# IEEE INFOCOM Workshop on Cross-Layer Cyber-Physical Systems Security (INFOCOM-CPS) 2016

## **Call for Paper**

The research of Cyber-Physical Systems (CPS) security addresses the security issues among close interactions and feedback loop between the embedded cyber components for computing and control and the dynamic physical components that involve mechanical components, human activities and surrounding environment. Example CPS systems include automotive and transportation systems, smart home, building and community, smart battery and energy systems, surveillance systems, cyber-physical biochip, and wearable devices. The recent advances of manufacturing technologies, system integrations and software platforms bring enormous challenges and opportunities for CPS design and implementation. However, the increasing complexity of networked computing systems makes modern network systems vulnerable to various attacks against their resources, infrastructure, and operability.

INFOCOM-CPS 2016 is a workshop technically supported by IEEE Technical Committee on CPS (<a href="www.ieee-cps.org">www.ieee-cps.org</a>) and it is dedicated to cross-layer cyber-physical system security. The topics of interest include, but are not limited to:

- Cross-layer network modeling and optimization for CPS Security
- Real-time system design and scheduling for CPS Security
- Resilient and robust network system design for CPS Security
- User privacy in CPS
- Sustainability for CPS
- Security in emerging applications such as automotive and transportation system, smart energy system, internet of things, biomedical system and smart health
- Cross-layer solutions for CPS protection
- Cross-layer hardware/software attacks and protections
- Hardware-supported trustworthy CPS platforms
- Topographic and data flow modeling for cyber physical system security
- Countermeasures for backdoors and in the software-hardware interface
- Formal verification for CPS Security

#### **Submission Details**

Paper submissions need to be made through

https://easychair.org/conferences/?conf=infocomcps2016. Each submission is required to be in PDF format, and no more than **6 pages** (including the abstract, figures, tables, and references) in a double column format. For detailed instructions for submission, please refer to http://www.ieee-cps.org/INFOCOM-CPS-2016/cfp.html.

#### **Important Dates**

Full paper due: Friday, January 15, 2015 (11:59pm EDT)
Notification of acceptance: Friday, February 19, 2016 (11:59pm EDT)

Workshop date April 13-15, 2016

#### **Workshop Program Co-Chairs**

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