NXP Joins Auto-ISAC to Collaborate on Security Challenges of Connected Cars

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EINDHOVEN, Netherlands, Feb. 24, 2017 (GLOBE NEWSWIRE) -- Today NXP Semiconductors N.V. (NASDAQ:NXPI), the world's largest supplier of automotive semiconductors and a leader in automotive cybersecurity, announced that it has joined the Automotive Information Sharing and Analysis Center (Auto-ISAC).

Auto-ISAC was formed by automakers to establish a secure platform for sharing, tracking and analyzing intelligence about cyber threats and potential vulnerabilities around the connected vehicle. Auto-ISAC operates as a central hub that allows members to anonymously submit and receive information to help them more effectively counter cyber threats in real time.

The automobile industry recognizes that the autonomous driving ecosystem — that includes wireless technologies that enable communications, telematics, digital broadcast reception, and ADAS systems — introduces risks for potential attack by hackers.

Best Practices and Auto-ISAC

NXP has joined the Auto-ISAC organization to help develop best cybersecurity practices for the automotive industry. Auto-ISAC published the Automotive Cybersecurity Best Practices Executive Summary, which outlines Auto-ISAC's development of informational guides that cover organizational and technical aspects of vehicle cybersecurity, including governance, risk management, security by design, threat detection and incident response. ISAC implements training and promotes collaboration with third parties. In the United States, 98 percent of vehicles on the road are represented by member companies in the Auto-ISAC.

Quotes:

"Cybersecurity for the automotive industry can only be addressed if carmakers, security experts, and government bodies join forces," said Lars Reger, CTO of NXP Automotive. "NXP, as a market leader in cybersecurity technology for eGovernment and banking applications, will bring its deep know-how into this organization. Cars require four layers of protection; secure interfaces that connect the vehicle to the external world; secure gateways that provide domain isolation; secure networks that provide secure communication between control units (ECUs); and secure processing units that manage all the features of the connected car. NXP is the leader in these critical areas and looks forward to sharing its expertise and collaborating with our industry partners to shape a secure future for the automated car."

NXP Security Facts:

- NXP has partnered with Argus Cyber Security to speed the adoption of cyber security solutions in vehicles. The Argus and NXP joint solution includes Argus' Intrusion Detection and Prevention System (IDPS) integrated with NXP's MPC5748G MCU. It can detect and prevent advanced cyber-attacks in real-time.
- NXP owns about 1,700 patents for security technology and continues to develop solutions for encryption, biometrics and secure elements. NXP is combining its deep experience in bankcard know-how and technology into the critical area of automotive security.
- NXP has developed a holistic approach for securing the entire vehicle architecture using a 4+1 approach complemented by its leading secure car access products. NXP's 4+1 approach includes secure interfaces, gateways, networks and processing units.

About NXP Semiconductors

NXP Semiconductors N.V. (NASDAQ:NXPI) enables secure connections and infrastructure for a smarter world, advancing solutions that make lives easier, better and safer. As the world leader in secure connectivity solutions for embedded applications, NXP is driving innovation in the secure connected vehicle, end-to-end security & privacy and smart connected solutions markets. Built on more than 60 years of combined experience and expertise, the company has 31,000 employees in more than 33 countries and posted revenue of $9.5 billion in 2016. Find out more at www.nxp.com.

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About Argus

Argus is the world's largest, independent automotive cybersecurity company, whose customers include the major private and commercial OEMs, Tier 1s, aftermarket connectivity providers and fleet managers. Led by a team of cybersecurity experts and auto industry veterans, Argus solutions are built on decades of experience in both cyber security and automotive. Future proof and ready to embed today, Argus security technology promotes car connectivity with security and privacy. Headquartered in Tel Aviv, Israel, Argus has a global presence with offices in all of the world's major automotive centers including North America, Europe and Asia.

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