



High Impact Technology Exchange Conference

Educating America's Technical Workforce

Fairmont Scottsdale (Arizona)

July 19–22, 2009

Title: MEMS (Micro Electro Mechanical Systems) Model Kits: Hands-on Approach to Understanding How They Work and Are Made

Date/Time: Sunday, July 19, 1:00 PM – 5:00 PM

Location: Fairmont Scottsdale Resort

Description: Microsystems, also known as MEMS (Micro Electro Mechanical Systems), are found in a wide variety of consumer, biomedical, and research-oriented products. MEMS is multidisciplinary by its very nature and it is therefore imperative that our current and future technicians, and those who teach them, have an appreciation of, and are able to connect to, a variety of STEM principals. This workshop will present, demonstrate, and allow the participants to interact with a series of macro "kits" which model the many elements found in MEMS micro-sensor device operation and fabrication methods.

Presenters:

Matthias Pleil, Southwest Center for Microsystems Education
Barbara Lopez, University of New Mexico
Fabian Lopez, Central New Mexico Community College
MJ Willis, MJ Consulting



**Visit www.highimpact-tec.org
for more information.**