

9th escar – Intl. Conference on Embedded Security in Cars

November 9th – 10th, 2011
Dresden, Germany

www.escar.info

Important Dates

Submission deadline:
July 1st, 2011, 24:00 CET

Acceptance notification:
September 1st, 2011

Final paper due:
October 1st, 2011

Conference Organization

Program Chairs

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Program Committee

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Sponsorship Opportunities

Interested in sponsoring escar'11?
Please contact the Organizing Committee!

Program and Registration Information

Complete program and registration information will be available in April 2011 on www.escar.info. 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. Today even compact vehicles have a few tens of interconnected microprocessors with up to 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 many IT applications in vehicles is IT security. Whereas IT safety is a relatively well established (if not necessarily well understood) field, the protection of automotive IT systems against manipulations has only very recently started to emerge. At the same time, security will be an enabling technology for many – perhaps for most – future automotive IT applications. IT security will increase both, reliability and safety, while enabling and protecting various new business models.

The escar conference, now in its 9th year, has established itself as the premier forum for information, discussion and exchange of ideas in this innovative field. As in previous years, the program will include invited talks and submitted papers in the following areas.

- Security engineering, formal methods, development & validation tools, security standardization and security economics for automotive domain
- Security of vehicle-driven business, maintenance and service models
- Identity theft, privacy and data protection issues in vehicular settings
- Vehicular hardware security and hardware security modules
- Security of vehicular on-board, passenger, and V2X communications
- Security of software downloads and open vehicle application platforms
- Security of vehicular component protection solutions
- Security of legal car applications (e.g., event data recorder, tachograph)
- 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 cars, ITS)
- Security for other transport systems (e.g., railways, 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 the program chairs 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 for the escar community should be clearly demonstrated.

Extended abstracts of 2-3 pages: This category is particularly geared towards contributions from industry, e.g., describing new developments in industrial research or applications.

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=escar2011>