

25th AEC US RELIABILITY WORKSHOP

AEC Technical Committee

March 31 – April 02



Workshop Opening

Announcements

Welcome!

- **This is the 25th US Workshop**
- **It is the 11th hosted at the Sheraton by the AEC membership**
- **Please be considerate of those around you and:**
 - Turn-off or silence your cell phones
 - Refrain from talking during presentations and discussions
 - Participate in workshops. Feedback is encouraged

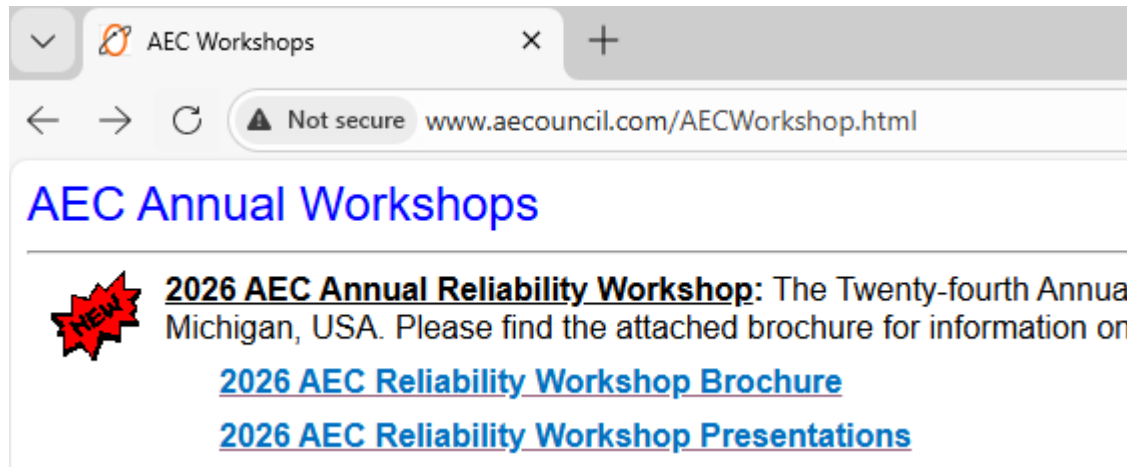


Presentation Availability

- **The presentations are hosted on the AEC website**

(Includes Agenda, which matches the printed copies provided at registration)

- <http://aecouncil.com/AECWorkshop.html>



Chairman Report

Chairman Topics

- **AEC Changes**
- **Document Releases**
- **Workshops**
- **External Partnerships**
- **Membership**
- **Remembrance**
- **Schedule**



AEC Changes

- AEC is incorporating into a 501(c)6
- This will allow us to become more stable and able to handle leadership and market instabilities
- We have obtained administrative help and are working to make website and other improvements
- Our mission will not change:

“To develop qualification standards for automotive electronics accepted across the industry”



Document Releases in the last year

- **Charter – Rev H**
 - Updated to allow expanded leadership and explore incorporation
- **AEC-Q006 – Rev B** *“Copper Wire Interconnections”*
- **AEC-Q100 – Rev J1** *“Qualification for ICs in Automotive”*
- **AEC-Q100 – CDC Template** *“Certificate of Design and Construction for ICs”*
- **AEC-Q104 – Rev A** *“Multichip Modules (MCM)”*
- **AEC-Q104 – QTP Template** *“Qualification Test Plan”*
- **AEC-Q004 –** *“Zero Defect Casebook”*



Documents in Development

- New Bylaws (to replace charter)
- AEC-Q100-005 – Rev E *“Non-Volatile Memory”*
- WBG Init Release *“Wide Band Gap Power Discretes”*
- Q200-00x *“Sub specs in edit”*



