

# AUTOMOTIVE GLAZING *USA*

1<sup>st</sup> International CTI Conference | 17 – 18 June 2015, Rochester (MI), USA

Register  
by 27 April  
and save  
\$ 400

## HIGHLIGHT TOPICS

- Trends and Innovations in Automotive Glazing
- Lightweight Developments
- Automotive Design and Auto Glass
- Augmented Reality, Head-Up Displays & Functional Surfaces
- Automotive Glass Production
- Solar Systems, Acoustics & Crack Resistance

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# AUTOMOTIVE GLAZING USA

Join the auto glass community forum for the American automotive glazing industry! Take part in the annual get together of key player among innovations on automotive glazing and meet experts of this field. Listen to overall solutions and latest technologies provided by OEMs, suppliers and researchers.

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## ADVISORY BOARD

**Larry Agius**, Fixed Glass Core Engineer, Ford Motor Company

**Thomas de Hagen**, Glass & Moldings GSSL Leader, General Motors Company

**Wolfgang Erner**, Senior Scientist, Pilkington NSG Group

**Dr Matteo Terragni**, Automotive Glazing Segment Manager, SABIC

**Sjoerd Polderman**, Automotive Marketing Manager Europe, SEKISUI S-LEC BV

**Hagen Rakus**, Technical Specialist Automotive Glazing within Materials Engineering Section, Volkswagen AG



Be part of the strategic and technical meeting of experts from OEMs and suppliers for the automotive glazing sector!

Get up to date on innovations and trends!

Benefit from a wide range of different contacts and freshen up your network!

This CTI Conference will bring together:

CEOs, Managing Directors, Technical Directors, Operations Managers, Project Managers and Executives in the automotive manufacturing, automotive glazing and supplier industries, dealing with:

- Glass
- Plastic glazing
- Development
- Design
- Marketing & Sales
- Product development
- Safety
- Quality management
- Aftersales
- Automotive manufacturing

Representatives from:

- Glass manufacturing
- Aftermarket & glass repair
- Auto sales
- Pasting and gluing techniques
- Auto-Workshops

Leading employees out of sectors like:

- Insurance
- Service providers in fleet management
- Test organizations and associations
- Hard- and software providers
- Consultancies
- Industry-related research institutions

MEDIA PARTNERS

Automobil  
Konstruktion





## CONFERENCE DAY 1

Wednesday, 17 June 2015

9.30 – 10.15

### BUSINESS RECEPTION

**Network and breakfast in the exhibition area**

Bring plenty of business cards and find out who is who right from the start!

10.15 – 10.30

**Welcome address by CTI and opening of the conference**

### Introduction and Overview – Trends & Outlook

10.30 – 11.00

#### DESIGNING THE ULTIMATE SUPERCAR – Problems and Wishes of Car Designers

- Meeting the expectations of supplier, OEM, designer and customer – teamwork
- Technology and materials – challenges for car designers
- Super car concept: material and glass possibilities



**David Hilton**, Auto Designer,  
Motorcity Europe Ltd.

11.00 – 11.30

#### “Individual Design of Interior & Exterior” – Design and Functional Elements in a single Printing Production Process – “Our Vision is to print your Vision”

- Demonstration of new functions for automotive glass and interior components
- Decoration and creation of intelligent surfaces by means of digital printing process and integration into the automotive manufacturing process with batchsize 1



**Helmut Karpinski**, Plant Manager,  
Ferrostaal Automotive GmbH

11.30 – 12.00

#### Design-Analysis-Experience Solution for Head-Up Display

- Feasibility study, design, virtual testing and experience tools – from optics to virtual reality
- Tolerance study and manufacturing variations simulation
- Collaboration between car makers, projector and windshield suppliers



**Ludovic Manillier**,  
Innovation Expert – HUD Solution Manager,  
OPTIS



12.00 – 12.30 Discussion

12.30 – 2.00 Lunch Break in the Exhibition Area

### Lightweight & Improvements

2.00 – 2.30

#### ADAS - Influence on Replacement Costs of Windshields (German Market)

- Facts about glass claims for German insurance companies
- Development of costs
- Challenges for professional and efficient repairs



