



Ph.D. Program in Electronics, Computer Science and Electrical Engineering

SEMINAR

Beyond 5G and toward 6G: An Approach for Key Value Indicators of Social Impact

Dr. Osman Hassan
REAL WIRELESS (UK)

Wed May 28 2025, 11am - Seminar Room Magenta

Abstract:

The seminar will address the future of 6G technology with a focus on social sustainability, as explored within the TrialsNet project. As mobile networks evolve beyond 5G, the conversation extends beyond speed and connectivity - toward a more profound question: How can next-generation technologies contribute to a safer, more inclusive, and sustainable world? Hassan will explore how 6G can foster inclusive communities and enable resilient, human-centered urban systems. He will also introduce the concept of Key Value Indicators (KVI) - a framework for evaluating the social impact of emerging technologies - with practical examples of their application in real-world scenarios.

Bio:

Dr. Hassan Osman is a Configuration Manager at Real Wireless, with over 14 years of experience in advanced wireless technologies. His core expertise lies in software development and machine learning algorithms applied to next-generation communication systems, including Beyond 5G (B5G) and 6G. A strong advocate for sustainability, Hassan has led several projects highlighting the role of sustainable wireless technologies in both business and societal contexts. He has authored over 25 publications in international journals, magazines, and conferences, and remains actively involved in academic collaboration across the UK and beyond. Hassan is also an experienced public speaker, regularly presenting at international events on topics at the intersection of technology and social impact.

Organizer

Prof. Lorenzo Favalli
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Seminar in English
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