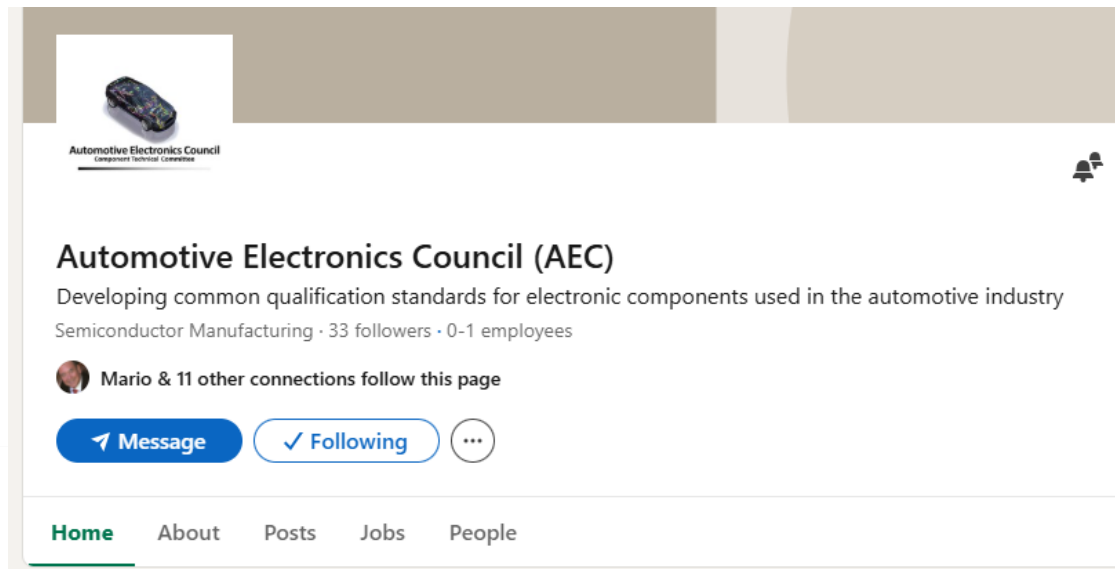
External Partnerships

- **To Be Discussed in Detail Thursday**
- **Groups AEC is working to expand our interaction with other organizations developing specs in the automotive electronics**



Improved Communication

- Updated web form to 'Contact us'
- New LinkedIn Page



The image shows a screenshot of a web browser displaying a contact form titled "Contact the Technical Committee". The browser's address bar shows the URL "www.aecouncil.com/AECRequest.html". The form includes a heading, a paragraph of instructions, and a list of required fields. The fields are organized into a "Your Information" section with two columns. The "Your Message" field is located in a "Comments" section at the bottom of the form.

Contact the Technical Committee

Please fill out the form below and press submit. Your input will be forwarded to the appropriate chair. If you previously submitted a request and not received a response, please resubmit.

Fields marked with * are required.

Your Information

*Your Name	*Company Name
<input type="text"/>	<input type="text"/>
*Email Address	*Confirm Email Address
<input type="text"/>	<input type="text"/>
*Topic	Standard (Q100, Q101, etc)
<input type="text" value="-- Please Select --"/>	<input type="text"/>

Comments

*Your Message



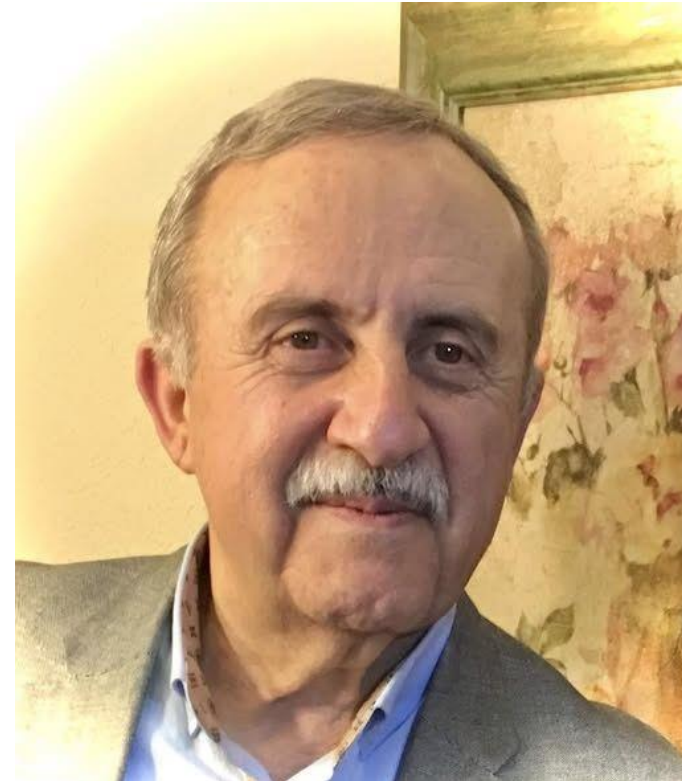
Membership

- **AEC has not accepted new members since 2024**
- **We are working to resolve this and are looking forward to having new members apply**
 - We are improving the application process and will be accepting new applications shortly
- **Look for an announcement on LinkedIn**



