January 27-28, 2026 | Chicago

EV and Connected Vehicles Cybersecurity Forum

Securing the Evolving Smart Vehicle Ecosystem

As electric and connected vehicles evolve into "software-defined" platforms—projected to underpin a $400–600 billion market by 2030—their reliance on continuous connectivity, vast codebases, and over-the-air updates has created a fertile landscape for cyberattacks.

Beyond infrastructure and policy, the sheer complexity of modern vehicle software stacks—often exceeding 100 million lines of code—and insufficient in-vehicle network segmentation continue to expose critical vehicle functions to lateral attack paths. This underscores an urgent need for unified testing methodologies, comprehensive supply-chain security measures, and robust lifecycle management to secure the future of connected mobility.

The **EV and Connected Vehicles Cybersecurity Forum**, January 27-28, 2026 in Chicago focuses on emerging cybersecurity threats to electric and connected vehicles and success strategies for addressing these challenges. The goal is to equip industry professionals with the insight and tools they need to ensure the integrity and operations of critical EV and EVSE systems going forward.

Topics to be Addressed Include:

Organized by SGO Smart Grid Observer

- The Evolving Threat Landscape for EVs
- Charging Infrastructure Security
- In-Vehicle Network & Software Architectures
- Over-The-Air Update Mechanisms
- Supply-Chain Risk Management
- Penetration Testing EV Systems
- Integrating cybersecurity by design in EV development
- Global trends in vehicle cyberattacks
- Charger-to-vehicle attack vectors
- Smartphone-to-vehicle authentication frameworks
- Regulatory & Standards Update
- Keyless & Mobile-Based Threats
- AI & Machine-Learning in EV Security

- Incident Response & Forensics
- Cross-industry information sharing (ISACs)
- Research frontiers: quantum-safe communications, V2X security
- Cybersecurity in autonomous vehicles
- Safeguarding Vehicle-to-Grid communications and interconnection
- Real-world injection and spoofing attack demos
- Coordinated vulnerability disclosure across OEMs
- Insurance, liability, and cyber-risk underwriting
- And more

Forum Audience

- Automotive OEMs & Tier-1 suppliers
- Charging network operators and station integrators
- Cybersecurity professionals
- Regulatory and standards bodies representatives
- Telecommunications and connectivity providers
- Insurance and risk management professionals

- Law enforcement and CERTs
- Electric utility and vehicle-grid-integration specialists
- Researchers and analysts
- Consultants and system integrators
- Financial and strategic investment professionals

https://evcvforum.com

Preliminary Agenda *(Note: subject to change)*

Driving the Future Securely -- An Overview of EV & Connected Vehicle Cybersecurity

- The convergence of EV and telematics systems and their shared cyber-risk profile
- How vehicle electrification changes traditional threat models
- Core pillars of a robust mobility cybersecurity strategy
- The broader socio-economic impacts of vehicle cyber incidents

Navigating Today's Threat Landscape: EV & CV Attack Vectors

- Top EV/CV attack vectors observed in recent penetration tests
- How independent researchers are uncovering multi-stage exploits
- The role of the wider mobility ecosystem (chargers, apps, cloud) in introducing risk
- Defensive countermeasures tailored to each attack class

Secure by Design: Building Resilient EV Architectures

- Architectural best practices for EV and connected-vehicle platforms
- Zonal and domain controller approaches from a security standpoint
- Hardware root-of-trust and secure boot in EV control systems
- Fail-safe mechanisms for detecting and isolating compromised modules
- Balancing security controls with performance, cost, and usability constraints

Over-the-Air Updates & Supply Chain Integrity

- Mapping an end-to-end OTA update workflow with integrated code signing and attestation
- Deploying mechanisms to ensure firmware integrity and authenticity in the field
- Mitigating risks posed by third-party and open-source dependencies
- Establishing rollback and "fail-safe" policies to prevent bricked vehicles

