IEEE

United Kingdom and Ireland Section
IEEE UK & Ireland Blockchain Group

How Blockchain will Transform the IoT

THEMATIC AREA: Blockchain		
WEBINAR TITLE: How Blockchain will Transform the IoT		
DATE: Fri 27 September 2019	TIME: 14:00 – 15:00 BST	DURATION: 1 Hour
VENUE: Online CONTACT: madhusanka@ucd.ie		

> WEBINAR HIGHLIGHTS

Blockchain has received since 2014 enormous attention in much broader areas besides its cryptocurrency origin. Blockchain has been introduced in a wide variety of industries like finance, intellectual properties, art, energy, logistics and insurance. In many of these industries, there is a link with IoT be it for monitoring assets, sensing certain features, actuating particular actions, etc. In addition, every major company working with IoT has been looking at possibilities of integrating blockchain in their processes, either for building trust, cost reduction or acceleration of committing and con-firming secure transactions. Many of the already proposed use cases are still in their infancy and several corresponding issues are still to be discovered and addressed. For instance, a lot of security and privacy challenges, related service models are not yet completely solved. In particular, the combination of blockchain, IoT and artificial intelligence is seen as one of the most promising opportunity to offer future applications with huge impact.

> WHO SHOULD ATTEND

The domains IoT and blockchain are very popular, not only in academics but also in industry. Thus, this webinar is intended for everyone, from students already studying in the area of IoT to practitioners who work in the field, to people who is keen to learn about new technologies.

> WEBINAR OBJECTIVES

- Explain the usability aspects of Blockchain for different IoT applications
- Discuss the benefits and challenges of using Blockchain for IoT systems
- Present the security and privacy issues related to use of Blockchain for IoT
- Implementation and prototyping options for Blockchain based IoT systems
- Highlight the open Issues and future research directions

> THE SPEAKER

Dr. Madhusanka Liyanage received his Ph.D from the University of Oulu, Finland. He is currently working as a Marie Curie Fellow at School of Computer Science, University College Dublin, Ireland. He is also an adjunct professor at the University of Oulu, Finland. In 2011-2012, he was a research scientist at I3S Laboratory and INRIA, Sophia Antipolis, France. Also, he was a visiting research fellow at The University of Oxford, CSIRO, Lancaster University, Swansea University, University of Sydney, Sorbonne University and The University of New South Wales during 2016-2019. His research interests are SDN, IoT, Block Chain, mobile and virtual network security. He is a Member of IEEE and ICT. Madhusanka is a co-author of over 50 publications including three edited book with Wiley.

> WEBINAR CONTENTS

1. Basic & Essential of Blockchain and IoT
2. Blockchain in different IoT applications
3. Security and privacy issues
4. Future research directions

> ACCREDITATION

This webinar is accredited by IEEE UK and Ireland Section.

> TRAINING WEBINAR STYLE

This training Webinar is practical, participatory and personal. We focus on real issues and help participants to benefit from the techniques covered, rather than just discuss them. A variety of learning methods are employed to stimulate interest and meet the differing needs of participants– including illustrated presentations, discussions, and case studies.

> REGISTRATION

Please fill in the form at https://www.eventbrite.co.uk /e/how-blockchain-will-transform-the-iot-tickets-70514477701 to book your seat for the webinar

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Further details about Madhusanka can be found on www.madhusanka.com

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