

**Automotive Electronics Council**  
Component Technical Committee

**First European**  
**Automotive Electronics**  
**Reliability Workshop**

**Call for Presentations**  
**and Registration Notice**

**October 16 – 17, 2018**



**Sheraton Munich Westpark Hotel**

Garmischer Straße 2  
80339 Munich, Germany  
+49 89 51960

organized by the AEC Component Technical Committee:



# Automotive Electronics Council

Component Technical Committee

## 2018 – First European Automotive Electronics Reliability Workshop

October 16-17, 2018  
Sheraton Munich Westpark Hotel  
Munich, Germany

The First European Automotive Electronics Reliability Workshop will be held at Sheraton Munich Westpark Hotel from October 16<sup>th</sup> to 17<sup>th</sup>, 2018. In total, 20 preceding annual workshops in the US have been providing a forum and structured environment to discuss quality and reliability problems and philosophies related to all aspects of passive component, discrete semiconductor, and integrated circuit design, test, analysis, fabrication, assembly, and field performance. The AEC Component Technical Committee decided to organize a European version this year for the first time. Building upon this rich history, the environment will be a highly interactive technical presentation and panel discussion format promoting open and frank communications within the international automotive component supplier base.

### Call For Presentations

This call for presentations solicits your submission of abstracts of less than 200 words dealing with current automotive electronic component issues. The abstracts and topics will be reviewed and selected for presentation based upon technical merit, innovation, automotive focus, and relevancy. Company commercials and/or endorsements are not allowed. Company logos may be used on presentation slide borders only. Each presentation will be allotted 20-25 minutes, followed by a question and answer session.

Some areas and topics that are relevant to and presented by workshop participants previously are listed below. Items in bold text are those of particular interest for this year's workshop. Works involved in Integrated Circuits, Discrete and Passive Components are welcome. Presentations and late breaking contributions relevant to today's activities and tomorrow's ideas are also requested.

#### **Q10x/Q200 new revisions - Impact**

Field Quality Performance  
Accelerated Stresses  
Wafer Level Reliability  
Product Characterization  
Board Level Simulation

#### **MCM qualification/screen**

Reliability Simulation  
Emerging Challenges  
FMEA

Advanced Packaging

#### **Technical Issues with 40nm and below**

Influence from OEM Automotive Environment

#### **OEM/End-Customer Requirements**

New Test/Screen Techniques  
Quality System/Methodology Trends  
Reliability Monitoring Usefulness  
Burn-In/Test Screen Elimination  
Application Specific Qualification  
OEM System Reliability  
Mission Profiles  
EOS/ESD/NTF Reduction

#### **Cu Wire Reliability**

Best Practices  
Field Performance

#### **Emerging Technology**

Autonomous Driving  
Driver Assist/RF/Radar  
MEMS  
LED's  
ISO Specification/ASIL  
EMC/Latch-Up  
Vehicle Communications/V2V  
Internet-of-Things (IoT) in Vehicles

#### **"Zero Defects" Implementation**

New/Suspect Failure Mechanisms  
Known Good Die (KGD)  
Maverick Lot/Wafer Methodology

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Submit an electronic version of your abstract (in both Word & PDF format) and finished presentation (in both PowerPoint & PDF format) to:

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**AEC Objective:** The purpose of this workshop is to continuously improve communications between automotive electronic component users and their supplier base. The goal of the Automotive Electronics Council is the development of uniform automotive industry specifications and requirements to improve automotive product quality and reliability while reducing cost and time to market.

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**Who Should Attend:** Engineers and managers who are involved in the qualification, testing, reliability, and failure analysis of automotive passive components, discrete semiconductor devices, and integrated circuit devices. It would also be helpful to those who are responsible for establishing quality and reliability policies for automotive components.

**Registration Fee:** Registration fee is 174 Euros (and includes lunch for 2 days). The fee is to be paid by credit card during registration on site at the day of arrival.

This is your workshop. Please come with an open mind and be prepared to share and learn about new ideas and accomplishments. Your ideas on how to improve future workshops are always welcomed.

### Workshop Registration

Registering for the workshop can be done by accessing the AEC website at <http://www.aecouncil.com> and clicking on "[Annual AEC Reliability Workshop](#)", then click on "Registration Form" to fill out and submit the form. Please complete all fields on the registration form. Until August 31, the maximum number of participants is 2 per company. After August 31, the remaining seats will be available for first-come first-serve base.

