

The 12th International Conference on Emerging Ubiquitous Systems and Pervasive Networks
(EUSPN 2021)

The 11th International Conference on Current and Future Trends of Information and
Communication Technologies in Healthcare (ICTH 2021)

Keynote

Prof. Dr. Danny Hughes

KU Leuven, Belgium

About the Speaker

Dr. Hughes is the Chief Technical Officer of VersaSense NV, a KU Leuven spin-off company that provides end-to-end industrial Internet of Things solutions. He is also a Professor with the Department of Computer Science of KU Leuven (Belgium), where he is a member of the DistriNet (Distributed Systems and Computer Networks) research group and leads the Networked Embedded Software task-force. Danny has a PhD from Lancaster University (UK) and has previously worked at the University of California at Berkeley (USA), the University of Sao Paulo (Brazil) and Xi'an Jiaotong-Liverpool University (China).

Title: Self adaptive software systems are essential for the Internet of Things

The Internet of Things is composed of tiny computers equipped with sensors, actuators and low power radios that are embedded in our physical environment. The number of Internet of Things devices is growing dramatically. Gartner predicts that by 2021 there will be over 20 billion deployed internet of things devices. By bridging the physical and digital worlds, the Internet of Things will enable radical efficiency gains across a wide range of industries. This talk will argue that self-adaptive software is essential to achieving the IoT vision. My talk will be illustrated throughout by real-world examples of the demand for self-adaptation in the Internet of Things, as drawn from my experiences as the Chief Technical Officer of VersaSense, an industrial Internet of Things company and spin-off of KU Leuven.