



AUTOMOTIVE GLAZING USA

Transformation for Next Gen Mobility

TOPICS

Regulations
New safety standards
Insurance trends
New requirements of OEMs
Windshield technology enabling ADAS
Smart glazing surfaces
Lamination
Light weight technology
New trends in polycarbonate

WITH INSIGHTS FROM

3M, AGC, Antaya, Auto Glass Safety Council, Cerence, Corning, Enflex, Ferro, Five Star Coatings Group, Ford, Highway Loss Data Institute, ISRA Surface Vision, Kettering University, Kraiburg, Luminaz, Poley Technology LLC, Sabic, Sekisui, SYNERGX, Texas Instruments

www.automotiveglazing-usa.com

#ctiglazing



AUTOMOTIVE GLAZING USA

The traditional glazing industry is facing many changes. New technical trends, such as autonomous driving and driver assistance systems, implicate new products especially for the interior and windshields. New legal regulations to ensure the safety of vehicle occupants need to be observed. Moreover, new component manufacturers and technology companies join the market.

Take part in the annual get-together of key player of automotive glazing and meet new experts of this field. Listen to overall solutions and latest technologies provided by OEM, suppliers and researchers.

Join the
automotive glass
community!

LinkedIn

[linkedin.com/groups/8222098](https://www.linkedin.com/groups/8222098)

ADVISORY BOARD



Thomas Cleary,
Research Manager –
Reliability Science,
Corning Inc.



Joseph Poley,
President,
Poley Technology LLC



Dhiraj Uikey,
Global Technology Automotive
– Smart Panels and Lighting,
Sabic

YOUR ADVANTAGES

- Be part of this community meeting of automotive glazing experts – OEMs and suppliers
- Get up-to-date on innovations and current trends
- Meet OEMs, glass manufactures as well as component, electronic and polycarbonate companies
- Benefit from a wide range of different contacts and refresh your network



8.00

Business reception – register and network in the exhibition area

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

Look for your match at our matching wall

Visit of the automotive glazing exhibition

8.45

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

Joseph Poley, President, Poley Technology LLC

● **REGULATIONS – SAFETY**

9.00

SAE J3097TM / ANSI Z26.1 – 2019, the benefits of the new standard for safety glazing materials for motor vehicles

- New american automotive safety glazing standard just developed by SAE

Joseph Poley

9.30

Safety Issues in glass repair and replacement

- Understanding safety issues involved with glass replacement and repair
- How ADAS affects auto glass repair and replacement
- Assuring proper auto glass replacements
- Issues that affect car manufacturers and the aftermarket glass industry

Debra Levy, President, Auto Glass Safety Council

“Glass is an integral part of the safety systems of any vehicle. Insuring quality replacement of glass is a major safety issues.”

10.00

Reflections on regulations – Conflict between US regulatory landscape and future automotive glazing Technologies (smart panels)

- Future automotive glazing technologies slowed by regulatory landscape based on simple glazing
- US congress' current "laissez-faire" approach to federal autonomous vehicle regulation

Eric Rogers, IP Counsel & Market Strategy Leader, AGC Automotive Americas

10.30 Q & A with speakers

11.00 Networking break in the exhibition area

11.30

Panel discussion – Evolution of regulations

- How will regional and global regulations evolve of next gen mobility
- OEM/Tier coordination with regulatory bodies
- Input from users – general population

Joe Poley, Debra Levy, Eric Rodgers

● **INSURANCE TRENDS**

12.15

Impact of collision avoidance systems on insurance glass losses

- Trends in insurance glass losses
- Glass losses for vehicles with cameras behind the windshield
- Repair vs replacement rate of windshields with and without cameras

Kay Wakeman, Director of Insurance Outreach, Highway Loss Data Institute

“There are higher glass claim severities for vehicles with camera-based front crash prevention systems compared to those without the systems.”

12.45 Q & A with speakers

1.00 Networking lunch in the exhibition area





● NEW REQUIREMENTS OF OEMS – QUALITY AND MEASUREMENTS

2.00

Quality issues in automotive glass – Understanding, identifying and measuring their origins instead of just sorting out the final product

- How different float glass quality aspects influence automotive glass
- Metrology (systems) for transmitted distortion, reflected distortion and waviness
- Influence on quality requirements due to new features like ADAS or HUD

Stefan Tasse, Senior Research Scientist, ISRA Surface Vision GmbH

“The quality requirements of automotive glass in general are increasing. Understanding, identifying and measuring quality-relevant glass properties as early in the process as possible is essential to yield preservation.”

2.30

Measurement on glazing

3.00 Q & A with speakers

3.30 Networking break in the exhibition area

● NEW WINDSHIELD TECHNOLOGY

4.00

Mechanisms of windshield breakage and designs to improve durability

- Review of the dominant breakage mechanisms
- Impact tests to replicate these mechanisms
- Effect of laminate designs on performance

Thomas Cleary, Research Manager – Reliability Science, Corning Inc.