Incident Response & Forensics for EVs

- Incident response playbook specific to EV/CV scenarios
- Instrument vehicles and backend services for effective logging and telemetry
- Forensic extraction from in-vehicle networks and ECUs
- Coordinating with legal, regulatory, and PR stakeholders post-incident

Securing In-Vehicle Networks & Telematics

- Message authentication and anomaly detection on CAN and FlexRay
- Segmenting high-risk domains using automotive Ethernet VLANs and firewalls
- Hardening telematics gateways against protocol-level exploits
- Integrating network-level security with ECU-level protections

AI & Machine Learning for Real-Time Threat Detection

- Appropriate ML algorithms for automotive anomaly detection
- Gathering and curating training data from diverse sensor and network sources
- Model performance under adversarial conditions
- Lightweight inference engines for resource-constrained ECUs

Case Studies & Lessons Learned

- Best practices from recent EV/CV security incidents
- Common organizational pain points in security rollout
- Cross-team collaboration to accelerate remediation
- Translating lessons learned into actionable policy and process improvements

Regulatory & Standards Roadmap

- UNECE WP.29, ISO/SAE 21434, and regional regulations
- Integrating CSMS requirements into existing quality and safety processes
- Future regulatory trends in EV and CV security
- Preparing audit-ready documentation to demonstrate compliance

Roadmap to Resilience: Charting the Next Decade

- Next-gen R&D themes: V2X, zero-trust, quantum-safe cryptography
- Cross-industry collaboration for end-to-end ecosystem security
- Aligning enterprise roadmaps with anticipated regulatory shifts
- Continuous improvement through red-teaming and threat intelligence

Speaking Opportunities

Individuals who wish to deliver a stand-alone 30-minute presentation or organize a 60-75 minute panel session with multiple panelists are invited to submit the following:

1. Name of speaker(s), title, company, and contact information
2. Presentation title (or title of panel or roundtable)
3. Abstract and objective of presentation or session (150 words)
4. Speaker or panelist biographies and photos
5. Bullet list of 3-4 Key Learning Points from the presentation or panel session
6. Session type (from list above)

Proposals should be emailed to speak@smartgridobserver.com by Friday, **October 24, 2025**

We ask that proposals be non-commercial in nature. Submissions will be carefully reviewed by the Program Advisory Group to ensure depth and relevance to the program. Presentations that emphasize case studies, best practices, and real-world results are encouraged.

For further information or to discuss a possible presentation, feel free to contact us.

Previous Attendees at Recent SGO Forums on EV-Related Topics Include:

- AARGO EVsmart
- ABB
- AddEnergie
- AECOM
- Al Masaood LLC
- Alberta Electric System Operator
- AlphaStruxure
- Amazon
- American Wire Group
- Analytics Fire
- AnnDyl Policy Group
- Argonne National Laboratory
- Atlis Motor Vehicles
- Avivv LLC
- Baltimore Gas & Electric
- Bluewav-ai
- Bolt industries
- BorgWarner Inc.
- Boston Consulting Group
- bp pulse
- British Consulate-General, Houston
- Bronzeville Partners LLC
- Burns & McDonnell
- C&H Technology Inc.
- California Energy Commission
- Canadian Electricity Association
- Carleton University
- Catalyze
- CEATI International
- Centre for Environment, Human Rights & Development Forum
- CENTROSUR
- Chapel Hill Transit
- ChargeHub | Mogile Technologies Inc.
- ChargePoint
- Chicago Transit Authority (CTA)
- CIBC Capital Markets
- City of Anaheim Public Utilities
- City of Chicago
- CityVitae
- Clark University
- Commonwealth Edison
- Concordia Group
- Core One Consulting USA
- County of Los Angeles
- Cox Enterprises
- Customized Energy Solutions
- Danlaw Inc.
- Deepsea Developments
- Duke University
- Eaton
- Ecoenergi, LLC
- ecoPreserve
- Electric Conduit Construction
- Electric Power Board of Chattanooga
- Electrify America
- Enel X
- ESource

