The Premier Automotive Cybersecurity Event

escar
Embedded Security in Cars



June 8-10, 2027
Sheraton Detroit, Novi
Novi, Michigan

Presented by: ETAS

2027 CALL FOR PAPERS

OVERVIEW AND TOPICS

Information technology is the driving force behind most innovations in mobility, supporting connectivity, infotainment, software-defined vehicles (SDVs), electrification, and automation applications.

Cybersecurity is a crucial aspect of most mobility electronic applications. The escar conference series, held annually in Europe and the U.S., is the premier forum for information, discussion and exchange of ideas on all aspects of vehicle cybersecurity and privacy.

The escar USA 2027 program will include Industry and Academic invited talks, selected submitted papers and presentations, and a poster session.

Areas of focus for papers, presentations and posters:

- Cybersecurity for autonomous vehicles
- Cybersecurity of sensors and cyber-physical systems
- Design of resilient vehicle architectures and applications
- Privacy and data protection issues in mobility settings
- Vehicular hardware security and hardware security modules
- Security of vehicular communications
- Electric vehicle charging security
- Legal aspects of automotive cybersecurity
- Security economics and metrics
- Cybersecurity process and regulations
- Vehicle cyber intrusion detection systems, forensics, and incident response
- Security of legally mandated applications (e.g., event data recorder, ELDs, tachograph)
- Security of vehicle cloud-based infrastructure
- Security of vehicle theft prevention and theft response solutions
- Vehicle-related fraud and data tampering (odometer, warranty fraud, etc.)
- Security of vehicular rights control and audit (e.g., feature activation)
- Security of vehicular position, navigation, and timing
- Security aspects of self-driving vehicle sensing systems
- Security implications of AI used in a vehicle context
- Security of vehicle-driven business, maintenance, and service models
- Cybersecurity-related engineering, formal methods, software assurance, development & validation, and security standardization
- Tools to support development and security of vehicles and modules
- Application Programming Interface (API) vulnerabilities
- New standards and regulations (e.g., ISO/SAE 21434 and UNECE WP.29 R155/R156)

INDUSTRY PAPER/PRESENTATION SUBMISSIONS

escar USA welcomes submissions focused on lessons-learned, innovative practices, case studies and descriptions of real-world experiences. All submissions will be double-blind, peer-reviewed by members of the escar USA Program Committee.

Two types of submissions will be accepted:

- Full papers (up to 10 total pages): Examples of these submissions include new research results, case studies or state-of-the-art reports. The value to the escar community should be clearly demonstrated.
- Presentation abstracts (3-5 full pages): These submissions should focus on contributions from industry and government. The submitted abstract should clearly outline the content of the planned presentation and its value to the escar community – a full paper is NOT required.

ACADEMIC PRESENTATION/PAPER SUBMISSIONS

escar USA invites submissions of applied, pre-competitive vehicle security research that bridges the gap between academic rigor and real-world impact. We seek contributions that move beyond theory to demonstrate experimentally verified results, working proof-of-concept systems, leveraging open or publicly available datasets.

All submissions will be double-blind, peer-reviewed, primarily by academic members of the escar USA Program Committee, with additional insight from industry Program Committee members. Submissions will be evaluated on technical soundness, innovation, experimental rigor, and practical relevance to the automotive industry.

continued ...

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ACADEMIC PRESENTATIONS continued ...

Submission requirements:

- No more than 6 pages in length, excluding references
- Emphasize applied contributions in security and safety, including:
  - Experimental validation through prototypes, testbeds, or simulation environments
  - Quantitative results supported by open datasets or reproducible methodologies
  - Insights that are directly relevant to automakers, Tier suppliers, or mobility operators

POSTER SUBMISSIONS - NEW FOR 2027!

A separate submission process, **beginning April 20**, will be held for posters. This is for those who don't have enough material for a full paper/presentation, but have valuable information to share with the mobility cybersecurity community.

Submission requirements:

- No more than 2, single-spaced pages in length.
- Describe poster content/focus.

IMPORTANT SUBMISSION NOTES

- All submissions must be written in English with a minimum 10-point font, single-spaced, anonymous (i.e., no identifying features such as obvious references) and in a PDF format.
- Submitted abstracts that are less than 3 full, single-spaced pages (Industry); more than 6 full, single-spaced pages (Academic); or more than 2 full, single-spaced pages (Posters) will be immediately rejected.
- We reserve the right to reject marketing-driven submissions and those that lack enough details to warrant a review.
- Authors may use generative AI tools to help draft, edit, polish, or organize their submissions. However, authors remain fully responsible for everything they submit, including its accuracy, originality, and integrity.

Submissions for escar USA are accepted at the escar USA's submission site (EasyChair). If you haven't used EasyChair before, you will be required to create an account.

2027 escar USA COMMITTEES

Our Steering and Program Committees consist of cybersecurity experts from industry, government and academia. The list can be found on the Call for Papers page.

FREQUENTLY ASKED QUESTIONS

Q: Do submissions have to cover one of the provided topics?
A: No, the list of topics is not comprehensive, it's a sampling of topics appropriate for the event's technical agenda. We will consider submissions focused on any topic that would be of interest to mobility cybersecurity professionals.

Q: What do reviewers look for in submissions?
A: Key criteria for **industry** submissions include relevant topics (e.g., applicability to practical implementations, new vulnerabilities and countermeasures, trends, summaries, new directions, etc.), novelty and innovation, value to the escar audience, technical accuracy, clarity, and good writing. **Academic** submissions will be evaluated on technical soundness, innovation, experimental rigor, practical relevance to the mobility industry, clarity, and good writing.

Q: What is the review process?
A: The escar USA Steering Committee does an initial review to ensure the submission meets the basic requirements. Those that are deemed review-worthy are assigned to escar USA Program Committee members. All submissions will be double-blind, peer-reviewed; academic submissions will be reviewed primarily by academic members of the committee, with additional insight provided by industry members. Once reviews are completed, individuals will be notified of the Program Committee's decision.

Q: Does a submission need to be exclusive to escar USA?
A: No, topics submitted to or presented at escar USA can be those submitted to or presented at other cybersecurity events.

Q: How technical should my submission be?
A: escar USA is a highly technical conference, so information presented is expected to be technical in nature, not a high-level overview of a topic.

Q: Can I view presentations from previous escar USA events?
A: Yes, if the author provided permission, presentations are available in the Download section of the main escar site. This area is password protected; signing up is free and does not require event attendance.

Q: Who attends escar USA?
A: escar USA brings together individuals focused on mobility cybersecurity from industry (e.g., OEM, supplier, vendor), academia, and government organizations.

MARK YOUR CALENDAR!
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PRESENTATION/PAPER SUBMISSIONS
DEADLINE: Feb. 2, 2027
NOTIFICATION: April 19, 2027

POSTER SUBMISSIONS
(opens April 20)
DEADLINE: April 27, 2027
NOTIFICATION: May 6, 2027