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LOCATION

Saint Petersburg is located in the mouth of Neva River near the Finnish Gulf of the Baltic Sea, Russia.

There are daily flights of major international carriers to the International airport - Pulkovo of St. Petersburg. It also can be reached from Helsinki, Finland by plane (0.5 hours) or by train (3 hours).

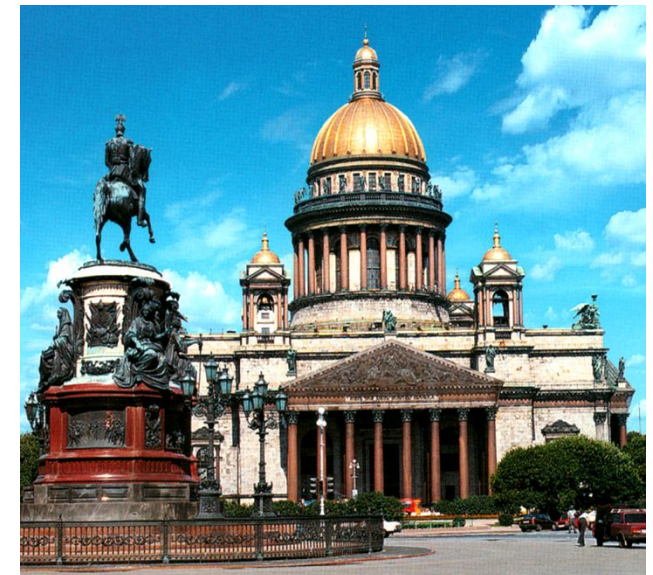


CALL FOR PAPERS

**The 1st IEEE International
Conference on Industrial
Cyber-Physical Systems
(ICPS 2018)**

<https://icps2018.net>

**Saint Petersburg, RUSSIA
15–18 May 2018**



CONFERENCE SCOPE AND OBJECTIVE

Background

IEEE ICPS 2018 is going to be the first of a premier conference series presenting the state of the art and future perspectives of Industrial Cyber-Physical Systems. An international forum, where industry experts, researchers, and academics share ideas and experiences surrounding frontier technologies, breakthrough and innovative solutions and applications, pertaining to (i) how Industrial Cyber-Physical Components, Systems, and Services are designed, implemented, deployed and operated by the industry; (ii) how they communicate and cooperate with each other as well as humans in real time, and (iii) how they are in conjunction with the Internet-of-Services and real-time analytics on Big Data, enhancing internal and cross-organizational engineering, management, control and automation functionalities for all stakeholders across a digitized value-chain.

Aim

The aim of the IEEE International Conference on Industrial Cyber-Physical Systems, is to provide a platform to exchange research and innovation results, lessons learned from industrial practices associated with new paradigms and technologies.

Topics within the scope of the conference:

- **ICPS Architectures:** Industry Architectures, Industry Standards, RAMI 4.0, Industrial IoT.
- **ICPS Technologies:** Core Technologies, Interoperability, Communication Networks, Connectivity OT/IT, Semantics, Control, Security, IoT/IoS, Machine Learning, Autonomous Systems, Cloud-Fog Computing, Big/Smart Data, Security.
- **ICPS Engineering:** Engineering Methods and Tools, Lifecycle Management, Integration, HMI, Safety, Engineering Systems of ICPS.
- **ICPS Applications:** Smart Manufacturing, Robotics, Smart Cities, Energy / Smart Grid, Smart Living, Smart Framing, Mobility, Water Management, Mining, Oil & Gas, Intelligent Enterprise, Smart Transportation, Internet of Underwater Things, Smart Medical Systems.
- **ICPS Management and Ecosystems:** Innovation Management, Innovation Ecosystems, Visions/Roadmaps, Industry Digitalization,

Strategies & Markets, Entrepreneurship.

- **ICPS Education and Social Aspects:** Digital Society, Education, Lifelong ICPS Learning, ICPS Curricula, Future of Work, Social Aspects, Sustainability, Machine Ethics.

Special Sessions

To enhance the technical program and focus on specific topics and areas, ICPS 2018 will include special sessions, in addition to regular ones, that cover subjects or cross-subjects belonging to the topics of interest, or new relevant novel topics. If you are interested in organizing one, please contact ss@icps2018.net.

Industry Forum

To support specific industry-focused discussions among participants, ICPS 2018 will include an Industry Forum consisting a set of technical sessions with the participation of leading companies and institutions. For info, please contact industry-forum@icps2018.net.

Tutorials

Several tutorials are planned on the latest trends pertaining to Industrial Cyber-Physical Systems taking place on May 15th, 2018. If you are interested in organizing a tutorial, contact tutorials@icps2018.net.

Submission of Papers

The working language of the conference is English. Prospective participants are requested to electronically submit full papers of their work (6 pages) following the IEEE template and instructions available on the [conference website](#).

Accepted papers will be published in IEEE proceedings to be included in *IEEE-Xplore*. Excellent papers may be invited to the *IEEE Transaction on Industrial Informatics (TII)* and *IEEE Transaction on Industrial Electronics (TIE)*.

Paper Acceptance

Each accepted paper must be presented at the conference by one of the authors. Papers not presented will not be included in *IEEE-Xplore*. The final manuscript must be accompanied by a full registration fee payment. All conference attendees, including authors and session chairpersons, must pay the conference registration fee, and cover their own travel/lodging expenses.

[Detailed info are to be found at <https://icps2018.net>]

CONFERENCE SPONSORS

- IEEE Industrial Electronics Society
- ITMO University, Saint Petersburg, Russia

Technical Sponsor:

- IEEE Technology and Engineering Management Society

IMPORTANT DATES

Special Session proposals: ~~19 Nov 2017~~ **15 Dec 2017**
Paper submission: ~~22 Dec 2017~~ **15 Feb 2018**
Notification of acceptance: ~~28 Feb 2018~~ **10 Mar 2018**
Tutorial proposals: **28 Feb 2018**
Final paper submission: **31 Mar 2018**
Tutorial day: **15 May 2018**
Conference dates: **15-18 May 2018**

REGISTRATION FEES

IES members:	
Early registration fee	39000 RUB
Late registration fee	42000 RUB
IEEE Members:	
Early registration fee	42000 RUB
Late registration fee	45000 RUB
Early student fee	16000 RUB
Late student fee	17500 RUB
Non-members:	
Early registration fee	48000 RUB
Late registration fee	51000 RUB
Student registration early fee	18000 RUB
Student registration late fee	19500 RUB

Registration fee includes: attendance of all sessions, electronic conference proceedings, program and abstracts volume, refreshments during the conference, welcome reception, farewell reception, and conference banquet.

CONFERENCE SECRETARIAT

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