

## **Celanese to Present Innovative Composite Developments at International CAR-Symposium in Germany**

### ***Cost-Effective, Light-Weight Transportation Solutions***

Florence, Ky., Sulzbach, Germany, Shanghai, PR China, Jan. 24, 2014 – [Celanese Corporation](#) (NYSE: CE), a global technology and specialty materials company, will present innovative composite developments for light and tough automotive components during the international [CAR-Symposium](#) on Tuesday, Jan. 28, in Bochum, Germany.

As a partner company of the CAR-Symposium, Celanese is presenting “UD-reinforced thermoplastic Composites – The Key for tailor-made Products” at 1:15 p.m. during the [Infoshop Block II](#) “Material trends and lightweight construction” segment.

Manfred Reif, an engineer in Materials & Lightweight Construction at Celanese, and Dr. Oliver Kuisle, head of Application Development at Celanese, will explain the benefits of a weight-optimized commercial vehicle storage compartment flap made by using [Celstran®](#) CFR-TP PP GF70, a 70 percent glass polypropylene continuous-strand, unidirectional-glass (UD) tape from Celanese, as well as a process co-developed with the Fraunhofer Institute for Chemical Technology (ICT) and EDAG GmbH & Co. KGaA.

“We wanted to find a way of producing an inexpensive, CO<sub>2</sub>-saving lightweight component in small-scale – and we succeeded with the thermoplastic tape laying method,” Reif said.

The tapes, comprising a thermoplastic matrix, are reinforced with unidirectional continuous fibers that give them outstanding mechanical properties: They are light, resilient and can be processed to form complex shapes. Laying thermoplastic tapes also reduces waste and cost.

**Celanese Material Innovations**

Celanese, with 50-plus years of material innovation, offers engineered materials with a spectrum of advanced properties that are helping automotive original equipment manufacturers and tier suppliers improve quality while reducing weight and lowering production costs, as well as safety and comfort.

For example, a glass fiber-reinforced [Fortron®](#) polyphenylene sulfide (PPS) injection molding grade from Celanese was used for a head-up display that shows important information directly at the driver's eye level. The rigid, temperature-resistant material features high dimensional stability and low warpage, enabling very narrow tolerances that allow precise dimensions for various components.

"The components of a head-up display – case bearing housings, the optical rail and mirror holder – should not even change shape slightly", said Monika Taut, graduate engineer in applications technology, Celanese Transportation Business Unit, in describing the advantages of Fortron PPS. "This material is resilient and has extremely low moisture absorption over a wide range of temperatures, making it the material of choice for these lightweight components."

### **About Celanese**

*Celanese Corporation is a global technology leader in the production of differentiated chemistry solutions and specialty materials used in most major industries and consumer applications. With sales almost equally divided between North America, Europe and Asia, the company uses the full breadth of its global chemistry, technology and business expertise to create value for customers and the corporation. Celanese partners with customers to solve their most critical needs while making a positive impact on its communities and the world. Based in Dallas, Texas, Celanese employs approximately 7,400 employees worldwide and had 2013 net sales of \$6.5 billion. For more information about Celanese Corporation and its product offerings, visit [www.celanese.com](http://www.celanese.com) or our blog at [www.celaneseblog.com](http://www.celaneseblog.com).*

*All registered trademarks are owned by Celanese or its affiliates.*

### **Celanese Business Unit Contacts:**

Engineered Materials:	Americas: Stephen Cushard, Global Marketing Communications Manager +1-859-372-3164 <a href="mailto:Stephen.Cushard@celanese.com">Stephen.Cushard@celanese.com</a>
	Europe: Henning Küll, Public Relations Manager +49-69-45009-1797

Henning.Kuell@celanese.de

Asia:

Amber Zhao, Marketing Communications

+86-21-3861-9222

Tong.Zhao@celanese.com

**Forward-Looking Statements**

*This release may contain "forward-looking statements," which include information concerning the company's plans, objectives, goals, strategies, future revenues or performance, capital expenditures, financing needs and other information that is not historical information. When used in this release, the words "outlook," "forecast," "estimates," "expects," "anticipates," "projects," "plans," "intends," "believes," and variations of such words or similar expressions are intended to identify forward-looking statements. All forward-looking statements are based upon current expectations and beliefs and various assumptions. There can be no assurance that the company will realize these expectations or that these beliefs will prove correct. There are a number of risks and uncertainties that could cause actual results to differ materially from the forward-looking statements contained in this release. Numerous factors, many of which are beyond the company's control, could cause actual results to differ materially from those expressed as forward-looking statements. These factors include the inability to obtain regulatory approvals of the transaction and satisfy conditions on the proposed terms and schedule and the possibility that the transaction does not close. Other risk factors include those that are discussed in the company's filings with the Securities and Exchange Commission. Any forward-looking statement speaks only as of the date on which it is made, and the company undertakes no obligation to update any forward-looking statements to reflect events or circumstances after the date on which it is made or to reflect the occurrence of anticipated or unanticipated events or circumstances.*

###