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PPG Printable Heating Technology to Be Highlighted at WardsAuto UX Conference

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PITTSBURGH--(BUSINESS WIRE)-- PPG (NYSE: PPG) today announced that its Positive Temperature Coefficient (PTC) printable heating technology will be featured in a presentation during the WardsAuto UX (User Experience) Conference in Novi, Michigan, on Oct. 1. The printed heater can replace conventional heating elements in automotive vehicle seats and other applications.

Richard Vaughan, creative director for CGT, a leading manufacturer of interior surface materials for the automotive industry, will highlight PPG's PTC technology during a panel discussion titled "The Latest UX Technologies for Upcoming Platforms" at 10:45 a.m. ET. Vaughan will discuss the technology's role in CGT's new Conduct® smart surface material, which can be used in automotive seats and other interior applications.

"At CGT, we are transitioning our materials from a passive, decorative role in the vehicle to an active role in the form of smart surfaces," Vaughan said. "Our new seating material featuring PPG's capacitive inks is an outstanding example of how advanced technology can increase the functionality and corresponding user benefits of virtually any interior surface."

Developed at the PPG Global Coatings Innovation Center in Allison Park, Pa., PTC technology is a printed, self-regulating heater that provides new levels of accuracy, control and safety. Unlike traditional printed heaters, PTC heaters feature a resistive carbon coating that heats up when a current load is applied, then increases resistance at predetermined temperatures.

"In addition to vehicle seats, PTC can be adapted for use as energy-efficient radiant heating for the passenger compartments of electric vehicles," said Peter Votruba-Drzal, PPG global technical director, automotive OEM coatings. "These coatings are extremely thin, and more flexible than many existing heating sources."

A variety of applications already use PTC technology, including heated apparel produced for the 2018 Winter Olympics. It offers heat transfer with no hot spots, helps reduce power consumption, offers long service life and eliminates the need for complicated electrical controls.

The UX Conference focuses on vehicle electronics, software, active surfaces and other technologies that are transforming the way consumers use their vehicles. For additional information, including the conference agenda, visit wardsauto.informa.com/ux/.

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At PPG (NYSE:PPG), we work every day to develop and deliver the paints, coatings and specialty materials that our customers have trusted for more than 135 years. Through dedication and creativity, we solve our customers' biggest challenges, collaborating closely to find the right path forward. With headquarters in Pittsburgh, we operate and innovate in more than 70 countries and reported net sales of \$15.4 billion in 2018. We serve customers in construction, consumer products, industrial and transportation markets and aftermarkets. To learn more, visit www.ppg.com.

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