

Smart city and its AI-powered-IoT use cases

A smart city has lots of use cases for AI-powered IoT-enabled technology, from sustaining a healthier environment to enhancing public living life. These smart cities will have challenges such as creating sustainable and cost-efficient environments, enrichment of life quality for the citizens, and being able to handle non-static concepts that evolve over time. Vital elements in this concept are Internet of Things (IoT), Clouds of Things (CoT), and Artificial Intelligence (AI). These are developing rapidly in their own fields, but currently no research work that combines them with smart homes and smart cities has been done. The talk will introduce the novel concepts that adapts and distributes the artificial intelligence between the smart homes and the smart cities. The concept includes novel services for citizens and it seems to move the state-of-the-art for innovative smart city services into the next era, i.e. a new ecosystem. The theory of innovation will be used to explain the phenomenon by which the technological and service innovation transforms existing cities into smart cities. A few AI based project on healthcare, environment, energy and water, government, administration and public safety services will be explained. Such an deliberation will show the way how to coordinate activities such as collect big-data, and develop new services to the community, as well as to the individual smart users. The benefits of this talk will give information on opportunity to develop new services by analysing and processing the distributed pre-processed (anonymous) big-data from the cloud servers using AI for converting smart cities into intelligent cities.