

Automotive Electronics Council
Component Technical Committee

**9th Annual
Automotive Electronics
Reliability Workshop**

Call For Papers and Registration

April - 20 - 21- 22, 2004

Sheraton Music City Hotel

Nashville, TN

Sponsored by DaimlerChrysler

Organized by:

AEC Component Technical Committee

In cooperation with:

DaimlerChrysler

Visteon Corporation

Delphi Automotive Systems

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DELPHI
Automotive Systems



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April 20 - 21 - 22, 2004

Nashville, TN

Call For Papers

Our scope includes automotive passive components, discrete semiconductors along with integrated circuits. This Workshop provides a forum and structured environment to discuss quality and reliability problems and philosophies related to all aspects of passive component, discrete semiconductor, IC design, test, analysis, fabrication, assembly and field performance. The intent of this workshop is to promote a highly interactive technical presentation and panel discussion promoting open and frank communications between the international automotive component users and supplier base.

This call for papers solicits your submission of abstracts of less than 200 words on current automotive component issues. The abstracts and topics will be reviewed and selected for presentation based upon technical merit, innovation, automotive focus and relevancy. The desired presentation length will be 20-25 minutes, followed by a question and answer session. Shorter presentations of 15 minutes are also welcome. Presentations on the latest contributions relevant to today's activities and tomorrow's ideas are requested. While we will consider all topics for inclusion in this year's workshop, we would especially like to focus on the topics bolded below:

"Q" Specifications Impact

Part Average Program Benefits

New Accelerated Stress Tests

Field Performance Data

PPM Reduction

Reliability Measurement

Lead Free soldering

New Failure Mechanisms

Assembly Site Challenges

Accelerated Stresses

Quality Trends

Characterization & Performance

Continuous Improvement

New MSL Epoxy's

New Technology for Automotive

Emerging Challenges

Preventive Failure Analysis

New Test Techniques

Reliability Monitoring

Wafer Reliability testing

Advanced Packaging

Qualification and PPAP

Send your abstract and finished presentation to:

Brian Jendro or Majdi Mortazavi Co-Chair for AECRW 2004

DaimlerChrysler

100 Electronics Blvd.

Dept. 6040

Huntsville, AL

Phone: (256) 464-2980/2249

FAX: (256) 464-2786

Email: bj5@dcx.com or msm11@dcx.com

Key Presentation Dates

Abstract Submittal Deadline

Mar 1, 2004

Presentation Selection & Final Agenda

Mar 31, 2004

Final Copy of Presentation Due

April 10, 2004

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AEC Objective: The purpose of this workshop is to continuously improve communications between the AEC Component Technical Committee, the automotive component supplier base and the end user community. One intended result is the development of uniform automotive industry specifications and requirements to improve automotive product quality and reliability while reducing cost and time to market.

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: There is no registration fee, but workshop participants must register before April 10, 2004 to allow for seating and meal arrangements. Further, attendees who need overnight accommodations should make reservations as soon as possible, as there is a finite number of blocked rooms at special rates for AECRW attendees. Please use the Hotel accommodations because it will help keep this a no cost event

Workshop Organizing Committee

Majdi Mortazavi (DaimlerChrysler)	Ph. (256) 464-2249 Fax (256) 464-2786 email: msm11@dcx.com
Brian Jendro (DaimlerChrysler)	Ph. (256) 464-2980 Fax (256) 464-2786 email: bj5@dcx.com
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AEC Component Technical Committee

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Larry Pilcher (Passive) email: lpilcher@visteon.com	(Visteon Corporation) Ph. (313) 755-2935

