

**IFAC Conference on
Technology, Culture and International Stability
(TECIS 2021)
14-17 September 2021
Moscow, RU**

TECIS 2021 consisted of 141 contributions prepared from 260 authors from 25 countries included three plenary talks, 41 open invited truck papers and 97 regular papers. 30% of the authors were female and approximately 15% were young engineers.

The 20th Conference on Technology, Culture and International Stability (TECIS 2021), which is affiliated with the IFAC TC 9.5 and formerly known as "SWIIS") was organized by the Russian IFAC NMO and took place virtual Technology, Culture and International Stability y based in Moscow at the location where the first IFAC World Congress in 1960 was organized. As usual TECIS 2021 provided a forum for professionals, researchers, experts, and practitioners from industry, non-governmental organizations (NGOs) and academia to give an overview of the state of the art, to present new research results and to exchange ideas and experiences in the field of the role of control and automation technologies and its praxis in promoting international stability.



A related goal of this conference was to propose new approaches in dealing with globalization effects, and investigating international system complexity and the management of knowledge in that context. According to the scope of TECIS, this event offered scientists from Russia and neighbor countries as well as the international research community the opportunity to present their results at an IFAC sponsored international event.

The contributions covered a broad field of subjects including Intelligent Systems and Applications, Innovation Management, AI and Applications, Control and Automation to improve Stability, Engineering Ethics, Cultural Effects, Knowledge Management and Intelligent Systems, Complex Adaptive Systems, Technology and Environmental Stability, Cost Oriented Automation (COA) and End of Life Management (EoL).

The plenaries were presented by: Petros Groumpos (GR) "*A Critical Historical and Scientific Overview of all Industrial Revolutions*", Norbert Jesse (DE) "*Data Strategy and Data Trust – Drivers for Business Development*", Peter Kopacek (AT) & Mary Doyle Kent (IE) "*Selected Development Trends of TECIS*" and Fuad Aleskerov (RU) "*Covid 19 – Spread of Morbidity, Quarantine Measures, Their Efficiency*" (without paper).

Many students, mostly from local universities, attended the event. Out of four finalists for the Young Author Award the paper of Rodrigo Alcobarro (AR) for the contribution "*A Low-Cost Integrated Concept for the Hybridization and Electric Conversion of Cars and Other Mechatronic Vehicles*" was selected for the award by the committee.

We are extremely grateful to the International Program Committee (IPC) members for the reviewing of the papers, the members of the National Organizing Committee (NOC) for the successful organization of the event and especially to all attendees for participating in and contributing to this virtual event. We hope that you enjoyed the familiar atmosphere which stimulated intensive and successful discussions.

Submitted by: Peter Kopacek (AT, TECIS IPC chair) and Zina Avdeeva (RU, TECIS NOC Co-chair)