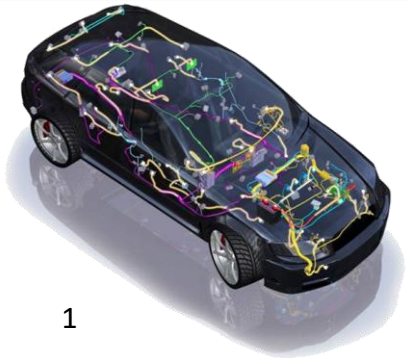
1ST AEC ASIA RELIABILITY WORKSHOP



AEC Technical Committee

October 14 - 15

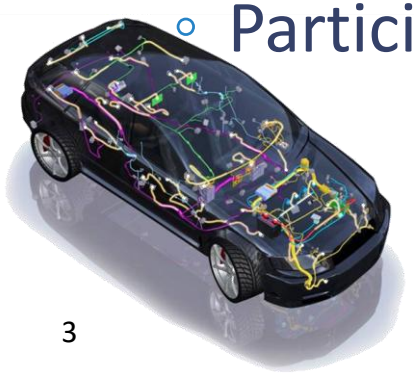
Automotive Electronics Council
Component Technical Committee

Workshop Opening

Announcements

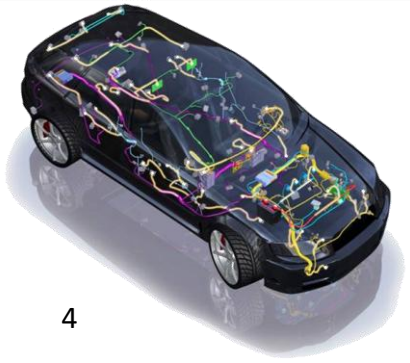
Welcome!

- **This is the 1st Asia Workshop**
  - … and not the only one:
    we hope more can occur every other year in the fall
- **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 and discussions are encouraged



Acknowledgment

- **Host:** INTEGRATED SERVICE TECHNOLOGY
- **Venu:** Ambassador Hotel Hsinchu
  No. 188, Section 2, Zhonghua Road, Hsinchu, 300, Taiwan
  ★★★★★
- **Organizing Committee Members**
  - Dave Tan — Integrated Service Technology
  - Sherry Wu — Integrated Service Technology
  - Alan Cooper — Yageo Group
  - Calvin Yang — SGS Taiwan
  - John Grogan — Macronix
  - Ulrich Abelein — Infineon Technologies
  - René Rongen — NXP Semiconductors

