2023

AECC QUARTERLY NEWSLETTER

AECC Updates

10-13 October 2023 • Tokyo, Japan

AECC All Member Meeting

Accelerating Connectivity Together

The AECC All Member Meeting, *Accelerating Connectivity Together*, will take place in Tokyo, 10-13 October 2023. **This event is a member-only event**, however, if you are located in the Tokyo area and would like to set up a one-on-one meeting with an AECC member to learn more about getting involved, **contact us**!

Thank You to Our Event Sponsor

TOYOTA

AECC Launches New White Paper

Data Management Systems in the Distributed Environment

Other AECC white papers have touched on data management, but this is the one that gives the reader a full sense of the approaches that will be needed to collect,

manage, and process the data. This comes from the experiences of AECC member companies, which have seen first-hand the challenges of delivering connected vehicle services using centralized cloud-based solutions.

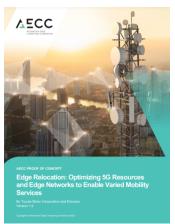**We're excited to release this special report and to hear opinions and feedback from the market.**

Download the white paper now

Read the Full Press Release

New Proof of Concept Now Available
By Toyota Motor Corporation & Ericsson

In this PoC, a team from Toyota and Ericsson worked together to look at how to optimize resource usage based on the specific requirements of different mobility services.

Get Involved with our PoC Program as a Non-Member

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.

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

Access the PoC Now

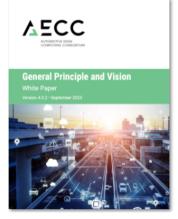## AECC Updates General Vision to Meet Changing Times

Our General Principle and Vision whitepaper is the foundation document that influences everything we do. All of our work stems from this; it includes the road map for functional architecture documents (FADs), proofs of concept (PoCs), and our other whitepapers.

Since it was first written in 2019, however, technology has changed, as has the societal landscape. From time to time, we've updated the whitepaper to incorporate new ideas that we think will contribute to the success of connected vehicle service infrastructure.

The new version of the whitepaper, version 4.0.2, includes the following new topics:

- Teleoperation
- Green Mobility
- Bringing Cloud-Based Services to Vehicles

Download the updated white paper

Learn More About the White Paper Update

Upcoming Industry Events

Wi-Fi Alliance Member Meeting
October 17-19, 2023
Prague, Czech Republic

In this event, Lei Zhong will introduce Toyota and AECC's technical activities and discuss how we leverage Wi-Fi technologies for building the AECC ecosystem and realizing future connected vehicle services. In addition, Lei plans to have further discussions with the Automotive Market Segment Task Group session for the potential liaison relationship.

Lei Zhong is speaking on behalf of the AECC.

Learn More About the Event

Edge World Summit 2023
November 14-15, 2023
Silicon Valley

Every time a new device connects to the Internet, a new platform is built. When we connected the PC to the Internet, the industry invented Cloud Computing to enable SaaS and social media. When we connected the smartphone to the Internet, iOS and Android enabled a new class of applications running on the phone, enabling quasi-real-time contextual and situational insights. Now, the industry connects devices to the Internet and enables Edge As A Service Applications.

AECC is a proud media sponsor of this event.

Learn More About the Event

EdgeTech+ Automotive Software Conference & Expo
November 15-17, 2023
Yokohoma, Japan

In recent years, IoT has permeated society, collecting a variety of data and increasing the volume and sophistication of processed data. As the criticality of the processing required increases, there is a growing number of Edge AI use cases where AI models are run on edge devices in terms of real-time processing and security. Representative use cases for these systems include automated driving, autopilot, drone autopilot, and image and video analysis such as surveillance cameras.

<div align="center">

Learn More About the Event

</div>

AECC in the News

As Cars Hoover Up More and More Driver Data, Is it Time to Regulate the Industry?

The Automotive Edge Computing Consortium has updated [the amount of data per hour a connected car can generate], reporting that industry estimates show the connected vehicle "ecosystem" will need to transfer up to 10 billion gigabytes of data to the cloud each month, which it said is "vastly more than networks can handle today."

via The Record

Optimizing Data Upload with 5G Exposure: Key Benefits for the Automotive Industry

This use case is explored together with by a leading vehicle manufacturer in the automotive industry and is also aligned and reported to Automotive Edge Computing Consortium (AECC). It involves the exposure of analytics reporting capability, which demonstrates the potential impact that can be achieved. By extending the exposure to the remaining pillars, such as monitoring capability, provisioning capability and policy/charging capability, even greater possibilities and benefits can be unlocked.

via Ericcson

Automotive Software Expo

We are pleased to announce the addition of the Automotive Edge Computing Consortium, the Linux Foundation, the Eclipse Foundation, the Autoware Foundation, Automotive Embedded System Industry Forum, Japan Automotive Software Platform, AUTomotive Open System Architecture, Japan Automotive ISAC and Architecture as a new association partner of EdgeTech+, which will act as a comprehensive exhibition of edge technologies.

via EdgeTech+ 2023

Become a Member

AECC's mission is to identify and develop more efficient ways to support high-volume data and intelligent services required by network and distributed computing. This is accomplished through the development of use cases, technical reports, and reference architectures. For more information about the AECC and how your organization can get involved, please visit our website.

Learn More About Membership

Connect with us

Automotive Edge Computing Consortium, 401 Edgewater Place, Suite 600, Wakefield, MA, 01880