Remembrances

- **Ramon Aziz – Jan 28, 2026**
- **Retirements**
 - Peter Turlo
 - Zhongning Liang
- **Company Change**
 - Mark Kelly
 - Ife Hsu



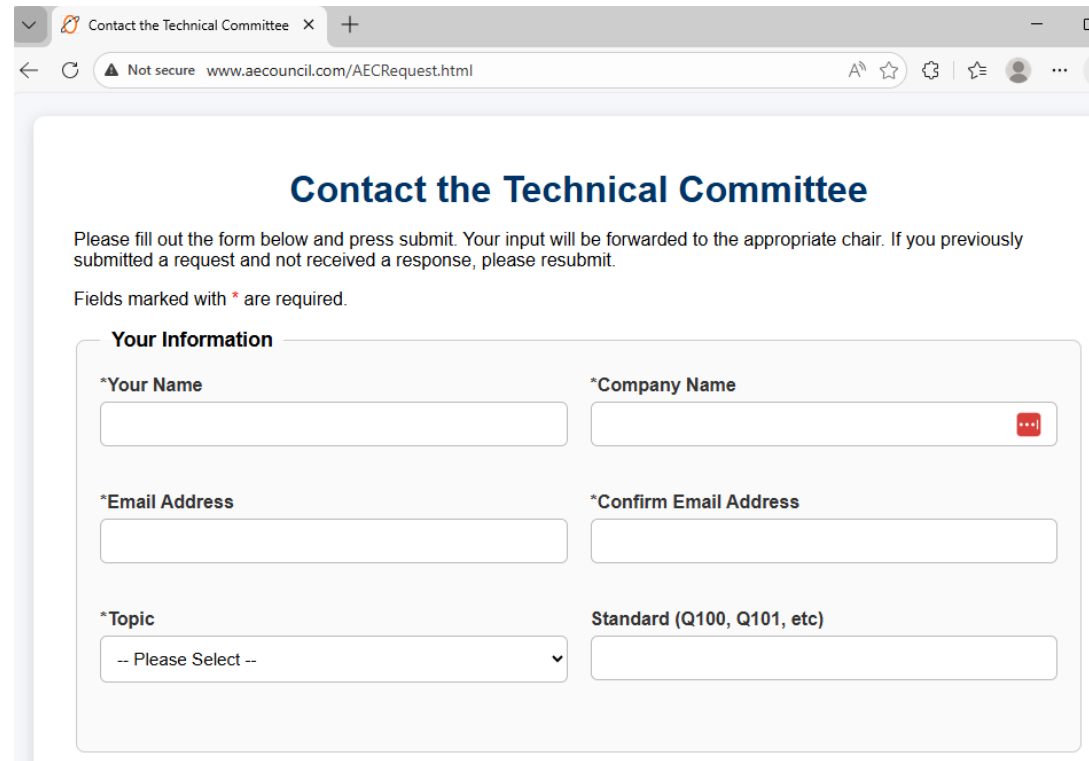
Daily Overview

- **Tuesday 9-11:30:** **Passive Related Topics**
- **Tuesday 1-3:** **Discrete, WBG, and Optoelectronics**
- **Tuesday 3:30-5:** **MEMs and LCD Displays**
- **Wednesday 8-11:30:** **ICs and MCM**
- **Wednesday 1-5:** **Zero Defect Related Topics**
- **Thursday 8-10:** **Systems and Mission Profiles**
- **Thursday 10:30-12:** **Misc. Topics**



WORKSHOP FEEDBACK

- No Feedback Forms this year
- Submit Feedback using the “Contact AEC Council” on the website
- Select category ‘Other’



The screenshot shows a web browser window with the URL www.aecouncil.com/AECRequest.html. The page title is "Contact the Technical Committee". Below the title, there is a paragraph of instructions: "Please fill out the form below and press submit. Your input will be forwarded to the appropriate chair. If you previously submitted a request and not received a response, please resubmit." Below this, it states "Fields marked with * are required." The form itself is titled "Your Information" and contains several fields: "*Your Name" (text input), "*Company Name" (text input with a red "x" icon), "*Email Address" (text input), "*Confirm Email Address" (text input), "*Topic" (dropdown menu with "-- Please Select --"), and "Standard (Q100, Q101, etc)" (text input).



AEC Q200 Case Study

Patrick Brandt – John Deere