

# Wednesday Morning, October 30, 2013

## Exhibitor Technology Spotlight

Room: Hall A - Session EW-WeM

## Exhibitor Technology Spotlight IV

Moderator: C. Moffitt, Kratos Analytical Limited, UK

10:00am **EW-WeM7 PREVAC's Solution for Scientific Software Needs**, *M. Czarniecki, J. Latkowski*, PREVAC sp. z o.o., Poland

Time used to integrate scientific equipment and get the various components of a complex system operating smoothly is time wasted. PREVAC has tackled this problem with a software platform that actually helps accelerate the scientific research process. RAPID SE (Rapid Scientific Environment) is a complete and versatile software environment which was developed after many years' experience of listening to and working with research labs worldwide. It is an intuitive, user-friendly environment which allows complex and interdependent scientific equipment to be operated from a single platform. Every aspect of a complete system, from pump-down and vent routines, sample manipulation, process recipe steps and data acquisition can be quickly and intuitively managed from the core RAPID SE platform. Rapid provides the following advantages:

- Real time synchronous data acquisition
- Fast, real time chart data preview
- Process automation with safety guard
- Visual system state presentation
- Process creation and control
- Extendable and reconfigurable during runtime (additional modules, connections, data presentations, etc.)
- Full system control from Graphical User Interface
- Fully customizable user interface
- Password protected user profiles
- Number of configurable working mode (eg. admin, scientist, student)
- Multi-screen support
- Graphical system state presentation
- Full system events log for system maintain and quick problem detection
- Email or SMS message notification on system events and errors
- Export collected data to various formats (real time data, archived data)
- PLC integration (option)

Examples of use: Data acquisition systems (data acquisition, system/devices control, failure detection and log) • Deposition systems (complete process and vacuum control, data acquisition, failure detection and log) • TDS (Thermal Desorption Spectroscopy Process Control) • UMS (Universal Mass Spectrometer) • VPC (Vacuum Pressure Control) • ASTS (Automation of The Sample Transfer System) • Vacuum Conditions Simulators

10:20am **EW-WeM8 Integrated AFM-Raman – Connecting Performance & Flexibility to Ease of Use & Reliability**, *M. Wall, M. Ibrahim*, Thermo Fisher Scientific

As the largest Raman instrument supplier in the world, Thermo Fisher Scientific is committed to continued innovations in Raman microscopy. The Thermo Scientific™ DXR™ family of Raman systems is known for making research performance Raman more accessible and useable by a wider number of users. **This year we extend our solutions to materials science research to include an integrated AFM-Raman solution that allows multifaceted analysis of advanced materials with nanoscale resolution.** Join us to briefly hear about instrument solutions for analysis of graphene and other advanced materials including Raman, co-localized Raman AFM, and TERS. Whether you're in academic or government research or an analytical laboratory in industry the DXR family can get you there faster.

# Authors Index

**Bold page numbers indicate the presenter**

**— C —**

Czarnecki, M.: EW-WeM7, **1**

**— I —**

Ibrahim, M.: EW-WeM8, **1**

**— L —**

Latkowski, J.: EW-WeM7, **1**

**— W —**

Wall, M.: EW-WeM8, **1**