

## 1<sup>st</sup> IEEE International Conference on Industrial Cyber-Physical Systems ICPS2018

### *Special Session on*

### **“SECURITY FOR INDUSTRIAL CYBER-PHYSICAL SYSTEMS”**

#### **organized by**

Principal Organizer: Igor KOTENKO (Email: [ivkote@comsec.spb.ru](mailto:ivkote@comsec.spb.ru))  
Affiliation: ITMO University, SPIIRAS

Organizer 1: Didier El Baz, (Email: [elbaz@laas.fr](mailto:elbaz@laas.fr))  
Affiliation: CNRS, ITMO University

#### **Call for Papers**

##### **Scope of the Special Session** (~200 Words):

Complexity of cyber-physical security is caused by a dynamic nature of heterogeneous cyber-physical industrial devices securely operating and interacting with elements of a changing physical environment of distributed network, cloud and mobile based solutions. Special Session on "Security for Industrial Cyber-Physical Systems" aims to bring together researchers and practitioners handling techniques, algorithms and protocols for the collection and processing security information in industrial cyber-physical systems, cryptographic protection, authentication, secure information transfer, security analysis, simulation of cyber-physical attacks, visualization of security data and implementation of countermeasures for the protection of information to exchange ideas and to learn the latest developments in this important field.

##### **Topics of interest include, but are not limited to:**

- Cloud-based cyber-physical security;
- Authentication, authorization and access control in cyber-physical systems;
- Cyber-physical security modeling and simulation;
- Security protocols for cyber-physical systems;
- Big data for cyber-physical security;
- Security evaluation of cyber-physical systems;
- Security of smart home infrastructure;
- Security of robotic complexes;

- Secure infrastructure of railway transport;
- Security of road infrastructure, including road transport management systems;
- Secure infrastructure of the energy and water supply system;
- Secure infrastructure of the mobile communication network;
- Security of Bodynets;
- Security policies in cyber-physical systems;
- Applied cryptography for cyber-physical systems;
- Data mining, machine learning, and bio-inspired approaches for cyber-physical security;
- Risk analysis and risk management for cyber-physical systems;
- Survivability of cyber-physical systems;
- Network and cyber-physical forensics.

**Submissions Procedure:** All the instructions for paper submission are included in the conference website <http://icps2018.net/>

**Deadlines:**

Deadline for submission of papers:	<del>22 Dec 2017</del>	<b>15 Feb 2018</b>
Notification of acceptance of papers:	<del>28 Feb 2018</del>	<b>10 Mar 2018</b>
Final manuscripts due:	31 Mar 2018	

**Session chair**

Igor V. Kotenko, ivkote@comsec.spb.ru, ITMO University, SPIIRAS

**International Program Committee (Reviewers) for the Special Session**

Fabrizio Baiardi, baiardi@di.unipi.it, University of Pisa, Italy

Didier El Baz, elbaz@laas.fr, The National Center for Scientific Research (CNRS), France

Sergey V. Bezzateev, bsv@aanet.ru, ITMO University, Russia

Hakima Chaouchi, hakima.chaouchi@telecom-sudparis.eu, Telecom Sud Paris, Institut Mines Telecom, France

Andrey A. Chechulin, chechulin@comsec.spb.ru, St. Petersburg State University of Telecommunications, Russia

Yannick Chevalier, yannick.chevalier@irit.fr, Paul Sabatier University, Toulouse III, France

Miguel Correia, INESC-ID, Instituto Superior Tecnico, Universidade de Lisboa, Portugal

Vasily A. Desnitsky, desnitsky@comsec.spb.ru, St. Petersburg State University of Telecommunications, Russia

Elena V. Doynikova, doynikova@comsec.spb.ru, SPIIRAS, ITMO University, Russia

Felix Gomez Marmol, University of Murcia, Spain

Vladimir Oleshchuk, vladimir.oleshchuk@uia.no, University of Agder, Norway



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Igor B. Parashchuk, parashchuk@comsec.spb.ru, Signal Academy, Russia

Roland Rieke, roland.rieke@gmx.de, Fraunhofer-Institute for Secure Information Technology SIT, Germany

Igor B. Saenko, ibsaen@comsec.spb.ru, SPIIRAS, Russia

Martin Strecker, martin.strecker@irit.fr, Paul Sabatier University, Toulouse III, France