

Intense Day on
Understanding and managing
of complex, global, socially interactive systems

Estonian Academy of Sciences, Kohtu 6, Tallinn
28 August 2018

Organised as a part of 2018 General Assembly of the FuturICT2.0 adventure.

From financial crises to climate change, from crime and conflict to resource management: the world is currently facing grand social challenges that need to be addressed with new approaches and tools. FuturICT2.0 aims to create an incentive system to take on some of the major challenges faced by modern society.

FuturICT2.0 is an international European project inspired by the FuturICT Future and Emerging Technologies pilot activity and funded under the FLAG-ERA Joint Transnational Call (JTC) 2016. The main goal is to find ways to understand and manage complex, global, socially interactive systems.

14.00 Opening words

Tarmo Soomere, President of the Estonian Academy of Sciences

Session 1: Addressing the problems at their root

14.05 Blockchain beyond Finance 4.0: an overview of applications in the agrifood sector

Anna Carbone, Politecnico di Torino, Italy

14.30 Smart human coordination: how the Finance4.0 system works

Stefan Klauser & Marcus M Dapp, ETH Zürich, Switzerland

15.00 Role of commitments and emotions for long-term relations; a modelling perspective

Tom Lenaerts, Université Libre de Bruxelles, Belgium

15.25 Are gossips intrinsically negative? Hints from a simple agent model

Guillaume Deffuant, National Research Institute of Science and Technology for Environment and Agriculture (IRSTEA), France

15.50–16.10 Coffee break

Session 2: Implications from a social science and systemic perspective

16.10 Sand, sea-level and society: Complexity of the coast

Kevin Parnell, Tallinn University of Technology, Estonia & James Cook University, Australia

16.35 Use of mobile positioning data in mobility studies

Anto Aasa, University of Tartu, Estonia

17.00 Sociotechnical technologies acceptance and sustainability assessment

Egils Ginters, Riga Technical University, Latvia

17.20 Managing big data on national scale: Infotechnological Mobility Observatory

Pilleriine Kamenjuk, University of Tartu, Estonia

17.40 Customer support data mining and processing challenges in business organizations: case of electric power supply company: Janis Kapenieks, Riga Technical University, Latvia

17.50 User behaviour data evaluation challenge in virtual learning environments

Viktors Zagorskis, Riga Technical University, Latvia

18.00 Colour code method digitalization

Laura Dzelzkaleja, Riga Technical University, Latvia

18.10 Wrap-up and closing