Tentative Agenda

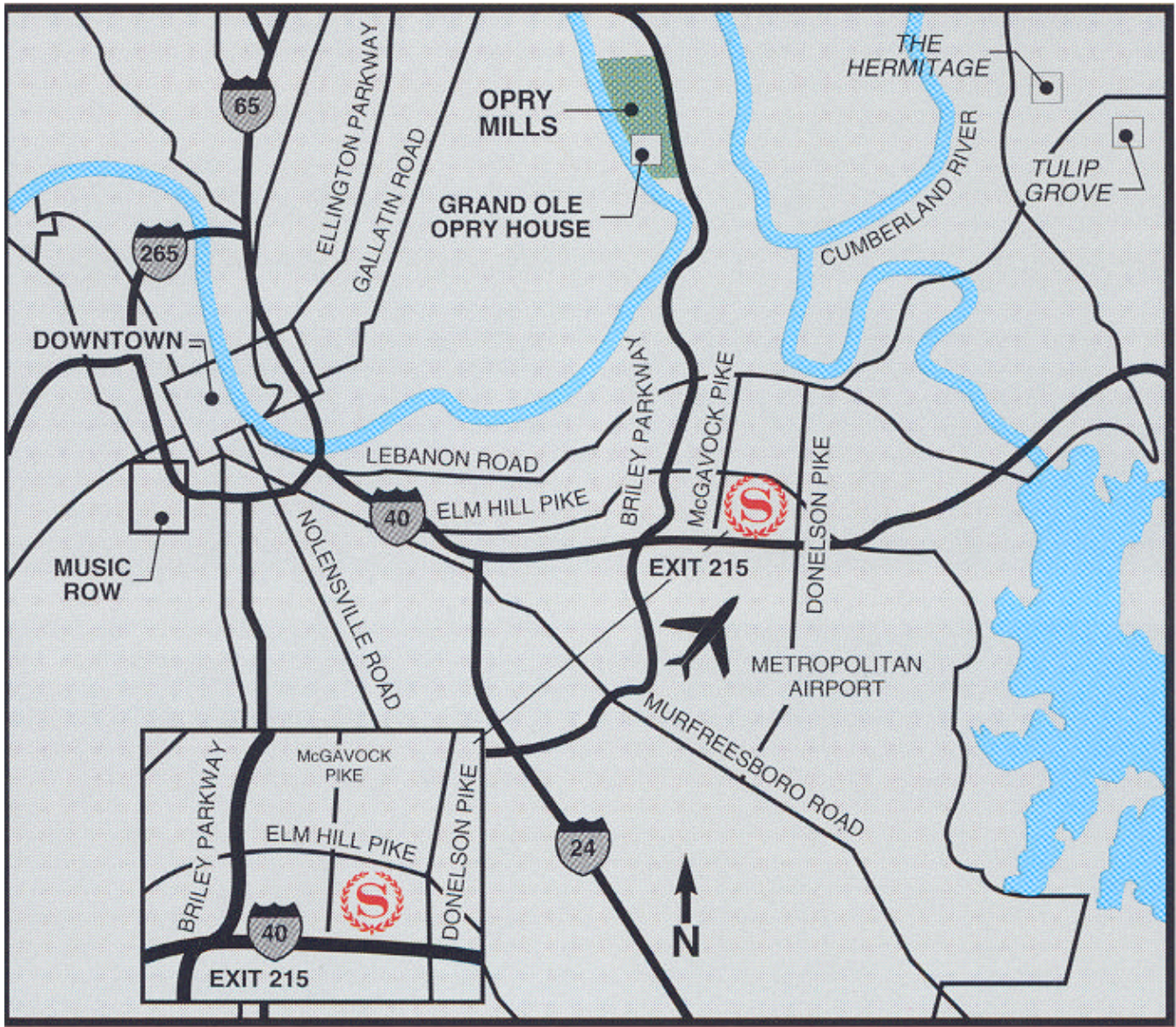
(subject to change)

