(CS)²/HEP

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

The Switch
Could hackers take down a city?

The Washington Post

Hacking Baby Monitors is dramatically easy

September 3, 2015 By Pierluigi Paganini

arstechnica

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Ars Technica has arrived in Europe. Check it out!

RISK ASSESSMENT / SECURITY & HACKTIVISM

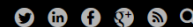**Fiat Chrysler "connected car" bug lets hackers take over Jeep remotely**

Exploits demonstrated for Wired included shutting engine, brakes off.

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

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COMPUTERWORLD

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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…

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Crikey or Blimey

~30 participants from four continents

Six in-depth presentations &
an awesomely lively discussion session

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

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

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

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

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

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

Trend to further split dev's from op's

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

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"Take away's"