

Wednesday Morning, November 12, 2014

Exhibitor Technology Spotlight

Room: Hall ABC - Session EW-WeM

Exhibitor Technology Spotlight Session

Moderator: Chris Moffitt, Kratos Analytical Limited, UK

10:20am **EW-WeM8 Product Advancements to Reduce Semiconductor Manufacturing Contamination**, *J. Legare, Mark Heller*, Dupont™ Kalrez® and Vespel

Sealing materials can degrade in harsh semiconductor manufacturing processes. Advancements in elastomeric sealing materials and their components help reduce the risk of contamination from sealing materials. This presentation will highlight the latest DuPont Kalrez® sealing products and their test results.

10:40am **EW-WeM9 Wet Cell II for Analysis at the Liquid Vacuum Interface**, *Junhang Luo*, Rodek, SPI Supplies

The liquid interfaces chemistry plays a key role in environmental, biological, and industrial processes. However, in-situ analyzing liquid surface is an extreme challenge because of the rapid liquid evaporation especially in vacuum. Wet Cell II makes it possible and simple for scientists and researchers to directly analysis of liquids at the molecular level in a vacuum environment with minor cost. As a lab-on-a-chip device, Wet Cell II can be straightforwardly adaptable to many different analytical platforms, including scanning electron microscopy (SEM) and time-of-flight secondary ion mass spectrometry (TOF-SIMS). Wet Cell II only consumes a few drops of liquid and requires little or no sample preparation. Typical applications include microbiology, liquid surface chemistry, drug delivery & reaction, and energy storage, etc.

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