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Electronics Blog

Rick DeMeis Keeps You Up To Date

Seen At SAE

Finally arriving at the SAE Congress in Detroit today—only 24 hours from my door near Boston to the hotel—I did have time to squeeze in seeing some automotive electronics developers at the show. Here are a couple of their wares:



Jim Spare, VP at Canesta demonstrated the [CanestaVision 3D Vision](#) on a chip. This system offers low-cost imaging for safety functions such as automobile occupant classification (size and position), backup view and warning, lane departure warning, and adaptive cruise control. Using a CMOS sensor, the system's proprietary imaging software constructs a "depth map" of objects illuminated by 840-nm infrared LED or laser sources. The single-chip device targets replacing radar, ultrasound, and other vision-based sensors. Development kits are available.

Over at National Instruments, the plethora of developments shown by automotive and industrial Product Marketing Manager Joel Shapiro included the just released electrically isolated PCI data acquisition ([PCI-6230](#)) and motion control ([PCI-7390](#)) boards. The company's eased programmability features are thus now available in isolated circuit devices, which reduces such problems as common mode voltage and ground loops, especially useful for automotive applications.

Posted by Rick DeMeis on Apr 4, 06 11:12 PM in [Electronics](#)

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