Lighting Talk:

Cyber Security for Intelligent Autonomous Vehicles

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In-Vehicle Security

✓ Requirements as Cyber-Physical System
  - Cyber-physical systems (CPS) – networked software based systems that extensively interact with the physical world.
Automotive Cybersecurity

✓ On-board
  ▪ Malicious virus, intrusion detection, vehicle access control

✓ ITS/Vehicular clouds
  ▪ Message integrity, counterfeiting ID, invasion of privacy

✓ Artificial Intelligence and Autonomous Vehicle
  ▪ Passive Attacks
  ▪ Imagine New way of possible attacks to AI vehicles and make a Counterplan for the potential attacks
Ongoing work

✓ On going development: Blockchain based Secure Vehicle Communication

✓ Book: TITe: CYBERSECURITY FOR INTELLIGENT AUTONOMOUS VEHICLE
SUBTITLE: PERSPECTIVE, CHALLENGES AND FUTURE OF SECURE INTELLIGENT VEHICLES, Springer (under Writing)

✓ Workshop Organization

  ● Workshop:
    Secure Trust Environment Model for Intelligent Vehicles (STEM-IV-2018)

  ● Co-Located with IEEE World Forum-Internet of Things (WF-IoT), Feb, 05-08 2018, Singapore.
    • Last date Submission: 6th Oct. 2017
Thank You

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