

Paper Abstract for AFS Emission Solutions in Transportation conference  
October 6-8

Title: Challenges in Testing Hydrocarbon Evaporative Emission Adsorbers used in Automotive Air Induction Systems

Since 2005, the tightening of Evaporative emission requirements in passenger car vehicles has required the need to mitigate emissions produced through the air induction system after the vehicle engine has been turned off. While successful designs using passive hydrocarbon adsorbers has been implemented and presented in numerous technical papers, there remains complexity and challenges in testing and acquiring representative and accurate data. An SAE sub-committee has been formed to investigate the various test methods being used and develop a comprehensive standardized method that will support the entire industry. This paper will review the current proposals for these standardized testing methods.

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### **Biography**

*Gary Bilski is the Chief Engineer at Honeywell Consumer Products Group in Perrysburg, OH where he has worked for over 22 years. He is responsible for developing new technologies for automotive filtration and holds 9 patents. He serves on both the SAE Air and Liquid filter committees and is currently chairing a sub-committee to develop a standardized test method for Hydrocarbon Adsorbers.*