Time	Tuesday April 20 th	Wednesday April 21 st	Thursday April 22 nd	Time
7:30 AM	Registration	Registration		7:30 AM
8:00 AM	Introduction and Overview	Session 5: Discrete Semi / IC's	Session 9: IC's	8:00 AM
8:30 AM	Session 1: Passive Components			8:30 AM
9:00 AM		(3) Papers	(3) Papers	9:00 AM
9:30 AM	(3) Papers			9:30 AM
10:00 AM	Refreshment Break	Refreshment Break	Refreshment Break	10:00 AM
10:30 AM	Session 2: Passive Components	Session 6: Discrete Semi / IC's	Session 10: IC's	10:30 AM
11:00 AM		(2) Papers		11:00 AM
11:30 AM	(3) Papers		(3) Papers	11:30 AM
12:00 PM	Lunch (on own)		Lunch (on own)	12:00 PM
12:30 PM		Lunch (Provided)		12:30 PM
1:00 PM				1:00 PM
1:30 PM	Session 3: Discrete Semi's	Session 7: IC's	Session 11: IC's	1:30 PM
2:00 PM		(2) Papers	(3) Papers	2:00 PM
2:30 PM	(3) Papers			2:30 PM
3:00 PM	Refreshment Break	Refreshment Break	Refreshment Break	3:00 PM
3:30 PM	Session 4: Discrete Semi's	Session 8: IC's	Session 12: IC's	3:30 PM
4:00 PM				4:00 PM
4:30 PM	(3) Papers	(3) Papers	(3) Papers	4:30 PM
5:00 PM	Break	Break	Closing Remarks	5:00 PM
5:30 PM	Panel Discussion: Passives and Discrete Semiconductors	Panel Discussion: IC's and Discrete Semiconductors		5:30 PM
6:00 PM				6:00 PM
6:30 PM				6:30 PM
7:00 PM	Dinner (on your own)	Dinner (on your own)		7:00 PM

Key Workshop Dates

Preliminary Call for Papers	Dec 15, 2003
Abstract Submittal Deadline	Mar 1, 2004
Presentation Selection & Final Agenda	Mar 31 2004
Final Copy of Presentation Due	April 10, 2004
Hotel Reservation Deadline	April 10, 2004
Workshop Registration Closes	April 10, 2004
Workshop Begins	April 20, 2004

Note: Tape recorders and cameras are prohibited at the workshop.



2004 Automotive Electronics Reliability Workshop, Register before April 10, 2004



AEC Component Technical Committee
Brian Jendro - AECRW 2004 Co - Chairperson
DaimlerChrysler or Siemens V.D.O. Corporation
100 Electronics Blvd
Dept 6040
Huntsville, AL 35824

Lodging: A block of rooms has been set aside for workshop participants at the Sheraton. Participants should make reservations directly with the hotel no later than April 10, 2004 (Ph. 800-325-3535). When making reservations, mention the 9th Annual AEC Reliability Workshop to get the group rate of \$105.00 per night. Failure to identify yourself as a workshop attendee will result in a higher room rate. Suites are available upon request, but at an additional cost. Please use this Hotel to help keep this Workshop a non-fee event for future Workshops

Ground Transportation: Car rental and taxi service are available at the Airport. Limo service is provided by Hotel.

Directions: From the Airport take the Nashville Exit I-40 West. Travel to Briley Parkway / Opryland, Exit 215. Go ¼ mile to Exit #7, Elm Hill Pike. Turn right at the 1st light. Go .3 miles to 3rd traffic light, McGavock Pike, Turn right. The hotel is .8 miles on the left at the top of the hill. Parking is available around the Hotel at no cost.

Registration Form
2004 Automotive Electronics Reliability Workshop

Name _____

I will be attending:

Company _____

[1] Passive Component Session

Address _____

[2] Discrete Semiconductor Session

_____ Mail Stop _____

[3] Integrated Circuit Session

City _____ State _____

Please complete and mail or Fax form to the address below before April 10, 2004:

Postal Code _____ Country _____

Brian Jendro
Huntsville Electronics
100 Electronics Blvd.
Huntsville, AL 35824
Fax# (256) 464-2786

Ph. _____ Fax _____

E-mail Address _____

Please include email address to receive future AEC announcements.

Special Dietary Request _____

(example: diabetic, vegetarian, kosher, etc.)

Each participant will be notified by phone, Fax, or email when registration is received. If you have not received confirmation by April 15, 2004, please contact Brian Jendro at (256) 464-2980.

Remember to make room reservations directly with the Hotel