



Never Stand Still

Engineering

Electrical Engineering & Telecommunications

SEMINAR

You are invited to attend the School of EET seminar

5G is ON

Time: 10:00-11:00 am, May 3, 2019

Location: Quadrangle Building G026

Title:

5G is ON

Speaker:

Dr DAVID SOLDANI, Chief Technology Officer (CTO) of Huawei Australia

Contents:

- Inspiring the future
- 5G Ecosystem
- 5G Use Cases: FWA and Cloud X
- 5G Deployment: The 5G pioneers
- 5G target Radio Access Network: 3 Coverage layers
- 5G mMIMO: The key enabler of 5G experience
- 5G Site solutions
- New transport and transmission solutions to drive down cost/bit/km and latency
- The one core network
- Network planning solutions
- Huawei AI full-stack and self-driving networks
- Approaches to security of 5G networks

Bio:

<http://www.linkedin.com/pub/a/6a0/336>

DAVID SOLDANI received a M.Sc. degree, Laura Vecchio Ordinamento, in Electronic Engineering with *magna cum laude* from Università degli Studi di Firenze, Italy, in 1994; and a D.Sc. degree in Technology with *distinction* from Helsinki University of Technology (Aalto University), Finland, in 2006. In 2014, 2016 and 2018 he was appointed Visiting Professor, Industry Professor, and Adjunct Professor at University of Surrey, UK, University of Technology Sydney, Australia, and University of New South Wales, respectively.

Dr. Soldani has been active in the ICT industry for more than 20 years, successfully working on 500+ research, innovation and customer services projects for 2G, 3G, 4G and 5G ICT systems and services, and contributing to 1000+ quality deliverables – from strategic research and innovation strategies, business and work plans formulation, to modeling, simulations, emulations and proof of concepts of innovative solutions, products and services with partners and customers, globally.

He is currently at Huawei Technologies, serving as Chief Technology Officer (CTO) in Australia and ICT Expert within the Southern Pacific Region. Areas of his responsibilities and expertise include, but not limited to: future wireless, network, big data value, artificial intelligence, IoT and Cloud technologies.

Prior to that, he was at Nokia, as Head of 5G Technology, e2e, global, and in various technical and research management positions. Before rejoining Nokia in 2016, he was for eight years at Huawei European Research Centre, Germany, serving as Head of IP Transformation Research Centre (IPTRC), Head of Network Solution R&D and, subsequently, Head of Central Research Institute (CRI) and VP Strategic Research and Innovation, in Europe; and represented Huawei in the Board of Directors of The 5G Infrastructure Association (5G-IA) and NetWorld2020 European Technology Platform (ETP), in Europe.

He has been selected many times to receive special awards in recognition of his role, commitment, professionalism, and outstanding contribution in the ICT industry; and in 2016, he was granted a Distinguished Talent (DT) visa for his *profession* by the Australian Government. He has published or presented numerous international papers, contributed to the publication of many books and development of 3GPP Release 98-Release 16 standards, and holds several international patents.

David Soldani received a M.Sc. degree in Engineering with *magna cum laude approbatur* from the University of Florence, Italy, in 1994; and a D.Sc. degree in Technology with *distinction* from Aalto University, Finland, in 2006. In 2014, 2016 and 2018 he was appointed Visiting Professor, Industry Professor, and Adjunct Professor at University of Surrey, UK, University of Technology Sydney (UTS), Australia, and University of New South Wales (UNSW), respectively. D. Soldani is currently at Huawei Technologies, serving as Chief Technology Officer (CTO) in Australia and ICT Expert withing the Southern Pacific Region. Prior to that he was Head of 5G Technology, e2e, global, at Nokia; and Head of Central Research Institute (CRI) and VP Strategic Research and Innovation in Europe, at Huawei European Research Centre (ERC).

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