

11:40 F-54 **Development of Quantification Method Using Fundamental Parameter Method for EDXRF**
S. Hara, N. Kawahara, T. Matsuo, M. Doi, *Rigaku Corporation, Osaka, Japan*

12:00 F-59 **Characterization of Gemstones by Multiple Excitation EDXRF**
M. Haller, *Fischer Technology, Windsor, CT*
V. Rößiger, *Helmut Fischer GmbH, Sindelfingen, Germany*
A. Peretti, *Gemresearch Swisslab AG, Lucerne, Switzerland*
D. Günther, *ETH Zürich, Switzerland*

THURSDAY PM

XRD & XRF

CULTURAL HERITAGE I (SUPPORTED BY BRUKER)

EVERGREEN A

Chairs: M. Walton, *Getty Conservation Institute, Los Angeles, CA*
K. Eremin, *Harvard Art Museum, Cambridge, MA*

2:00 F-19 **Invited—Analysis of Meissen Ceramics from the Hoffmeister Collection by HH-XRF**
A.J. Shortland, K. Domoney, *Cranfield University, Swindon, UK*
S. Kuhn, *Bonham's Auctioneers, London, UK*

2:30 C-8 **Invited—Analyzing Stratigraphy with a Dual XRD/ XRF Instrument**
G. Chiari, *Getty Conservation Institute, Los Angeles, CA*

3:00 D-3 **An Archaeologist's Dilemma**
K.D. Rogers, S. Beckett, S. Kuhn, *Cranfield University, Swindon, Wiltshire, UK*
A. Chamberlain, *Sheffield University, Sheffield, UK*
J. Clement, *University of Melbourne, Melbourne, Australia*

3:20 **Break**

3:50 F-50 **Invited—Incorporating the Concept of Secondary Targets in Handheld X-ray Fluorescence to Increase Sensitivity of Minor Elements**
C. McGlinchey, *The Museum of Modern Art, NY, NY*
B. Kaiser, T. Howe, *Bruker Elemental, Kennewick, WA*

4:20 F-79 **Characterization of Silver Gelatin Fiber Based Photographic Papers using X-ray Fluorescence Spectroscopy**
A. Martins, C. McGlinchey, L.A. Daffner, *Museum of Modern Art, New York, NY*
P. Messier, *LLC, Boston, MA*
A. Chapman, *University of Delaware Program in Art Conservation, Winterthur, DE*

THURSDAY PM

XRD

RIETVELD ANALYSIS II

EVERGREEN C

Chairs: J. Kaduk, *Poly Crystallography Inc., Naperville, IL*
S.T. Misture, *NYS College of Ceramics at Alfred University, Alfred, NY*

2:00 D-74 **Invited—High-Resolution Powder X-ray Diffraction Study of Complex Minerals**
S.M. Antao, *University of Calgary, Calgary, Alberta, Canada*