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## **AppliedSensor Presents Paper on New Micro-Machined MOS Gas Sensors and Trends at ISOC Symposium GOSPEL Workshop**

Warren, New Jersey – [AppliedSensor](#), a designer and manufacturer of chemical sensor components and indoor air quality (IAQ) modules, will wrap up a busy season of presentations on healthy buildings and indoor air quality with “*New Applications and Development Trends for Micro-Machined MOS Gas Sensors*” by AppliedSensor GmbH’s Director of Marketing and Sales Dr. Heiko Ulmer and CTO Dr. Stefan Raible. The paper will be presented at the [General Olfaction and Sensing Projects on a European Level \(GOSPEL\) Workshop](#), which is part of The [International Society for Olfaction and Chemical Sensing \(ISOCS\)](#) symposium, November 30 through December 1, 2009 in Tübingen, Germany.

The presentation will detail advancements in sensor technologies and explore the different gas detection principles that have been investigated and optimized over the years. According to the paper, MOS gas sensors in particular have advanced from basic research to application-driven developments, and now are incorporated into a wide variety of commercial products because of improved reproducibility, stability and lower cost. In addition, the use of Micro Electro-Mechanical Systems (MEMS) substrates offers new possibilities due to low power consumption, packaging options and operation modes. Copies of the presentation are available by emailing [Heiko Ulmer](#) or calling him at +49-7121-5148616.

A similar presentation on “*Demand Controlled Ventilation for Improved Perceived Air Quality*” was made by Dr. Ulmer, along with AppliedSensor’s Senior Scientist Dr. Martin Herold and Scientist Simone S. Herberger at Healthy Buildings 2009, part of the Ninth [International Society of Indoor Air Quality and Climate’s \(ISIAQ\)](#) Conference and Exhibition in Syracuse, New York in September 2009. The following month, the trio presented “*MOS Gas Sensor Technology for Demand-Controlled Ventilation*” at The [Air Infiltration and Ventilation Centre’s \(AIVC\)](#) 30th Annual Conference in Germany. The presentation was part of the Fourth [International Symposium on Building and Ductwork Air Tightness \(BUILDAIR\)](#).

“Our participation in these events exemplifies AppliedSensor’s position as a leader in gas sensor technology,” said AppliedSensor, Inc. CEO Tom Aiken. “Our team’s in-depth technical knowledge enables us to develop custom solutions for monitoring indoor air quality and integrating MOS sensors in demand-controlled ventilation systems.”

### **About AppliedSensor**

Relying on 25 years of research and development, AppliedSensor designs and manufactures chemical sensor systems for a broad range of applications, including the AS-MLV VOC Sensor Component for OEM integration into indoor air quality (IAQ) monitoring systems and the iAQ-2000 Sensor Module for indoor air quality and HVAC systems in hotel guest rooms, bathrooms, schools, offices, gyms, and other indoor commercial facilities. Both products detect in seconds the presence of volatile organic compounds (VOCs) such as alcohols, aldehydes, ketones, organic acids, amines, and aliphatic and aromatic hydrocarbons. AppliedSensor also manufactures in-cabin air quality monitors for BMW Sport Utility Vehicles and other high-end luxury autos and Hydrogen Leak Sensors for fuel cell vehicles manufactured by BMW, General Motors and for other applications. The company operates three facilities worldwide: AppliedSensor, Inc. in Warren, New Jersey; AppliedSensor Sweden AB in Linköping, Sweden; and AppliedSensor GmbH in Reutlingen, Germany. Additional information is available at [www.appliedsensor.com](http://www.appliedsensor.com) or by calling 1-908-222-1477.

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