### Hotel Reservation

A limited number of hotel rooms is available at the Sheraton Munich Westpark Hotel at the rate of 155 Euros per person per night (breakfast is included) for the participants of the workshop. Reservations can be made directly with the hotel. Please make your reservation as early as possible and state that you are attending the AEC Reliability Workshop to take advantage of that. In addition, there are plenty of alternative hotels in the neighborhood.

## Tentative Agenda

(subject to change based on abstracts received)

### Tuesday, October 16, 2018

8:00 am – 8:30 am	Registration
8:30 am - 9:00 am	Welcome Session
9:00 am - 10:30 am	<b>Session 1: Highlight Contributions US workshop 2018 (Part 1)</b>
10:30 am - 11:00 am	Break
11:00 am - 12:30 noon	<b>Session 2: Highlight Contributions US workshop 2018 (Part 2)</b>
12:30 noon - 1:30 pm	Lunch
1:30 pm - 3:00 pm	<b>Workshop 1: Q100/Q101, Q004, etc.</b>
3:00 pm - 3:30 pm	Break
3:30 pm - 5:30 pm	<b>Workshop 2: Q100/Q101, Q004, etc.</b>

### Wednesday, October 17, 2018

8:30 am - 10:00 am	<b>Session 3: OEM Contributions</b>
10:00 am - 10:30 am	Break
10:30 am - 12:00 noon	<b>OEM-AEC Panel: Future Topics to work on</b>
12:00 noon - 1:00 pm	Lunch
1:00 pm - 2:30 pm	<b>Session 4: New Contributions (Part 1)</b>
2:30 pm - 3:00 pm	Break
3:00 pm - 4:30 pm	<b>Session 5: New Contributions (Part 2)</b>
4:30 pm - 5:00 pm	Wrap-up and closure

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## Key Workshop Dates

Preliminary Call for Presentations	June 15, 2018
Abstract Submittal Deadline	August 31, 2018
Presentation Selection & Final Agenda	September 15, 2018
Final Copy of Presentation Due	October 5, 2018
Workshop Pre-Registration Closes **	October 8, 2018
Workshop Begins	October 16, 2018

\* *Walk-ins welcome pending space availability*

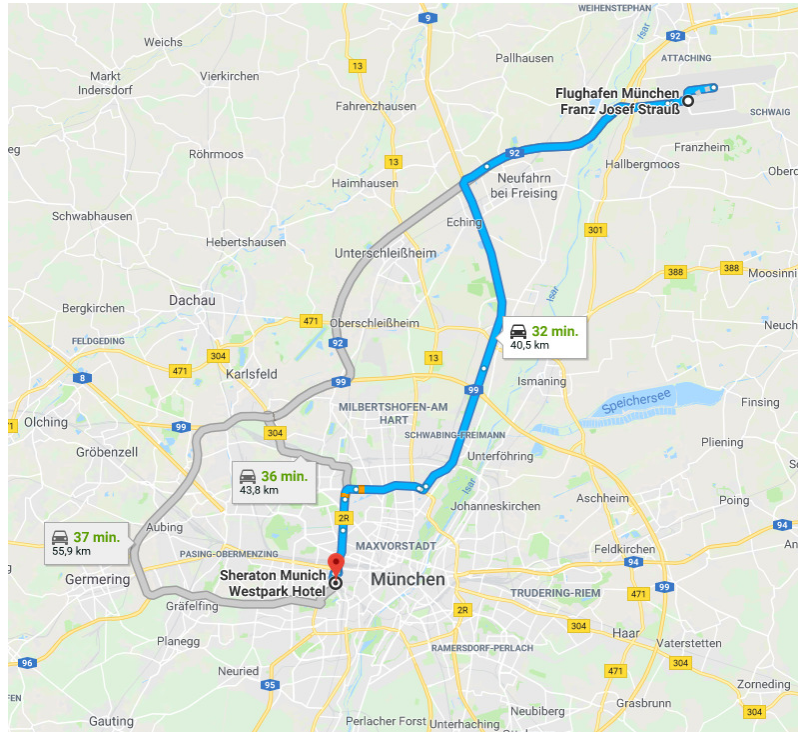
\*\* *Registration will close when the maximum number of participants is reached*

**Recording devices (video and/or audio) are prohibited at the workshop**

**Lodging:** It is advised to make hotel room reservations as early as possible and state that you are attending the AEC Reliability Workshop to take advantage of the reduced room rate.

**Ground Transportation:** Car rental, taxi service and public transportation (S-Bahn) are available at the “Franz Josef Strauß” Munich International Airport.

**Directions:** The Sheraton Munich Westpark Hotel is located within 40 kilometers of the Munich International Airport (see map below).



## Sheraton Munich Westpark Hotel

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80339 Munich, Germany  
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