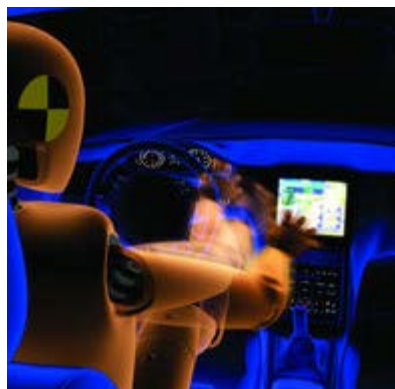


From: SAE Customer Service
Sent: Monday, August 19, 2013 10:40 AM
To: Stephanie Stroud
Subject: SAE Electronics & Connectivity Technology eNewsletter August 2013

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Gesture recognition gets a thumbs up

"With the wave of a hand" may move from magicians' banter to car salesman's description within a few years. Many automakers and suppliers are racing to devise gesture recognition that lets drivers manage complex functions without being distracted. [Read full story](#)



Telematics, autonomous control high on Komatsu's tech agenda

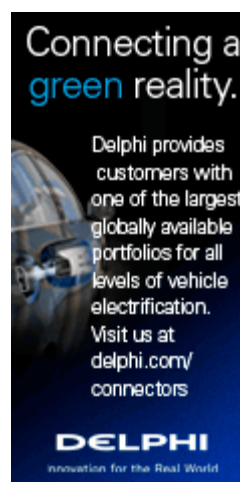
Komatsu America's CTO Mitsuru Ueno (shown) and VP of Mining Erik Wilde, who are serving as co-chairs for the SAE 2013 Commercial Vehicle Engineering Congress, discuss this year's event and some important cross-industry technology trends. [Read full story](#)

[Miniature SAW Filters for Telematics](#)

[EPCOS SAW filters from TDK are key for vehicle telematics. Qualified to AEC-Q200, our product portfolio includes chip-sized SAW packages with a 1.4 x 1.1 mm² footprint. EPCOS SAW filters in various package sizes are ideally suited for devices capable of transmission and reception. Download details!](#)

Freescall package could hasten radar for mainstream cars

Radar is expected to expand beyond its current role as a forward-looking sensor on luxury vehicles to a mainstream offering that also scans sides and possibly the rear of the vehicle. Freescall Semiconductor is hoping to cash in on this potential





growth market with a specialized chipset that it says will lower pricing, simplify the design cycle, and save as much as 40% in board space. [Read full story](#)

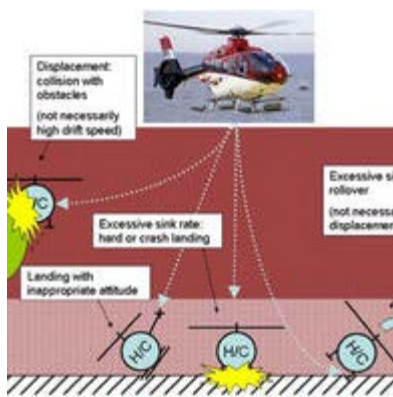
[SAE Career Center--What career opportunities are you missing?](#)

Today, more and more employers and recruiters are looking for the qualified passive job seeker. Have you looked at the horizon lately and asked yourself any of the following questions? Am I where I should be? Does my work challenge me daily, weekly, monthly or not at all? Am I content with the status quo or do I want more? Did you answer no or maybe? Take the next step to exploring your opportunities and for a chance to be where you deserve. Visit the [SAE Career Center](#) > [Post your anonymous resume](#) > [Search Job Openings](#) > [Create Job Alerts](#) > and more.



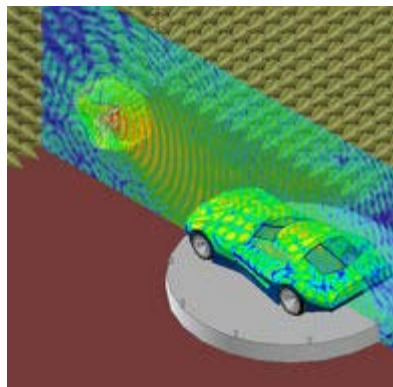
'Valve-by-wire' gives a lift to combustion technology

Intelligent Valve Actuation is claimed to overcome the limitations of previous variable valve control systems via the combination of high-speed digital control and desmodromic valve operation. [Read full story](#)



The DEVILA is in the details of software integration for safety avionics

The decreasing relative cost of electronics and the pace of electronics development have significantly increased the need to adopt modern commercial off-the-shelf computing architectures in avionics. [Read full story](#)



Electromagnetic simulation of antennas installed inside vehicles

The potential for electromagnetic interference (EMI) is increasing due to many factors: an increased number of embedded control units, higher onboard diagnostic (OBD-II) data rates, increased number of controller area network lines, etc. A new generation of simulation tools makes it possible to predict and correct in advance major things that can go wrong with the electronics. [Read full story](#)

Vision system performs 100% inspection in high-volume valve cover production

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To deliver 100% CMM-like inspection for high-volume automotive component manufacturing, a supplier of V6 valve covers tapped HAHN Automation to design and build an inspection system that relies on machine vision. [Read full story](#)

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