

CRETE Project Welcomes Society 4.0

Speaker: Mr. Dirk Van Merode

Presentation's Title: The Smart City Concept

Abstract: All over the world a lot of effort is put into research, funding and implementation of Smart Cities. With good reason to do so, as research has shown that savings possible in healthcare, transportation and energy are considerably high. At the same time Smart Cities can help to overcome the challenges of modern-day society, such as climate change, poverty, health, growing population, energy consumption. In general we can single out 6 dimensions in Smart Cities, being smart people, smart environment, smart mobility, smart governance, smart economy, smart living. In our talk we will give an overview on the different aspects of an Smart City and our personal perspective on smart living, smart governance, smart mobility and smart energy.

Short bio: Ing. Dirk Van Merode MSc finished his engineering studies in Electronics back in 2002. After his studies, he found his passion in learning, developing, teaching and preaching technology, as a researcher, lecturer and international projects coordinator. Having worked in several other higher educational institutes, Dirk now works as a lecturer and research engineer at AP University College in Antwerp. His field of expertise is in Internet-of-Things, digital systems design, printed circuit board design and production, embedded systems and audio-video production. Research topics are mainly in European projects, both on curriculum development and student and staff mobility with countries outside the EU. He did research in space applications and satellite development for a couple of years. He was partner and coordinator of numerous international projects.

He was guest professor and advisor in numerous European, Asian and African universities.

Dirk is currently coordinator of ACTEA: Applied Curricula in Technology for East Africa (www.actea.net).

Dirk is also partner in in Erasmus+ KA2 SPACECOM: New study program in space systems and communications engineering (<https://spacecom.uz/en>).