4.30

Essence of innovative low-cost highest speed & worldwide quality: glass windshield project

- Innovative low cost – glass windshield product, initially Idea applied in 3W deep bend market and grabbed 50% market share in the globe
- The machine fixing
- Conventional major machine's elimination
- Delighting benefit approach
- Focused processes for machines cost & product cost reduction

Pankaj Srivastava, Business Head & President, Luminaz Safety Glass Pvt Limited, A Laxmi Group Company Aurangabad

5.00

Panel Discussion – Vision for next gen mobility

- Challenges
- Need for Enabling Innovations
- Industrialization of solutions

Tom Cleary, **Ted Ladewski**, Optical Engineer, Ford Motor Company, **Dimitris Katsamberis**, Technology Leader, Five Star Coatings Group

5.30 End of day 1



8.00

**Business reception and
visit of the automotive glazing exhibition**

8.15

Opening of day 2 of the conference by the chairman
Joseph Poley, President, Poley Technology LLC

● INTERIOUR DESIGN AND SMART PANELS

8.30

**Polarized light: How it affects road surface visibility
for you and your car's vision system**

- How road surfaces polarize light and why it matters
- Your windshield: The polarizing filter you didn't know was there
- The effects of polarized light on camera image quality

Ted Ladewski, Optical Engineer, Ford Motor Company

"As the industry adopts ADAS, OEMs need a good understanding of polarized light's impact on camera image quality."

9.00

Smart panels
(to be confirmed)

9.30

**Enabling 3D shape infotainment modules using
polycarbonate**

Dhiraj Uikey, Global Technology Automotive – Smart Panels
and Lighting, Sabic

10.00 Q & A with speakers

10.30 Networking break in the exhibition area

11.00

**Beyond distortion: A more comprehensive optical
characterization for automotive glazing qualification
in ADAS applications**

Stephane Baldo, CTO, SYNERGX Technologies Inc. Canada

11.30

**Transparent window displays for next generation
vehicles**

Kazuhiro Tomura, Senior Marketing Engineer,

SEKISUI CHEMICAL CO., LTD and

Sam Martin, Optical Systems Engineer, Texas Instruments

12.00

**Resistance of tempered automotive safety glass
with interior surface printed with ceramic paint
obscuration bands**

John Hickey, Business Manager North America – Digital Glass.

Dip-Tech, A Ferro Company, Digital Ceramic Glass Printing

12.30 Q & A with speakers

1.00 Networking lunch in the exhibition area

● INTERIOUR TECHNOLOGY FOR THE GLAZING OF THE FUTURE

2.00

**Using special window glazing for AI for voice
technology for the automotive industry**

Adam Emfield, Senior Manager of UX, Head of DRIVE Lab,
Cerece

2.30

**Scalable, multi-axis flex, circuitry solution to
companies looking to develop electronics in high-
motion areas or across curved surfaces**

Maxey Madison, Founder and CEO, Loomia (to be confirmed)



3.00 Q & A with speakers

3.30 Networking break in the exhibition area

● ROUNDTABLE SESSION WITH TOPICS TO CHOOSE

4.00

Introduction of the Roundtables

4.45

The Future of glass – will be glass, polycarbonate, another substrate and how does that impact the future landscape etc.

Host **3M**

REGULATIONS

Joe Poley and Eric Rogers, AGC Automotive Americas

INFOTAINMENT

Dhiraj.Uikey, Sabic

ADAS AND THE IMPACT ON WINFSHIELDS

Ted Ladewski, Ford Motor Company

Tom Cleary, Corning

COATINGS FOR FUTURE GLASS

Dimitris Katsamberis,

Five Star Coatings Group

5.20

Presenting the results of the table discussion in front of the plenary

6.00 End of day 2



**Informative and thought-provoking.
Excellent opportunity to network within a very targeted community.**

Martin Tune, BMW Manufacturing Co., LLC

**Well organized.
Interesting topics.
Good opportunity, to develop contacts and potential business opportunities**

Luis Gonzalez, Antaya Technologies

8.30

Business reception – Network in the exhibition area

9.00

Opening of day 3 of the conference by the chairman

Joseph Poley, President, Poley Technology LLC

● NEW METHODS AND TECHNOLOGY

9.00

Process optimization for part application to laminated and tempered glass

- Introduction to a different bonding method to glass
- Technical profile of the structural bonding tape
- Application integration with process optimization

N.N., 3M

● LIGHT WEIGHT SOLUTIONS

9.30

Enabling the growth of safety and convenience features in response to automotive light weighting trends

N.N., Antaya Technologies

10.00

Low weight for high challenges – feathery TPE for automotive application

- New TPE innovation with lowest density of 0,72 g/cm³ without foaming
- Weight reduction possibility of soft plastic automotive applications like glass encapsulation, glass run channels, window sealings
- 50 % weight reduction in comparison to PVC
- Superior compression set and sealing behavior

