Call for Contributions for

Submission:
1. Inform the Chair: with the Title of your Contribution
2. Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=CYBER+2017+Special
Please select Track Preference as **CYPHY**

Special track
CYPHY: Security Issues and Solutions for Cyber-Physical Systems

Chair and Organizer
Mirco Marchetti, Ph.D., Researcher at the
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along with
CYBER 2017, The Second International Conference on Cyber-Technologies and Cyber-Systems
http://www.iaria.org/conferences2017/CYBER17.html
November 12 - 16, 2017 - Barcelona, Spain

Computers and communication networks pervade modern societies and power industrial processes, economic transactions and social interactions. Software and computers connected to the Internet underpin virtually any device and process: from cheap wearable gadgets to the expensive robots of Industry 4.0, from home automation to smart cities, from IoT to e-Health. All the previous examples are instances of Cyber-Physical systems, in which sensors and actuators that measure and modify some aspect of the "real world" are strictly coupled with programmable logic and computer networks. The diffusion of Cyber-Physical systems opens novel opportunities for compelling applications that have great impacts on our daily life, but on the dark side, it paves the way to novel cyber threats with direct effects on the physical safety of human beings.

This special track aims to collect original research focused on the security of Cyber-Physical systems, including the identification of novel vulnerabilities, innovative monitoring and attack detection strategies, and original solutions to prevent compromise or mitigate the effects of cyber-attacks.

Topics include, but not limited to:
- Security for Industry 4.0
- Automotive security
- IoT security
- Security for Smart Cities
- Vulnerabilities of Cyber-Physical systems
- Security monitoring and intrusion detection for Cyper-Physical systems
- Security analytics applied to the Cyber-Physical domain
- Novel solutions for improving the security of Cyber-Physical systems
- Security by design in Cyber-Physical systems
- Software and hardware solutions for limiting safety consequences of attacks to Cyber-Physical systems

Important Datelines
- Inform the Chair: As soon as you decided to contribute
- Submission: October 4
- Notification: October 11
- Registration: October 18
- Camera ready: October 18

Contribution Types
- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Paper Format
- See: http://www.iaria.org/format.html
- Before submission, please check and comply with the editorial rules: http://www.iaria.org/editorialrules.html

Publications
- Extended versions of selected papers will be published in IARIA Journals: http://www.iariajournals.org
- Print proceedings will be available via Curran Associates, Inc.: http://www.proceedings.com/9769.html
- Articles will be archived in the free access ThinkMind Digital Library: http://www.thinkmind.org

Paper Submission
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Registration
- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at http://www.iaria.org/registration.html

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