

AECC Updates | Upcoming Industry Events | AECC in the News Become a Member | Connect with us

## **AECC Updates**

## **New PoC Hub**

The AECC PoCs are the visible exhibitions of the work that goes on within the AECC community. They showcase our capabilities and demonstrate the utility of AECC's research and approach. PoC creation involves input from our working groups, who develop use cases and possible technical solutions that they believe will effectively address the use case requirements.



Contributing a PoC proposal is a great way to get involved with the AECC and our work in helping to shape the future of the global connected vehicle ecosystem. Any company can take part in our PoC program, as long as at least one member company is a part of the resulting PoC proposal.

Please take a moment to <u>peruse our proposal library</u> to learn about how AECC's work is helping address current connected vehicle issues and challenges.

Access the PoC Hub Now

If you're interested in participating in a PoC proposal, please reach out to <u>ProofofConcept@aecc.org</u>

### New on the Blog

### Keynote Recap: Mobile Edge – a New Autonomous Paradigm

The AECC's recent Annual All Member Meeting, held February 8-10, brought together OEMs, MNOs and Cloud providers from around the world to discuss the group's work, recent developments in the space and the possibilities going forward. This year, Roger Lanctot, Director in Strategy Analytics' Global Automotive Practice, gave the opening keynote presentation on edge computing, Mobile Edge – a New Autonomous Paradigm, which we were pleased to open up to the entire ecosystem. <u>Read on</u> to learn about the key takeaways from Roger's presentation.

**Continue Reading** 

## **Upcoming Industry Events**

### Intelligent Infrastructure

Austin, TX 28 - 29 April 2022

Topio Networks is excited to announce the <u>Intelligent</u> <u>Infrastructure conference</u>, to be held



at the Fairmont Austin on April 28-29th. This important event addresses one of the key opportunities of our time: how to digitize national infrastructure to prepare for the next generation of growth.

AECC Board Member, Said Tabet will be presenting on 28 April @ 4:00 PM CT. He will be joining a panel of experts to discuss **Building the Platform for Integrated Intelligent Infrastructure.** Panelists will discuss how to build the system of systems to ensure the efficient deployment of universal intelligent infrastructure.

The AECC is proud to be a Media Sponsor of this event.

**Register Now** 

## **AECC in the News**

### Charting the roadmap to tomorrow with Toyota

AECC members Ericsson and Toyota, with MNO partners, show how technology is solving the data challenges needed for the ecosystem's connected vehicle services opportunity. Watch "Innovating with Toyota: Charting the roadmap to tomorrow with Toyota."

### via Ericsson

# Self-Driving Vehicles Could Easily Overwhelm the Current Data Center Market

The widespread adoption of self-driving EVs faces several significant barriers, including social acceptance, safety and regulatory restrictions. The projected impact widespread adoption of autonomous driving EVs would have on data centers is stunning. According to the Automotive Edge Computing Consortium (AECC), self-driving EVs may eventually need to offload as much as 5,000 gigabytes of data per hour of operation. To put that into perspective, in 2020, the average person worldwide generated about 150 gigabytes per day.

### <u>via Motor</u>

### 2022 and Beyond: Connectivity the Road to Smart Mobility and Autonomy

Fast connectivity would enable both real-time updates and hyper localization and aggregation of information sharing so that any information pertaining to the path ahead would be relayed without any lag. Humungous to-and-fro flow of data would also require the need for new protocols, regulations, standardization, and most importantly, newer mechanisms to enhance cybersecurity and functional safety. As of now, most of these developments are in an elementary stage due to patchwork institutional irregularities, lack of a coherent approach, widespread inequities, and the absence of a viable framework. However, industry councils such as the Automotive Edge Computing Consortium (AECC) initiative founded by members like Toyota and Ericsson have begun to ponder over the implications of enormous data transfer in vehicles.

### via Geospatial World

### Self-Driving Vehicles Could Overwhelm Current Data Center Capacity

Without major technological advancements in data computing and storage processes, it's unlikely the industry will be able to handle the deluge of data self-driving EVs will generate, Johnston added. The projected impact widespread adoption of autonomous driving EVs would have on data centers is stunning.

#### via MI Tech News

# Autonomous Vehicles Will Generate Data Traffic Jam By Overwhelming Data Center Points

Widespread adoption of self-driving EVs faces several significant barriers including social acceptance, safety and regulatory restrictions. But according to a <u>new report from CoBank's Knowledge Exchange</u>, another major challenge that is often overlooked is the monumental impact these vehicles will have on the data center market. The projected impact widespread adoption of autonomous driving EVs would have on data centers is stunning.

via The Auto Channel

### Become a Member

AECC's mission is to find increasingly efficient ways to support the high-volume data and intelligent services needed for distributed computing and network architecture and infrastructure through the development of use cases, technical reports, and reference architecture. <u>Visit our website</u> to learn more about AECC and how your organization can get involved.

**Contact Us for More Information on Membership** 

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