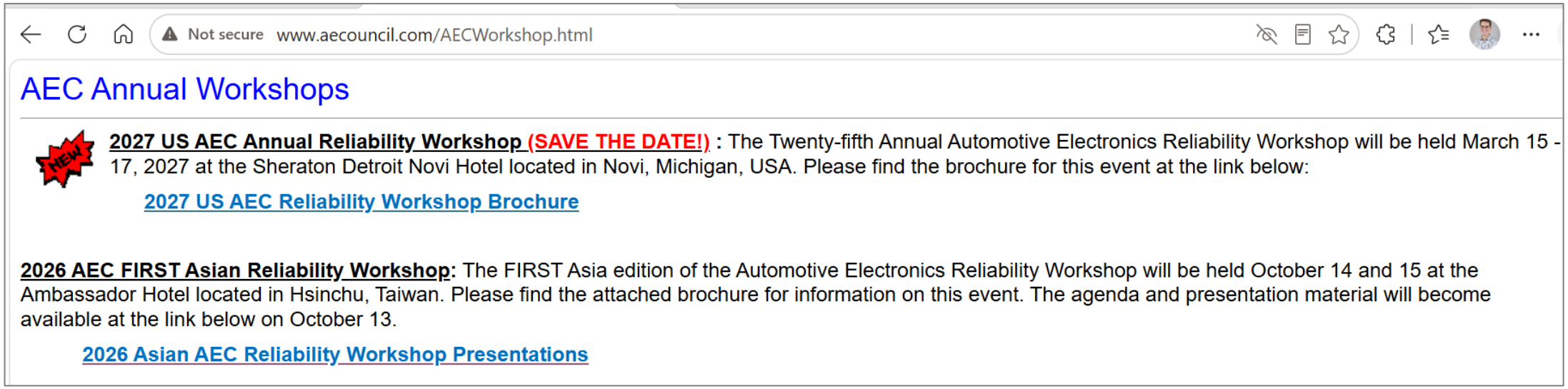


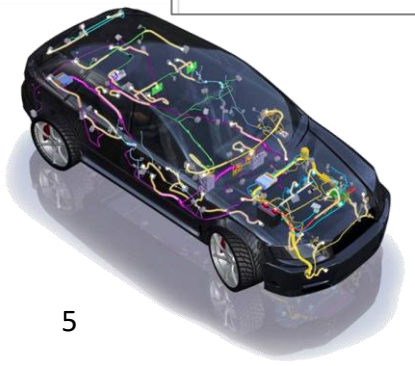
Presentation Availability

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

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

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

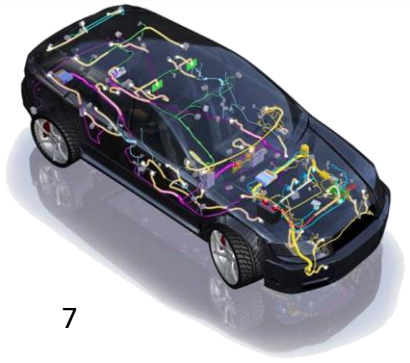




Chairman Report

Chairman Topics

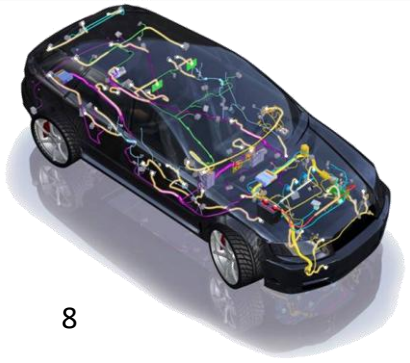
- AEC Changes
- Document Releases
- Workshops
- External Partnerships
- Membership
- Remembrance
- Schedule



AEC Changes

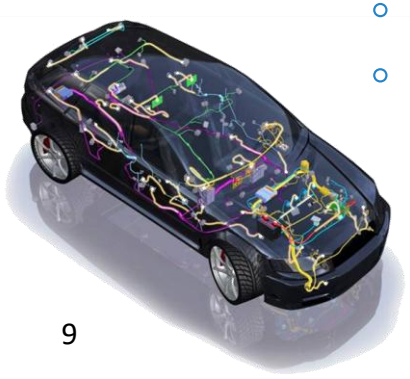
- **AEC is incorporating into a 501(c)6 (US non-profit organization)**
- **This will allow AEC to become more stable and able to handle leadership and market instabilities**
- **AEC Executive Team is in process of releasing Bylaws to become a legal organization**
- **Our mission will not change:**

"To develop qualification standards for automotive electronics accepted across the industry"



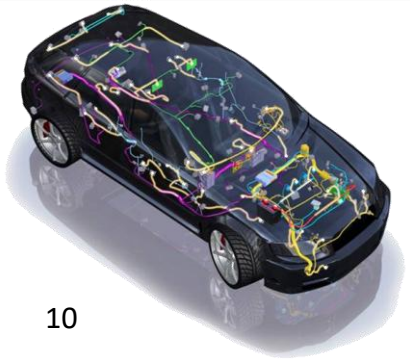
Document Releases in the last year

- **Bylaws – Rev A** (under ballot)
  - Expansion of Charter to define additional governance requirements
- **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 – 001** *"Zero Defect Casebook"*
- **AEC-Q101 – Rev F** (Under ballot) "Wide Band Gap Addendum"
  - AEC-Q101-007 (Under ballot) Miscellaneous SiC Test Methods"
  - AEC-Q101-008 (Under ballot) Short Circuit for Sic"



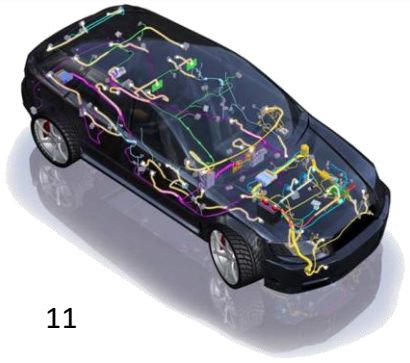
Some Documents in Development

- **AEC-Q100-00x** *"Sub specs in edit"*
- **AEC-Q101-00x + GaN Appx** *"Sub specs in edit"*
- **Q200-revF** *"Main spec in edit"*
- **AEC Membership Application – Rev I** "Added more detail"



