## **SAE International to Conduct Courses on Engineers' Professional Development**

SAE International will offer four new professional development courses in conjunction with the SAE 2013 World Congress & Exhibition.

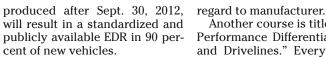
The courses will be held Monday-Friday, April 15-19 from 8:30 a.m. to 4:30 p.m. at the Marriott Renaissance Center in Detroit.

The courses include one titled, "Robust Design." At this course, engineers will be taught to create designs that meet customer specifications. When creating these designs, the focus is usually on the nominal values rather than variation. Robustness refers to creating designs that are insensitive to variability in the inputs.

Much of the literature on robustness is dedicated to experimental techniques, particularly Taguchi techniques, which advocations to estimate variation.

Corrosion education and prevention is essential to improve and increase the service life of parts and components, which may have a significant impact on the economy of various industries and nations.

to Traffic Crash Reconstruction."



Accident Reconstructionists frequently have trouble reconciling EDR data with other data sources, and improvements in ABS technology result in fewer tire marks visible at the scene of crashes to allow calculation of pre-crash speeds without an EDR.

This course will provide the participant with the skills necessary to analyze EDR data that has already been imaged, apply it to crash reconstruction, and reconcile it with calculations using other data sources.

The course will enable the participant to analyze any current and future EDR data set without

Another course is titled, "High-Performance Differentials, Axles and Drivelines." Every automo-bile has a differential and most have axles, yet the exact function of these is not common knowledge. This comprehensive seminar introduces participants to the function and interfaces of axles and their individual components. As we modify cars for street performance or all-out race applications, it is important to know the trade-offs in the drivetrain system.

For more information, contact SAE Customer Service at: 1-877-606-7323 (U.S. and Canada only) or 1-724-776-4970 (outside U.S. and Canada), or by email at customerservice@sae.org.