**Gerald-Alexander Beese**,  
Head of Strategic Project Management,  
KTI GmbH & Co. KG – German Research Institute

2.30 – 3.00

#### Polycarbonate Glazing Technology Readiness

- Demonstrated performance
- Maximizing the value
- Regulatory status



**Matteo Terragni**,  
Automotive Glazing Segment Manager,  
SABIC

3.00 – 3.30 Discussion

3.30 – 4.00 Refreshment Break in the Exhibition Area

4.00 – 4.30

#### Lightweight and Acoustic Glazing Development

An interlayer which enables highly durable, lightweight glazing with the stiffness of incumbent glazing (laminated or monolithic) while providing acoustic performance similar to acoustic PVB



**Chuck Butler**,  
New Product Development Manager,  
Kuraray America, Inc.

4.30 – 5.00

#### Innovations with acrylic sheet and molding compounds for automotive glazing applications providing freedom of design and function

- Weight reduction representing a 40–50% savings versus traditional glass
- Freedom of design versus glass allowing for engineering flexibility
- Functional integration allowing for add-on automotive body parts and lighting components
- Safety due to high impact strength and resistance for passenger safety



**Larry Gabriel**,  
Business Development Manager,  
Evonik Industries



5.00 – 5.30

## SOLUTION FORUM

Place your presentation here. Please contact us.



5.30 – 6.00 Discussion

6.00

## GET TOGETHER

At the end of the first conference day CTI invites you to take the opportunity to expand and strengthen your network in an informal and relaxed atmosphere.



## CONFERENCE DAY 2

Thursday, 18 June 2015

9.30 – 10.00

**Reception with coffee and tea – follow up on your networking**

## Innovative Systems & Components

10.00 – 10.30

### Advancements in Crack Resistance of Thermal Cure HardCoats for Automotive Exterior Glazing

- Introduction & need for improvements in weatherable hardcoats for exterior applications
- Objective & test methods (experimental) for evaluating performance improvements
- Summary of results for new coating system
- Conclusion



**Dr Robert Hayes,**  
Senior Manager, Silicone Hardcoat Technology,  
Momentive Performance Materials

10.30 – 11.00

### Solar Systems for Automotive Applications

- Usage of solar systems for parking validation since 1994 – new requirements
- Strongly increased efficiencies, significantly lower costs, CO<sub>2</sub>-emission, credits for solar systems and the electrification of cars are now opening the markets



**Reinhard Wecker,**  
CEO, a2-solar Advanced and Automotive  
Solar Systems GmbH

11.00 – 11.30

## SOLUTION FORUM

Place your presentation here. Please contact us.



11.30 – 12.00 Discussion

12.00 – 1.30 Lunch Break in the Exhibition Area

1.30 – 2.00

### Enhanced Vehicle Cabin Quietness for Driver and Passenger Comfort

- Reduction of cabin noise with laminated glass technologies
- Maximizing acoustic performance of door glass through the effect of sound angular dependence
- Lab and in-vehicle confirmation and correlation of the effect of angular coincidence and cabin noise



**Brian Daniel Smith,**  
Marketing Director,  
Sekisui S-Lec America, LLC

2.00 – 2.30

### Hardcoating PC Plastics

- Coating methods – hard coating, lens coating, coil coating
- Paintshop design/layout – 1 level, 2 level plant
- Process for flow coating and the challenges to achieve high quality standards



**Michael Ambacher,**  
Senior Manager – General Finishing,  
Eisenmann Corporation

2.30 – 3.00

### Optimize Processes, Improve Quality, Reduce Costs: 100% in-line inspection for each step in the automotive glass production – a clear competitive advantage

- Presentation of the performance of modern automatic optical inspection solutions in each stage of the automotive glass production
- Description of the technology for the reliable detection of damage, material and process errors when printing or bending using objective and unambiguous measurement results
- Identification of potentials for optimization of processes and costs and increase efficiency and profitability



**Joseph W. LaPlante,**  
Senior Account Manager, Business Unit Glass,  
ISRA VISION

3.00 – 3.30 Discussion & Final Remarks

3.30

**End of the International CTI Conference "Automotive Glazing USA" and Coffee Break in the Exhibition Area**





Benefit from this unique Automotive Glazing Platform!  
You are on the right track to your customers!

