

**Invited Session on “»Ageineering« – Challenges of Engineering, Management and Control in digital transformation of Social infrastructure” for 17th IFAC Symposium on Information Control Problems in Manufacturing in Budapest, Hungary, June 7-9, 2021**

**INFORMATION CONTROL IN THE CYBER-PHYSICAL ENTERPRISE: TECHNOLOGICAL BREAKTHROUGH VS. CULTURAL REVOLUTION**

**Invited Session (code \_\_\_\_\_ use this identification code in the submission)**

**Session Chairs:**

Assist. Prof. Dr David Bogataj, University of Padua, Italy

Prof. Dr Vlado Dimovski, University of Ljubljana, Slovenia

Prof. Dr Alenka Temeljotov Salaj, Norwegian University of Science and Technology, Norway

According to the European population projections 2019 prepared by EUROSTAT, the share of the older adults 65+ will reach 30% and population 80+ will double in the next half of the century. Developers of supply chains and service systems for ageing population should take into account human and social factors related to the decline in functional capacities of ageing customers. Cyber-physical systems embedded in supply and service networks designed for ageing population require better use of age management and ambient intelligence. To mitigate risks to which older adults are exposed to developers should embed ambient assisted living technologies in age-friendly facilities and amenities. Therefore, digital support systems for older adults and digital social infrastructure should be incorporated in the development of smart cities and communities. Digital technologies incorporated in products, services, and systems which are providing support to older adults, form an important part of the emerging Silver Economy, supporting the digital transformation of social infrastructure in ageing regions and the age management of the ageing society. Due to rapid ageing of the population in the developed world, governments and the private sector alike should consider digital transformation of social infrastructure and incorporate it in development of new policies, technologies, management and control of processes to improve quality of life of older adults with declining functional capacities and mitigate growth in health care and long term care public expenditures.

**Track topics:**

The track chairs invite scientists, scholars, engineers and planners from academia, government and industry, to contribute their original scientific articles, literature review and applied research papers. This session aims to attract high-quality papers in the areas of management, industrial engineering, civil engineering, medicine and nursing as well as other relevant disciplines relevant for the ageing society, including the papers of practical relevance and case studies.

**Submission:**

For author guidelines, please refer to [www.ifac-control.org](http://www.ifac-control.org). All papers must be submitted electronically using the Symposium Manuscript Management System (CMMS). All papers must be prepared in a two-column format by the IFAC manuscript style. Please use the official IFAC instructions and template to prepare your contribution as full-length draft paper and submit it online by 30<sup>th</sup> of September, 2020.

Submission details are available on the symposium website. All submissions must be written in English. All papers that conform to submission guidelines will be peer-reviewed by IPC members. The corresponding author submits the paper online (pdf format) as invited session paper. **Submission as an invited paper requires the invited session code**           

Paper submission closure	30 <sup>th</sup> September, 2020
Notification of acceptance/rejection	1 <sup>st</sup> December, 2020
Deadline for the final submission	1 <sup>st</sup> February, 2021