

Tuesday Afternoon, November 5, 2024

Exhibitor Technology Spotlight Sessions

Room West/Central Hall - Session EW-TuL

Exhibitor Technology Spotlight Session

Moderator: Christopher Moffitt, Kratos Analytical Inc

12:30pm **EW-TuL-3 New Developments for Surface Analysis from Thermo Fisher Scientific**, *Tim Nunney, P. Mack, R. Simpson, H. Tseng*, Thermo Fisher Scientific, UK

In this presentation we will present the latest innovations in instrumentation for Surface analysis and materials analysis from Thermo Fisher Scientific.

12:45pm **EW-TuL-4 Physical Electronics Spotlight Session**,

1:00pm **EW-TuL-5 Kratos Spotlight Session**,

1:15pm **EW-TuL-6 Enviroesca II: An Evolution in Surface Chemical Analysis Under Environmental Conditions**, *Stefan Böttcher, F. Mirabella, P. Dietrich, A. Thissen*, SPECS Surface Nano Analysis GmbH, Germany

EnviroESCA elevated chemical surface analysis into a new era, bringing operando chemical studies and easily accessible near ambient pressure XPS from fundamental research into applied surface science and standard analytical laboratories. For the recent focus of XPS applications on renewable energies, UHV incompatible specimen and advanced electrochemical studies now it is time for the next step. EnviroESCA II significantly enhances surface analysis capabilities under environmental conditions.

As an evolution from the successful first release, EnviroESCA II keeps the unique operational concept for chemical and dynamical analysis, expanding into bulk, electronic structure and atomic structure analysis, with seamless infrastructure integration and higher operational performance. Using the newly released SPECS AEOLOS 150 AD-CMOS electron analyzer and the μ FOCUS 450 multilayer X-ray monochromator source EnviroESCA II allows for unrivaled automated routine analysis under environmental conditions with adjustable surface to bulk sensitivity.

1:30pm **EW-TuL-7 IMPEDANS Spotlight Session**,

Author Index

Bold page numbers indicate presenter

— **B** —

Böttcher, S.: EW-TuL-6, **1**

— **D** —

Dietrich, P.: EW-TuL-6, **1**

— **M** —

Mack, P.: EW-TuL-3, **1**

Mirabella, F.: EW-TuL-6, **1**

— **N** —

Nunney, T.: EW-TuL-3, **1**

— **S** —

Simpson, R.: EW-TuL-3, **1**

— **T** —

Thissen, A.: EW-TuL-6, **1**

Tseng, H.: EW-TuL-3, **1**