



5th

Control System Cyber-Security Workshop

- **The summary**



<https://www.youtube.com/watch?v=qBwjazPvecU>



Global nuclear facilities 'at risk' of cyber attack

5 October 2015 | Technology

BBC



Hacking Baby Monitors is dramatically easy

September 3, 2015 By Pierluigi Paganini

The Switch

Could hackers take down a city?



The Washington Post

low @kansasalps

ars technica

MAIN MENU MY STORIES: 1 FORUMS SUBSCRIBE JOBS

Ars Technica has arrived in Europe. [Check it out!](#)

RISK ASSESSMENT / SECURITY & HACKTIVISM

Fiat Chrysler “connected car” bug lets hackers take over Jeep remotely

Exploits demonstrated for Wired included shutting engine, brakes off.

by Sean Gallagher - Jul 21, 2015 5:22pm CEST



COMPUTERWORLD

Popular Now:



Home > Security > Cybercrime & Hacking



SECURITY IS SEXY

By Darlene Storm | Follow

About

Most security news is about insecurity, hacking and cyber threats, bordering on scary. But when security is done right, it's a beautiful thing...sexy even. Security IS sexy.

NEWS ANALYSIS

Hack to steal cars with keyless ignition: Volkswagen spent 2 years hiding flaw



Summary of the 5th Control System Cyber-Security Workshop
Dr. Stefan.Lueders@cern.ch et al.
ICALEPCS2015, October 19th-23rd, Melbourne (AUS)

From the Newsroom...

Anonym
User ID
United
05/25/2
Report
Report



 <http://icalepcs2015.org/>



   [XXX~HACKER TI



<< [Hacked By:] >>

4R13 60ndr0n9

WE ARE
ANONYMOUS
WE ARE LEGION
WE DO NOT FORGIVE
WE DO NOT FORGET
EXPECT US !

<< [XXX-HACKER TEAM] >>

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~30 participants from four continents

Six in-depth presentations &
an awesomely lively discussion session

	Introduction to the 4th Control System Cyber-Security Workshop	<i>Dr. Stefan LUEDERS</i>
	<i>Room 108, Melbourne Convention and Exhibition Centre (MCEC)</i>	09:30 - 09:45
	Centralized configuration of Role-Based authentication in JCOP Framework	<i>Lorenzo MASETTI</i>
10:00	<i>Room 108, Melbourne Convention and Exhibition Centre (MCEC)</i>	09:45 - 10:15
	Coffee Break	
	<i>Room 108, Melbourne Convention and Exhibition Centre (MCEC)</i>	10:15 - 10:45
	DAQ control system for multi-beamline simultaneous experiments at SACLA	<i>Takashi SUGIMOTO</i>
11:00	<i>Room 108, Melbourne Convention and Exhibition Centre (MCEC)</i>	10:45 - 11:15
	Cyber Security Assessment of the Spallation Neutron Source at Oak Ridge National Laboratory	<i>Karen WHITE</i>
	<i>Room 108, Melbourne Convention and Exhibition Centre (MCEC)</i>	11:15 - 11:45
	Testing device robustness with fuzzing	<i>Brice COPY</i>
12:00	<i>Room 108, Melbourne Convention and Exhibition Centre (MCEC)</i>	11:45 - 12:15
	Finding Our Skeletons: Information Security Assessment of CERN Access and Safety Systems	<i>Timo HAKULINEN</i>
	<i>Room 108, Melbourne Convention and Exhibition Centre (MCEC)</i>	12:15 - 12:45
	Lunch Break	
13:00	<i>Room 108, Melbourne Convention and Exhibition Centre (MCEC)</i>	12:45 - 13:45
	5 Challenges Securing the LHC	<i>Stefan LUEDERS</i>
14:00	<i>Room 108, Melbourne Convention and Exhibition Centre (MCEC)</i>	13:45 - 14:15
	Discussions	<i>Dr. Stefan LUEDERS</i>
15:00	<i>Room 108, Melbourne Convention and Exhibition Centre (MCEC)</i>	14:15 - 15:15
	Coffee Break	
	<i>Room 108, Melbourne Convention and Exhibition Centre (MCEC)</i>	15:15 - 15:45

<https://indico.cern.ch/event/348695/>



Security as important than ever, but under-resourced and a pain

Silver-bullet: Granular access control & enhanced access protection (2-factor AuthN)

Trend to further split dev's from op's

**Formalized approaches (e.g in DoE labs):
NIST 800-82, security compliance audits, pen-testing, protocol fuzzing**

Creating network island with few cross-communication "choke points"

A big thank you to the presenters, the participants and the conference program committee & staff!

