


# AUTOMOTIVE CYBERSECURITY WORKSHOP BY FEV

## KEY TAKEAWAYS

- Discover the automotive cybersecurity challenges, regulations (UNECE R155, R156, ISO/SAE 21434), and global standards driving compliance.
- Explore the practical methods and approaches for cybersecurity analysis and implementation, including the layered security model.
- Gain insight into penetration testing techniques, ethical hacking demonstrations, and vulnerability assessments specific to automotive systems.

December 12, 2024 

IHC, Delhi 

## AGENDA

<p><b>Automotive Cybersecurity</b></p> <ul style="list-style-type: none"> <li>• Introduction to Automotive Cybersecurity</li> <li>• Is your vehicle Cybersecure?</li> <li>• What is driving Cybersecurity for OEMs?</li> <li>• CSMS (UNECE R155), SUMS (UNECE R156) and ISO/SAE 21434</li> <li>• Challenges faced in CSMS &amp; SUMS roll out.</li> </ul> <p><b>Cybersecurity Analysis for Automotive</b></p> <ul style="list-style-type: none"> <li>• Goals of Cybersecurity Analysis</li> <li>• Methods of Cybersecurity Analysis</li> <li>• Cybersecurity Concepts for Automotive</li> <li>• Nuances of Cybersecurity Implementation</li> <li>• VSOC (Vehicle security operation center) vulnerability management post production</li> </ul>	<p>2:30-4:00 pm</p>
<p><b>Penetration Testing</b></p> <ul style="list-style-type: none"> <li>• Methods of Cybersecurity Validation</li> <li>• Overview of Attack surface and Attack vectors</li> <li>• Ethical Hacking in Automotive with live demonstration</li> <li>• Vulnerability Assessment for Automotive</li> <li>• Approaches of Penetration Testing</li> </ul>	<p>4:30-6:00 pm</p>