

Keynote Address to ACSAT 2018 Conference

Sustainable Connected Cities to Address UN Sustainable Development Goals

Abstract:

Many cities around the world are currently transitioning towards Sustainable Connected or Smart Cities to attain several key objectives such as a low carbon environment, high quality of living, and knowledge based economy. Urban performance depends not only on the city's endowment of hard infrastructure, but also on the availability and quality of knowledge communication and social infrastructure. There is a growing importance of Information and Communication Technologies (ICTs), social and environmental capital in profiling the competitiveness of cities. Information and communication technologies, sensors and actuators, internet of things (IoT) and Artificial Intelligence (AI) play a critical role in building sustainable smart cities and supporting comprehensive urban information systems. This brings together citizens and integrates technologies and services such as transportation, broadband communications, buildings, energy, healthcare, education, industry and other utilities. Advanced communication, computing techniques, IoT and AI can facilitate a participatory approach for achieving integrated solutions and creating novel applications to improve urban life and build a sustainable society that meets the sustainable development goals fixed by the UN for this millennium (UN SDG).