

**Invited Talk, MersTel 2016 Workshop, Universidade do Minho, Portugal  
DI - Anf. A2 -Friday, February 5<sup>th</sup> 2016, 15h00**



## **"IoT for Intelligent Transport System: How Crowdsourcing has Changed Our World"**

Prof. Riri Fitri Sari

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### **Abstract:**

This talk presents the development of the Internet of Things (IoT) with the use of sensors and devices and their implementation for the Intelligent Transportation System (ITS). The development of the Intelligent Transport System, Vehicular Network, and the supporting communication technologies will be elaborated.

The theme of people as sensors and mining social media for meaningful information will be elaborated for the topic of Intelligent Transport System. We will also discuss some applications that take an open data approach to traffic and navigation.

Prof. Riri Fitri Sari

Department of Electrical Engineering, University of Indonesia



### **About the Speaker:**

**Riri Fitri Sari** is a **Professor of Computer Engineering** at the **Electrical Engineering Department, Faculty of Engineering, University of Indonesia (UI)**. Presently she holds the position of the CIO/Head of Information System Development and Services of the University of Indonesia. She graduated with a BSc in Electrical Engineering from UI. She gained a Master in Human Resources Management from the Atmajaya University Jakarta. Subsequently she completed her MSc degree in Software Systems and Parallel Processing from the Department of Computer Science, University of Sheffield, UK, funded by British Council Chevening Award. She holds a PhD in Computer Networks from the School of Computing, University of Leeds, UK. Her PhD research was on Active Networks-based Congestion Control Protocols. Her current main teaching and research area includes Computer Network, Grid Computing, and ICT implementation. Prof. Dr. Sari is a Senior Member of the Institute for Electronics and Electrical Engineers (IEEE). In November 2011, IEEE Region 10 Asia Pacific announce her as the recipient of the IEEE WIE Most Inspiring Engineer Award, awarded at the IEEE Region 10 Meeting in Kolkata, India, March 2012. Prof. Dr. Riri Fitri Sari is the 2009 Most Outstanding Lecturer at the University of Indonesia and the 3rd Winner of the National Selection of the Most Outstanding Lecturer hold by the Ministry of National Education of Republic of Indonesia in conjunction with the 64th National Independence Day.

Since April 2010, she has been the Chairperson of UI GreenMetric Ranking of World Universities, a flagship program of the University of Indonesia to rank university worldwide based on their green campus and sustainability programs and is the only specific ranking on university's sustainability worldwide. Her international experiences include a study program and internship at the United Nations Headquarters in Geneva and New York. She has also involved in a joint research at CERN (European Laboratory for Particle Physics) in Geneva, a training in Engineering Education funded by UNESCO in Australia, higher education management training in Japan (JICA), and being an invited speakers in Korea (KAIST). Prof. Dr. Ir. Riri Fitri Sari is a reviewers for many competitive grant schemes of Higher Education Directorate General of Ministry of National Education, Ministry of Information and Communication Technology, National Research Board and Directorate General of Population Administration of the Ministry of Internal Affairs. Prof. Dr. Sari have visited some IT industries such as Microsoft Research at Redmond, USA, Huawei Tech in Shenzhen, Wipro in Bangalore, Samsung in Korea. Dr. Riri Fitri Sari was awarded with a Distinguished Toastmaster (DTM) from the Toastmaster International. She received other award such as Inspiring Woman and Youth 2012 from PT Indosat, and Kartini 2.0 Woman Technologist from PT Telkom in 2013. Married to Dr. Ir. Kusno Adi Sambowo, she lives with her three daughters Almira, Naufalia, and Laura Sambowo. Playing piano, reading novels and swimming are her hobbies.

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