Industrial IoT in the overall context of applications and services. This workshop is second in the series of workshops held at Sensor City.

What is the workshop about?

The Internet of Things (IoT) is a pervasive set of technologies that finds application essentially in almost every industry segment, homes, agriculture, healthcare, supply chain, inventory & asset management, and other application domains. Specifically, Industrial IoT (IIoT) addresses automation in the Industry shop floors as well as processes. It is an industrial framework of machines interconnected enabling Machine-to-Machine (M2M) communication and monitored/controlled using software-based platforms. Such a framework provides an immense potential to enhance reliability of the systems using predictive maintenance. Advanced data analytics, a consequence of the infrastructure and processes supplemented with IIoT enable transformational business outcomes with the development of new business models, services, as well as new revenue streams.

The objective of the workshop is to provide the participants with the context and background of IIoT landscape and provide an opportunity to understand the process of developing IIoT solutions by a process of ideating and evaluating potential solutions to specific (scaled-down) problem statements provided at the workshop. The process of solution prototyping will be demonstrated, and the participants will be provided with basic hardware and software required for such an implementation. The prototyping experience will enable the participants to build real solutions in their domains with a potential for implementing the solutions within a short time to the market. The workshop includes an industry panel that will share their insights on IIoT in their contexts.

Workshop Program

The program spans across two days and includes keynotes, tutorials, and interactive sessions on ideation and hands-on sessions of rapid prototyping of IIoT applications.

Who should attend?

The workshop is designed to provide a functional exposure to IoT solutions prototyping. Industry sectors intending to develop an IoT skill base, SMEs, students, researchers and academics, and IoT enthusiasts will benefit substantially from this workshop.

Technical Program

Venue: Sensor City, 31 Russell Street, Liverpool, L3 5LJ
Contact: ieee-iiot-workshop@googlegroups.com



Endorsed by

