

**Universal Calibrations and Standardless Methods Guest Lecture Series  
June 15, 2012**

- 8:30 – 9:00 A.M.      **“Universal Calibrations - Standardless Methods vs. Special Calibrations - Standardized Methods”**  
*(Charlie Wu, University of Western Ontario)*
- 9:00 – 9:50 A.M.      **“Insight of the Fundamental Parameter Equations”**  
*(Bruno Vrebos, PANalytical Inc.)*
- 9:50 - 10:40 A.M.      **“Utilizing the Fundamental Parameter Method to create Universal Calibrations for Alloy and Petroleum Fuels “**  
*(Laura Oelofse, Rigaku Americas Corporation)*
- 10:40 – 11:00 A.M.      **Coffee/ Tea Break (@ B&G 1084)**
- 11:00 – 11:50 A.M.      **“Advanced Standardless XRF Analysis using Ominia“**  
*(Marcos vand der Haar, PANalytical Inc.)*
- 11:50 – 12:40 P.M.      **“UniQuant – Standardless Analysis in a Standard Driven World”**  
*(Al Martin, Thermo-Fisher Scientific)*
- 12:40 – 1:40 P.M.      **Lunch (@ B&G 1084)**
- 1:40 – 2:30 P.M.      **“Universal Calibrations: from the Lab to the Field”**  
*(Alexander Seyfarth, Bruker-Elemental)*
- 2:30 - 4:00 P.M.      **Discussions and Software Demonstration**

