Announcement and Call for Papers

2nd escar USA – Embedded Security in Cars Workshop

June 18 – 19, 2014
Detroit Metropolitan Area, MI, USA

www.escar.info

Important Dates

Submission deadline:
March 15th, 2014

Acceptance notification:
April 15th, 2014

Final paper due:
May 15th, 2014

Conference Organization

Steering Committee

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Sponsorship Opportunities

Please contact the Organizing Committee if your organization is interested in sponsoring escar USA 2014 .

Program and Registration Information

Complete program and registration information will be available soon on www.escar.info. From there you can also join our mailing list to receive the latest escar conference information.

Overview and Topics

Information technology is the driving force behind most innovations in the automotive industry. Even compact vehicles come with dozens of interconnected microprocessors, several hundred megabytes of software, and integrated communication capabilities to the outside world. The situation is similar for commercial vehicles such as trucks.

One crucial aspect of most electronic automotive applications is cyber security. While automotive safety is a well-established field, the protection of automotive electronic systems against manipulation has recently started to emerge. At the same time, automotive cyber security will be an enabling technology for many – perhaps most – future automotive IT applications. Cyber security will increase safety, while enabling and protecting various new business models.

The escar series of workshops, held annually in Europe, the USA, and Asia, has established itself as the premier forum for information, discussion and exchange of ideas in this important field. As in previous years, the program will include invited talks and submitted papers in the following areas:

– Security engineering, formal methods, development & validation, security standardization and security economics for the automotive domain
– Security of vehicle-driven business, maintenance and service models
– Privacy and data protection issues in vehicular settings
– Vehicular hardware security and hardware security modules (HSM's)
– Security of vehicular communications (on-board, passenger, and V2X)
– Security of software downloads and open vehicle application platforms
– Security of vehicular component protection solutions
– Vehicle cyber intrusion detection systems and incident response
– Security of legal car applications (e.g., event data recorder, tachometer)
– Security of road pricing, restricted areas access and vehicle monitoring
– Security of vehicle theft prevention and theft response solutions
– Security of vehicular rights control and audit (e.g., feature activation)
– Security of future vehicle applications (e.g., electric vehicles, ITS)
– Security of other transport systems (e.g., rail, aerospace)

Instructions for Paper Submission

Theoretical/scientific articles, case studies and real-world experiences are welcome. All submissions will be peer-reviewed. Prospective authors should contact one of steering committee members in case they have a doubt about the appropriateness of their submission for the conference. Two types of submissions are possible.

Full papers of up to 10 pages: This can be, for example, new research results, case studies, or state-of-the-art reports. The value to the escar community should be clearly demonstrated.

Extended abstracts of 1 page: This category is particularly geared towards contributions from industry, e.g., describing new developments in industrial research or applications. No full paper will be required later but only an oral presentation.

For both types, the text must be in English, the font size should be at least 10pt, and the type of submission (i.e., full paper vs. extended abstract) must be indicated on the title page. Submissions do not need to be anonymous.

Submissions will be accepted at escar's submission site in PDF format only. https://www.easychair.org/conferences/?conf=escarusa2014