Many scientific challenges are to arise for different communities:

In the field of Information Science and Technology, intelligent IoT systems are complex, large-scale, distributed systems operating in open contexts. They involve interconnected things that sense and act on the physical environment, as well as control loops distributed along the Internet continuum in Cloud, Edge and IoT spaces. These control loops assimilate data from sensors, build their own representation of the surrounding environment, plan responses and implement them through actuators. However, they need to be properly coordinated so that they give rise to intelligent and autonomous behaviours that form the core of an intelligent IoT system.

In the field of interaction with humans, intelligent IoT systems are now likely to act in competition with humans in their immediate environment, with all the problems that this may raise in ergonomic, sociological and even ethical terms about the degree of human control over such systems and, in other words, how to "keep the human in the loop".

Aim
This special session is therefore aimed at scientists from all communities who have found themselves confronted with these new challenges posed by the intelligent IoT systems. While this scientific meeting is intended to cover a wide range of topics, the presenters are asked to base their presentation and contribution on a real example in one of the multiple application domains of intelligent IoT systems.

Further Information
Please contact the organizers of the session Stephane Lavirotte and Jean-Yves Tigli
For information on the submission requirements and the submission link see the links in the GUIDELINES Tab on the conference web site.