**Information Engineering and Data Analytics for 5G Networks**

Digital data and connected worlds of physical objects, people and devices are rapidly changing the way we work and interact with our surrounding environments. They also have a profound impact on different domains, such as healthcare, environmental monitoring, urban systems, and control and management applications, among others. However, these large volumes of heterogeneous data require new methods of communication, aggregation, processing and mining in order to extract efficient and actionable information from the raw data. This talk will focus on future communication networks and the Internet of Things and will discuss opportunities and challenges of using large-scale data analytics and their applications in smart cities and healthcare domains.