rules created for internet and technological governance in order to facilitate growth and up-to-date regulatory systems.

Wojciech Filipkowski, Rafał Rejmaniak:

The Internet plays a significant role in the implementation of the smart city concept, as it allows various intelligent subsystems (modules) to be combined into a synchronized system.

1. In terms of the proper functioning of such connected smart city components, the authors point to the need to develop minimum requirements for initial training and periodic verification of the competences of smart system operators, preventing the degradation of
their skills and ensuring real human control over such a system.

2. In addition, the authors recommend to conduct interdisciplinary research involving experts from various fields (i.e. IT, ethics, law) in the development of commonly accepted principles of liability for potential damage that may be caused as a result of the functioning of
fully autonomous intelligent systems.

3. Until then, efforts should be made to ensure real human supervision over fully autonomous systems. Implementation of fully autonomous solutions, in an ill-considered manner, may lead to unpredictable damage to legally protected goods, and it may be
impossible to identify and hold the perpetrator criminally responsible.

4. The UN should make efforts to harmonise legal standards in the above areas on a global scale in order to avoid regulatory asymmetries between countries or regions. The latter aspect may be exploited by persons or entities wishing to misuse technological solutions for their own purposes.

Section Four

Maddalena Castellani, Cesare Triberti, Roberto Giacobazzi:

While science and technology is progressing towards the new frontiers of privacy and encryption, still lots of issues are present in nowadays implementations of cloud services. In order to concretely rise the level of confidence in the use of these technologies, lawmakers and scientists have to work closely together to design best practices and rules making cloud services trustable. More work is required in the area of cloud technologies to make it acceptable by a wider set of cloud service consumers.