Matthias Michl, Expert Window-Encapsulation / Cappings-Cover-Pillar, Head of Team Automotive Application Development, KRAIBURG TPE GmbH & Co. KG

10.30 Q & A with speakers

11.00 Networking break in the exhibition area

● NEW POLYCARBONATE TRENDS

11.30

Multi-shot injection compression molding for optically clear polycarbonate components – simulation validation

Dhiraj Uikey, Senior Business Manager – Industry Marketing and Strategy, Sabic

12.00

Atmospheric pressure plasma deposition applied to coatings for polycarbonate glazing

- New, high performing coatings for polycarbonate, including UV-cured and thermally-cured
- Advancements in deposition of coatings using atmospheric pressure plasma, an established manufacturing process
- Durability improvements from application of atmospheric pressure plasma to single-layer wet coatings

Dr. Mary Gilliam, Associate Professor

Dr. Yuta Goto, Shin-Etsu Chemical Company, Ltd.

Dr. Kohei Masuda, Shin-Etsu Chemical Company, Ltd.

Dr. Koichi Higuchi, Shin-Etsu Chemical Company, Ltd.

12.30

New Structure of polymer multi-layer polycarbonate glazing for light-weight auto-glazing solutions

- Old technology with a new approach
- Diversity of applications
- Distinguished properties for auto-glazing

Dr. David Wang, CEO, Enflex Corporation

1.00 Q & A

1.15 Networking lunch in the exhibition area

2.00 End of the international CTI Glazing USA conference



SPONSORING & EXHIBITION

Benefit from this unique automotive glazing platform!

GOLD PARTNER



SILVER PARTNER



MEDIA PARTNERS



EXHIBITORS



COMPANY PRESENTATION



PRESS SPONSOR



BECOME A PARTNER

EXHIBITION – SPOTLIGHT ON YOUR COMPANY

As an exhibitor you can easily communicate with companies, that are hard to reach without a time-consuming effort. It establishes a strong presence, present your product solutions, extend your contacts and leads in a suitable setting. CTI supports you with your exhibition – before, during and after the event.

YOUR CONTACT



Şenel Çelik, Sales Director
+49 211 88743-3728
senel.celik@car-training-institute.com



AUTOMOTIVE GLAZING USA

Transformation for Next Gen Mobility

The only glazing focused conference. Good range of topics.

T. Cleary, Corning Incorporated

Good to meet other professionals and to share newest developments in the field.

H. Rakus, Volkswagen AG

You will get access to the glazing experts.

K. Paschkowski, Sika Automotive GmbH

Register online:

registration@car-training-institute.com

	PRICE
CONFERENCE	2,350 \$*

[P2300535]

* excl. VAT per person
A substitute may attend in your place at no additional cost. The fee covers full digital conference documentation.

YOUR BENEFITS

- Meet international prospects by positioning your company's core competence at the forum.
- Set yourself apart from your competitors as an exhibitor or sponsor.
- Take advantage of the unique opportunity to present your company, products and services to an exclusive circle of participants.

As participant of a CTI event you receive the Handelsblatt business access free of charge for 3 months. This offer ends automatically. Handelsblatt GmbH will send you an email with all relevant access information. For this purpose we will make your contact details available to Handelsblatt GmbH. You may object to this free-of-charge service at any time.

YOU CANNOT ATTEND?

The forum documents are available two weeks after the conference at the price of 400 USD*.
(For more information: +49 211 88743-3845)

You can find our terms and conditions online at: euroforum.de/agben

INFOLINE

+49 211 88743-3845

We will be happy to answer your questions:

CUSTOMER SERVICE & REGISTRATION



Volker Altenbeck
+49 211 88743-3845
registration@car-training-institute.com

CONTENT & CONCEPTION



Leonie Harmal, Conference Director
leonie.harmal@car-training-institute.com

SPONSORING & EXHIBITION



Şenel Çelik, Sales Director
+49 211 88743-3728
senel.celik@car-training-institute.com

NEED TO UPDATE YOUR CONTACT DETAILS?

Please call us or send an email: +49 211 88743-3333, info@euroforum.com. You have the right to object to the use of your data for the purpose of direct advertising at any time. In addition, you have the right to demand information from us regarding the data about you that we have stored as well as the right to demand correction of incorrect data and the right to demand deletion in the event of inadmissible storage of data. You can contact our Data Protection Officer at "Datenschutzbeauftragter c/o Euroforum Deutschland GmbH, Toulouser Allee 27, 40211 Düsseldorf". In addition, you have the right to file a complaint with the supervisory authority.

www.automotiveglazing-usa.com | #ctiglazing

twitter.com/CTI_Symposium facebook.com/CTISymposium linkedin.com/groups/8222098