

Dear colleagues,

We are pleased to announce the

which will be held from
in

Cyber-Physical Systems (CPS) are a new generation of control systems and techniques which help promote prospective interdisciplinary research. A wide range of theories and methodologies are being investigated and developed in this area to tackle complex and challenging problems. Therefore, CPS can be considered as a scientific and engineering discipline that is set to make impact on future industrial and societal-scale systems characterised by deep integration of real-time processing, sensing, and actuation across logical and physical heterogeneous domains.

aims to bring together researchers and practitioners from all over the world and to reveal cross-cutting fundamental scientific and engineering principles that underpin the integration of cyber and physical elements across all application fields. The conference agenda includes keynote and plenary lectures, sessions and discussions.

Attendees of become a part of our scientific community and will have the opportunity to discover the magnificent city of St. Petersburg in especially beautiful period of White Nights.

We are looking forward to seeing you in June at Peter the Great St. Petersburg Polytechnic University which celebrates its 120th anniversary this year.

Professor Michael Krommer, <i>Vienna University of Technology</i>	Professor Dmitry G. Arseniev, <i>Peter the Great Saint-Petersburg Polytechnic University</i>	Professor Ludger Overmeyer, <i>Leibniz University Hannover</i>
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Leibniz University Hannover, Germany
Peter the Great St. Petersburg Polytechnic University, Russia
Vienna University of Technology, Austria

We shall be very pleased if you can present your paper.
Please see the list of topics covered in the scientific programme.

Control Theory
System Analysis
Paradigms, Models and Architectures
Methods and Algorithms
Components and Structures
Knowledge Base and Knowledge Management

Engineering
Industrial Internet of Things
Artificial Intelligence and Machine Learning
Cognitive Systems
Real-Time Systems
Safety and Security Systems

Smart Manufacturing
Mechatronics and Robotics
Human Digital Interfaces
Networking and Telecommunications
Transport and Logistics
Energy and Smart Grid

As the first step, authors submit only abstracts (up to 200 words) via the conference management system (<https://easychair.org>). Please follow the instructions of the EasyChair conference management system for creating your personal account. If you already have an account in the EasyChair, please use submission link:

and select option "enter as an author", then fill in the required fields on the page "New Submission".

The camera-ready PDF documents with the text of papers are submitted via the EasyChair conference management system (<https://easychair.org>). All papers should be in the range of 12 000-14 000 characters. The list of references should include at least 20 sources.

Please note that all papers must be original and not simultaneously submitted to another journal or conference. All papers are supposed to present novel research results of international interest. The references to related work must be appropriate. Papers need to be related to the topics covered in the scientific programme of the conference. All abstracts and papers must be submitted and presented in English. All papers will be peer-reviewed by experts in the field based on originality, significance, quality and clarity.

Number of authors in a single paper is four person maximum. One person can be the author of not more than two papers. The corresponding author is the person chosen within the group to be responsible for all contact and correspondence with the periodical. The corresponding author should ensure that all appropriate co-authors (and no one inappropriate co-authors) are included on the paper, and that all co-authors have seen and approved the final version of the paper and have agreed to its submission for publication. Accepted full papers will be published in the conference proceedings. Abstracts and selected papers will be published in Scopus Indexed journals.

Deadline for Authors Registration

Vienna University of Technology,

Austria

Leibniz University Hannover, Germany

Peter the Great St. Petersburg Polytechnic

University, Russia

Scientific Committee

Institute of the Problems of Mechanical

Engineering of the Russian Academy of Sciences, Russia

St. Petersburg National Research University

of Information Technologies, Mechanics and Optics, Russia

Autonomous University of Barcelona, Spain

University of Antwerp, 004Ct1 1 Tf0 Tw (St. Petersburg 4r 0 Td[A.)--rk2exan.T0 1p 1 ivee University of Barcelon(Fe(M057004C005s6ussianvams of Mechanical)niver Tf4401 Tf0 Tty)Tj/C20 1 TSta2 T606 scn/GS0 gs