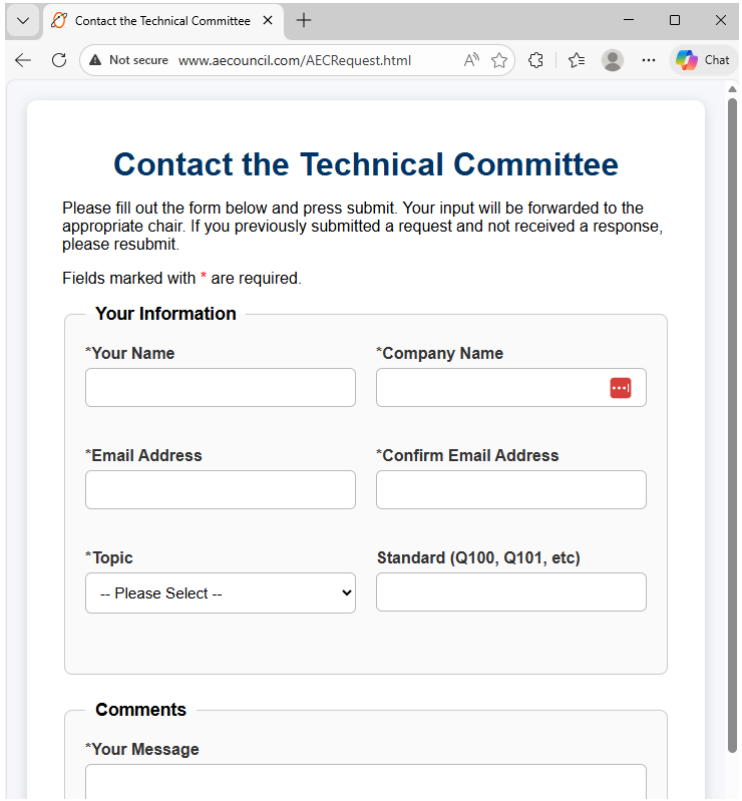
External Partnerships

- **AEC working to coordinate with external organizations**
  - OEMs (Automotive Vehicle Manufacturers) in Europe and US
  - Technical Standards Groups
    - JEDEC – Global Standards Body for the Microelectronics Industry
    - ESDA – ESD Association
    - TC599 – China National Technical Committee on Integrated Circuits