- EV Connect
- Fermata Energy
- Flash
- FMI Capital Advisors
- Ford Motor Company
- Francis Energy
- Franklin Electric
- Fullerton Engineering
- General Motors
- George Washington University
- Geotab
- Green Job Builders Inc
- Green Spark
- Green Ways 2 Go
- GTI Energy
- Guidehouse Insights
- Hancock-Wood Electric Cooperative
- HARTING
- Hawthorne CAT Power Systems
- HBK Engineering
- HEMBUS
- HP Legacy
- Hunt Energy Solutions
- IEEE Chicago Section
- Illinois Commerce Commission
- Illinois Environmental Protection Agency
- Illinois Finance Authority
- Illinois Institute of Technology
- Indiana Toll Road Concession Company
- Interstate Renewable Energy Council
- Inyo Energy
- Itron
- JCREMC
- Jitney EV
- Keysight Technologies
- Kiewit
- Kitu Systems
- KPMG
- Landis+Gyr
- Leidos
- Locusview
- Lubrizol Corp
- Megavolt
- Meruelo Enterprises Inc
- Metropolitan Mayors Caucus
- Microgrid Labs
- NACFE
- NARUC
- New Flyer of America
- New York Institute of Technology
- Nextech Energy Systems
- NextEnergy
- Niroo Research Institute
- Nissan North America
- Northern Virginia Electric Cooperative (NOVEC)
- NV Energy
- Omaha Public Power District
- Ondevan Campervan
- Own Engineering

- Pacific Gas & Electric
- Peyser Associates LLC
- Phoenix Mecano
- Pieper Electric
- Plugged in Strategies
- Port of Seattle
- Powering Chicago
- Primise, Inc.
- Prism Energy Services
- Puget Sound Energy
- PureB2B
- Purolator
- Quality Logic
- R3
- Resilient Power
- Rivian Automotive
- S&C Electric Company
- Salt River Project
- Schneider Electric
- SenKox Technologies
- Shared-Use Mobility Center
- Sicame North America
- Siemens
- Siemens Mobility
- SIR Capital Management
- Smart Energy Consumer Collaborative
- Southern California Edison
- Spinetic
- Stanford University
- Sternberg Lighting
- Sustainable Power Solutions
- Syracuse University
- The Brattle Group
- The Harbinger Group
- Touchstone Energy
- Tundra Process Solutions
- United Airlines
- U.S. Gain
- Ugesi Energy
- University of Illinois - Chicago
- UK Department for International Trade
- United Power
- Universal Air Filter
- University of Queensland
- University of San Diego
- University of Wisconsin
- Vellore Institute of Technology
- Vincere
- Volta Charging
- Washington CORE, L.L.C
- WeaveGrid
- WEC Energy Group
- WEL Networks
- West Monroe Partners
- Weston Solutions, Inc.
- Wieland Electric
- WiTricity
- Wood Mackenzie
- Xcel Energy

Sponsorship Packages

Gold - $4,500

- Tabletop exhibit space
- 3 complimentary Standard passes
- Top-level logo visibility in on-site signage, on event website and in all marketing communications
- Top-level logo recognition throughout the conference, during breaks and session introductions
- White paper or executive interview published on event website
- Attendee list and copy of presentation PDFs
- Corporate description with link on "Sponsors" page
- Post-conference communication with attendees

Silver - $3,500

- Tabletop exhibit space
- 2 complimentary Standard passes
- Attendee list and copy of presentation PDFs
- White paper or executive interview published on event website
- Prominent logo visibility in on-site signage, on event website and in all marketing communications
- Prominent logo visibility throughout the conference, during breaks and session introductions
- Corporate description with link on "Sponsors" page

