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Invited Talk
Cybersecurity in Motorsport and Automotive:
Protecting Performance and Data in the Digital Era

Omar Morando
Director of Cybersecurity OT, EY, Italy (Milano)
<https://www.ey.com/>

Abstract

In modern Motorsport and in the Automotive sector more broadly, in a hyper-connected environment, the convergence of mechanics, electronics, and software has made cybersecurity a strategic element in safeguarding competitiveness, data integrity, and operational safety. This presentation focuses on the specific cyber challenges these sectors face, with particular attention to the protection of telemetry communications, real-time control systems, in-vehicle networks (CAN, Ethernet), and the remote management of sensitive data. Through the analysis of real-world scenarios, potential attack vectors—ranging from digital sabotage to the manipulation of race parameters — will be highlighted, along with possible countermeasures. Emerging requirements in governance and technical compliance within the Automotive sector will also be examined, emphasizing how a robust cybersecurity strategy can become a true competitive advantage.

About the Speaker

Omar Morando is Director of Cybersecurity OT at EY. He is an OT cybersecurity expert, researcher, consultant and trainer. He has over 20 years of experience in the Industrial Automation OT/ICS (Industrial Control System) and Automotive domains. He is a trainer and speaker at international conferences on security and offensive techniques in the OT domain.