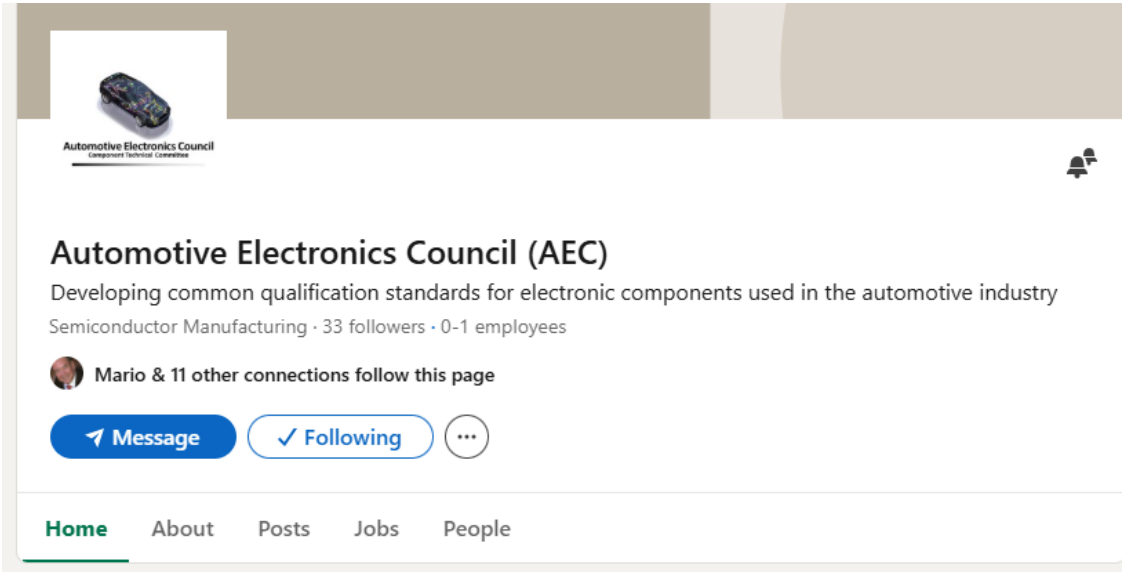


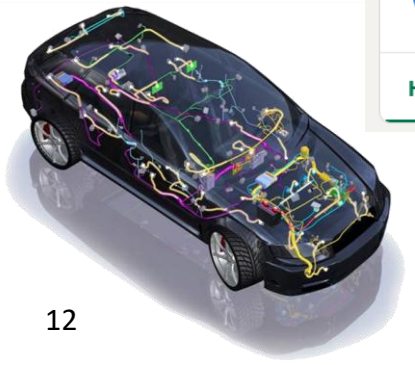
Updated Communication

- **Updated web form to ‘Contact us’**
  - Administrator to receive and respond



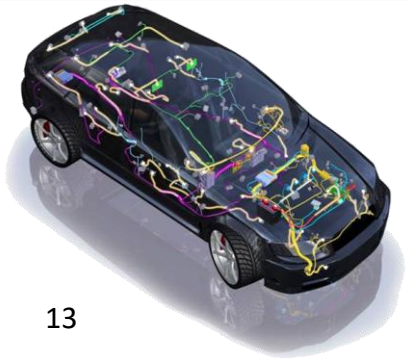
- **New**





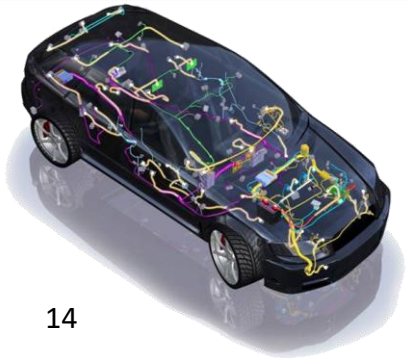
Membership

- **AEC has not accepted new members since 2024**
- **Improved Membership Application released**
  - Adds additional information
  - Details financial commitment ($2600/year)
- **Applications will be reviewed by Membership Committee to improve response time**
- **Look for an announcement on LinkedIn**



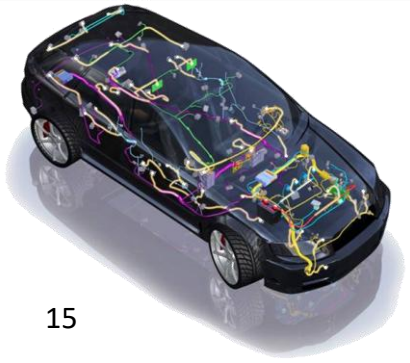
Daily Overview – Wednesday October 14

8:15-9:00		Welcome / Host Message	
9:00-10:00	T1	Qualification and Functional Safety (1)	
10:00-10:30	W1	Q200 – Passive Components	
			Break
11:00-12:00	T2	Problem Solving & Failure Analysis	
12:00-12:30	W2	Q101 – Discrete Components	
			Lunch
2:00-2:45	W3	Q101 – WBG	
2:45-3:45	T3	ESD & EOS	
			Break
4:15-4:45	W4	Q102 – Optoelectronics	
4:45-5:15	T4	Statistical Techniques	
5:15-5:45	W5	AEC & China Standardization Development	



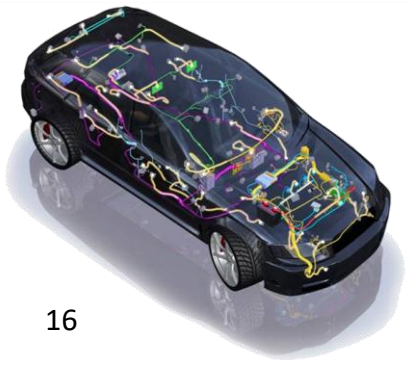
Daily Overview - Thursday October 15

8:15-8:30	Welcome	
8:30-9:30	W6 Q100 - ICs	
9:30-10:30	T5 Qualification and Functional Safety (2)	
		Break
11:00-11:30	W7 Q006 – Cu-wire / W8 Q004 – ZD	
11:30-12:30	T6 Zero Defects	
		Lunch
2:00-2:45	W9 Q104 – Multi-Chip Modules	
2:45-3:45	T7 Extended Mission Profiles	
		Break
4:15-5:00	W10 EMP	
5:00-5:30	W11 Q105 - Displays	
5:30-5:45	W12 CDC – Certificate of Design Construction	



WORKSHOP FEEDBACK

- **Feedback forms will be sent by E-mail**



Automotive Electronics Council
Component Technical Committee

1st ASIA AEC RELIABILITY WORKSHOP 2026
QUESTIONNAIRE

What do you think of organizing an AEC Asia workshop every 2 years around October?
(Any proposal on where and how to organize is welcome!)

Click or tap here to enter text.

How likely will it be that you (2 = likely, 1 = do not know, 0 = unlikely):

- come back: Select
- recommend attending the workshop to colleagues: Select

What did you like/dislike about the 2026 Asia AEC workshop?

Click or tap here to enter text.

What did you like/dislike about the technical sessions (T1-T7)?

Click or tap here to enter text.

What did you like/dislike about the workshops (W1-W12)?

Click or tap here to enter text.

How do you rate the Ambassador Hotel Hsinchu as workshop venue?
Select one each: 4 = excellent, 3 = good, 2 = fair, 1 = poor).

1. Workshop location Select
2. Meeting accommodation Select
3. Meeting refreshments Select
4. Lunch served Select

Comments:
Click or tap here to enter text.

List of what you thought were the top three Technical Contribution:

1. Presentation Select
2. Presentation Select
3. Presentation Select

List of what you thought were the top three Workshops:

1. Workshop Select
2. Workshop Select
3. Workshop Select

What improvements would you like to see implemented in the future?

Click or tap here to enter text.

Please return with subject "Questionnaire"
mailto:dave_chen@istgroup.com THANKS!

Enjoy the Workshop