Bronze - $2,500

- 1 complimentary Standard pass
- Attendee list and copy of presentation PDFs
- Prominent logo visibility in on-site signage, on event website and in all marketing communications
- Prominent logo recognition throughout the conference, during breaks and session introductions
- Corporate description with link on "Sponsors" page

Lanyard Sponsor   (one available)   **Platinum - $5,500**

Same deliverables as Gold above, plus logo on attendee lanyards

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Reception Sponsor   (one available)   **Platinum - $5,500**

Same deliverables as Gold above, plus logo acknowledgement (e.g., tent cards and signage) as sponsor of drink reception on July 15

To arrange your participation, contact:

Daniel Coran, Program Manager, dcoran@smartgridobserver.com

Event Partners

EVC&I (Electric Vehicle Charging and Infrastructure) is the authoritative global publication covering all the news and developments in the rapidly expanding market for electric vehicle charging and the required EV charging infrastructure. EVC&I is published by Route One Publishing Ltd (ROPL). Visit www.evcandi.com

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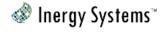## Organizations that have sponsored SGO Forums include:

Registration   https://evcvforum.com/register

Standard -- Equipment and software providers, auto OEMs, consultants, and services providers. $795.00
Early bird registration rate (available until December 19, 2025 - $895.00 thereafter)
Includes access to all conference sessions, networking breaks and lunches, drink reception,
attendee list, and presentation PDFs

Non-Profit – Government, Academic, Military and Non-Profit organizations. $695.00
Early bird registration rate (available until June 13 - $795.00 thereafter)
Note: .edu, .org, .mil or .gov email address required.

Event Venue

Chicago Conference Center
205 W. Wacker Drive, Chicago, Illinois

Located in downtown Chicago's Loop, the Conference
Center is steps away from the city's magnificent lakefront
with world-renowned Millennium and Grant Parks,
marvelous museums, restaurants and retail shopping.

>> Directions in Google Maps
>> Nearby Hotels

About the Organizer

The Smart Grid Observer is an online information portal and weekly e-newsletter serving the global smart energy
industry. SGO delivers the latest news and information on a daily basis concerning key technology developments,
deployment updates, standards work, business issues, and market trends driving the smart grid industry worldwide.

SGO organizes a number conferences each year on topics such as EV charging, V2G, industrial control systems
cybersecurity, microgrids, EV batteries, and next-gen smart grid technologies.

For a full list of upcoming and recent Forums, visit https://smartgridobserver.com/events

Sample Feedback on Recent SGO Forums on EVs:

I enjoyed this conference - it exceeded my expectations! I liked best the mix of utility and vendor participants
- Eric Lambert, EV Charging Product Manager, Hubbell

Great diversity of companies and good speech topics. Nice variety.
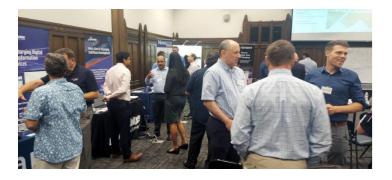*- Benjamin Spiro, Business Development American Wire Group*

Excellent and informative
- Jack McElligott, Emergency Fuel Management, Macro Logistics

Great presentations and variety of topics covered - great mix of thought leaders
- Pat MGinnis, Chief Strategy Officer, Tweddle Group

The Summit was great – informative and productive. The participants are deeply involved and fit the topic
- Palina Leibinskaya, CEO & Founder, TimeTick

I thought the conference was overall great due to the structure of the event and the diversity of presentations. *- Jack van Schoonenberg, Account Manager, Keysight Technologies*

Very good conference -- the format kept things moving.
- Rex Peckens, Director of Trades Technology, Lansing Community College

This has truly been an excellent experience in every way - well organized, well-rounded agenda, excellent speakers and good exhibits. There really wasn't anything that was not high quality at this conference. This was not only extremely informative but truly an exciting forum experience.
- Larisa Dobriansky, Chief Business & Policy Innovation Officer, General Microgrids