While industries and corporations have acknowledged the importance of Web 2.0 and started integrating Web 2.0 in their business processes, they have made only limited contributions to the burgeoning knowledge in Web 3.0. Over the last decade, various technologies have moved to the qualitatively new phase of development. Mobile wireless communications, new data collection, new data retrieval and new data processing techniques have been introduced together with a cloud approach to storing data. All of that with the Internet of Everything paradigm and customer-centric approach formed a new concept of the Smart Services. Smart Commerce is one of the definitions of Web 3.0, bringing new approaches to e-business. Smart Services concept means that soon we might have fully globalized services that would allow business to transform according to a new step of globalization considering customer-centric approach and digital economy based on data.

ITSS2017 is an international workshop on advances in theory, applications and different approaches to using IoT and Smart Services. This workshop is about business transformation due to digital economy implementation and about new types of services and innovative business models stemming from the high impact of IoT and data-based services as the next step in globalization including new strategy and recommendations on Collaborative Economy in 2016 by the European Commission. The workshop will also include discussions on relevant topics of Big Data and Big Data Analytics (related to information understanding and new business models).

The aim of the workshop is to encourage activities in the field of Collaborative Economy (based on Smart Services and the Internet of Things) and to bring together worldwide researchers with an interest in digital economy as well. Unlike the conventional conferences, this workshop will mainly discuss and explore theoretical and practical problems raised by the participants. Especially, we provide enough discussion parses for understanding the importance of sustainability and the relationships between the Computer science and Management science.

**Workshop Chairs**

Svetlana V. Maltseva, *National Research University Higher School of Economics, Russia*

Mikhail M. Komarov, *National Research University Higher School of Economics, Russia*

**Programme Committee**

Svetlana V. Maltseva, *National Research University Higher School of Economics, Russia*

Mikhail M. Komarov, *National Research University Higher School of Economics, Russia*

Dr. Venky Shankararaman, *Singapore Management University, Singapore*

Dr. Yevgeni Koucheryavy, *Tampere University of Technology, Finland*