

Role of 5G in Revolutionizing More Traditional Industries

The mobile ecosystem has evolved from being an environment of bilateral relationship between cellular operators and their customers, to a plethora of specialized companies providing services at different positions of the value chain. 5G will be instrumental for the digitalization of the traditional industry in its race for better productivity and competitiveness. Cementing strong relationship between Telecom industry, i.e. operators and vendors, and the telecom consumers industry, i.e. verticals, will open the field to new value proposition. The SMEs, including start-ups, play a substantial role in the vertical value chain as suppliers, service providers and knowledge providers. While SMEs are often restricted by the sector structures they operate in, policies towards innovation friendly digital business ecosystems can help them to break out of these boundaries. Advances in 5G including infrastructure capabilities, Big Data assets and the IoT development can help verticals to create more value, better sector knowledge, and ultimately stronger ground for new sector applications and services. This talk will focus on such 5G advances and developments, and their role in the success of verticals. The energy, including oil and gas industry, and healthcare are two examples that will be elaborated in more details.

Short Bio:

Dr. Toktam Mahmoudi is with the academic faculty of the centre for telecommunications research in King's College London. She is one of the leading members of the Tactile Internet Lab and principal investigator on research projects in 5G, low-latency communications, SDN and NFV, and also in the eHealth. Previously, she was visiting research scientist at F5 Networks, research associate in Imperial College London, Mobile VCE researcher, and R&D engineer in telecommunication industry.