WELCOME TO

CPSED 2017

CPS Ed · 2017
Organisation

- [ ] http://cpsed.org
- [ ] WIFI access
- [ ] Coffee
  - [ ] Room B 316
- [ ] Lunch
  - [ ] Follow the organizer in the Télécom ParisTech maze
- [ ] Local Organizers
  - [ ] People with the red badge
Social event

- Dinner and Cruise in a "Bateau Mouche"
- 2 metro tickets
- How many vegetarian meals?

**IMPORTANT:**

19:45 at last at the departure platform

Pier number 5 at “Port de la Conférence”.

Boat: “Le Zouave”.

Many Thanks to

Koç Lab
Ecole Normale Supérieure Télécom ParisTech
NSF
Sandia National Laboratories
Opening and Introduction
08:30-09:00 | Patrick Duvaut and Çetin Kaya Koç

Reinforcement Learning for Cyber-Physical Safety Engineering
09:00-09:45 | Sam Green, Jieliang Luo, and Çetin Kaya Koç

Monitoring the state of the physical plant in a CPS to detect and counter benign faults and malicious attacks
9:45-10:30 | Israel Koren

Break | 10:30-11:00

Design and Verify CPS with a CSP Approach
11:00-11:45 | Alexandre Chapoutot

Promoting Cyber-Physical Education through Cyber Defense Competitions
11:45-12:30 | Nathaniel Evans, Benjamin Blakely, and Jennifer Fowler

Lunch | 12:30-14:00

Extended Math Programming as a Framework for CPS Models and Analysis
14:00-14:45 | John D. Sirola and Carl D. Laird

Value-Focused Assessment of Cyber-Physical Security Education for Critical Infrastructure Protection
14:45-15:30 | Juan Lopez Jr. and Gurpreet Dhillon

Teaching theoretical foundations of CyberPhysical Systems: Overview and Challenges
15:30-16:15 | Georgios Fainekos

Break | 16:15-16:45

Embedded Classifiers for Energy Constrained IoT Network Security
16:45-17:30 | Jennifer Hasler and Sahil Shah

Attack tree construction: an application to the connected vehicle
17:30-18:15 | Khaled Karray, Jean-Luc Danger, Sylvain Guilley, and Moulay Abdelaziz El Aabid
Program Day 2

Robust Digital Computation in the Physical World
09:00-09:45 | Jackson Mayo

"Beyond Moore’s Law" Accelerators for Cyber-Physical Systems
09:45-10:30 | Sam Green, İhsan Çiček, and Çetin Kaya Koç

Break | 10:30-11:00

Transmedia Learning Tactics for Enhancing Hands-On Cybersecurity Training & Education
11:00-11:45 | Elaine M. Raybourn

Advancing Vehicle Cybersecurity Education through Simulation and Test Environments
11:45-12:30 | Jennifer Fowler, Roland Varriale, and Nathaniel Evans

Lunch | 12:30-14:00

14:00-14:45 | Gianluca Bianchin and Fabio Pasqualetti

Why we should care about parallel programming in securing Cyber-physical systems
14:45-15:30 | Sandro Bartolini and Biagio Peccerillo

The multiple ways to automate the application of software countermeasures against physical attacks: pitfalls and guidelines.
15:30-16:15 | Nicolas Belleville, Thierno Barry, Damien Couroussé, Karine Heydemann, Henri-Pierre Charles, and Bruno Robisson

Break | 16:15-16:45

Challenges in cyber security - Ransomware Phenomenon
16:45-17:30 | Emil Simion and Vlad-Raul Pasca

Dinner
19-45 | Bateau mouche