## EXHIBITORS



**a2-solar** draws back on more than 25 years of experience in the “Solar Automotive Business” (from the Audi A8’s 40W solar sun roof in early 1990 to the Fisker KARMA 120W solar roof in 2011/ 2012). Our “swimming encapsulation of high-efficiency solar cells” allows for a wide variety of spherical solar modules for all kind of vehicle surfaces (cars, trucks, busses, boats). Single glass or laminated safety glasses are our state-of-the-art solutions – even up to 3m<sup>2</sup>. Also for building integrations, a2-solar offers all kinds of distinctive solar modules and systems.

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## EISENMANN

For over 60 years, **Eisenmann** has been providing innovative solutions and enabling technologies for automated manufacturing in the automotive industry. From raw materials to finished products, Eisenmann collaborates with industry leading stakeholders all along the value chain to meet the production demands of new lightweight and fuel-efficient vehicles.

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**Antaya** is a global supplier of pre-soldered, pre-fluxed connectors and controlled soldering equipment for the automotive glass industry. Connectors are supplied with both leaded and lead-free solder. Antaya Technologies has the only drop-in lead-free soldering solution for the automotive glass industry proven to meet global automotive standards including SAE USCAR 40 and AK 2.1 (ACEA standard). Over 10 million lead free connectors have been installed in vehicles worldwide since 1998.

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For over 30 years **ISRA VISION** has been a global leader in optical in-line glass inspection. By employing ISRA systems, the best quality and highest productivity can be achieved in all glass production steps, while pinpointing where and why defects occur. Experts in automotive glass inspection, ISRA offers defect and 3D form inspection solutions, and is the proven industrial standard in distortion measurement.

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For more than a decade, **Lumetrics**® has been providing real-time inspection with its OptiGauge® thickness measurement system to hundreds of companies worldwide, including 6 of the top 11 medical device companies, the top four ophthalmics companies, and three of the top four glass companies in the world.

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**OPTIS** is the leader in software for the scientific simulation of light and human vision within a virtual reality. Its solutions allow designers, engineers, and ergonomists to simulate and optimize lighting performance, product appearance, and the visibility and legibility of information on human-machine interfaces, in a fully immersive environment.

**OPTIS** | ZE La Farlede CS 40275, 83078 Toulon Cedex 9, France | [www.optis-world.com](http://www.optis-world.com)



**SABIC** offers one of the broadest selections of thermoplastics materials to the automotive industry, including a range of application development services and capabilities. A leader in polycarbonate glazing solutions, SABIC is the only supplier today with advanced plasma coat technology, which delivers the weathering and abrasion performance to ensure durable glazing over the life of a vehicle.

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With systems installed worldwide, **SYNERGX Technologies Inc.** is a leading global supplier of automated optical inspection technologies for the glass industry including automotive, photovoltaic, appliance, bottling and architectural glass. Our proprietary image acquisition and processing technology, combined with our mechanical engineering and systems expertise are successfully used by the top glass manufacturers globally.

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**Your personal registration code**

**INFOLINE**  
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If you have any questions about the forum, we will be pleased to help you! We will be happy to answer your questions about the conference program, sponsoring and exhibition:

**Sponsoring & Exhibition**



Şenel Çelik, Sales Manager  
Phone: +49 (0)2 11. 96 86–37 28  
senel.celik@car-training-institute.com

**Content & Conception**



Elisa Ansar, Conference Producer  
Phone: +49 (0)2 11.96 86–35 32  
elisa.ansar@car-training-institute.com

**Customer Service & Registration**



Katharina Harmeling  
Phone: +49 (0)2 11.96 86–39 01  
registration@car-training-institute.com

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17 – 18 June 2015, Rochester (MI), USA

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Register  
by 27 April  
and save  
\$ 400

PRICE	Early bird price until 27 April 2015	Early bird price until 17 May 2015	Regular price from 18 May 2015
17 and 18 June 2015 Conference	\$ 1,450	\$ 1,650	\$ 1,850

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**CONFERENCE VENUE  
AND ACCOMMODATION**

The Royal Park Hotel  
600 East University Drive  
Rochester– Michigan 48307, USA  
Phone: +1 248–652–2600

In the conference hotel, there is a limited allocation of rooms available at a reduced price. Please arrange the room reservation directly with the hotel quoting the reference "CTI – car training institute".

You can find our terms and conditions here: <http://cti.euroforum.de/en/agb>



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