Abstract:

Cities are each wonderfully unique and are justly proud of all the attributes that set them apart from other cities – the skills and character of their people, their history, their beautiful setting, their influence on the world, their success commercially ..

And yet all cities have many things in common. They must manage the challenges and opportunities that come from bringing many people with different lifestyles and aspirations to live and work together in one place. They need to manage all the infrastructures and services that support this and to build a good and sustainable future for coming generations.

It is around these commonalities that smart and sustainable city standards can have a vital contribution.

The challenge is that cities are very complex, and to solve city needs in a smart and sustainable way, whole packages of new products and services are needed, and new processes must be put in place to manage them.

The good news is that the International Standards Development Community has brought together many thousands of world class experts in many hundreds of Study Groups, Technical Committees and Working Groups to identify best practice and develop interoperable products, services and processes, and to provide guidance as to how cities can put together the most appropriate families of standards to meet their needs.

The IEC Smart Cities Systems Committee supports this vital work by providing tools to help the experts within the different SDOs to develop the standards needed. This presentation will cover our four key activities:

- Facilitating the development of common definitions of key terms
- Developing Smart City reference architecture
- Collecting and analysing use cases to help scope out the requirements of families of standards to underpin systems solutions
- Categorising and mapping standards related to smart and sustainable cities