

# EDAX Micro-XRF Seminar and Workshop September 14, 15 and 16<sup>th</sup>, 2010 Nieuwland Science Hall B084

## EDAX will host a free Micro-XRF Seminar/Workshop on the campus of the University of Notre Dame

An overview of the technique will be given each day with examples of various applications including the analysis of glass particles, gems, coins, cement, currency and drugs. Hands on workshops will be held in the afternoon on all days. Attendees are welcome to bring samples for analysis. Due to time limitations, sample analysis may be restricted to a first come first serve basis.

Each day will be independently operated, starting with technique and tool overview followed by live operation of ours and samples you bring in for analysis.

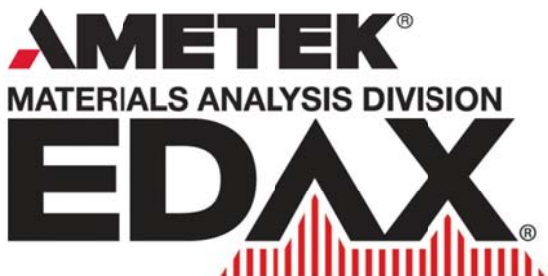
Micro-XRF is an analytical technique, which produces results similar to EDS but with lower limits of detection than seen in the SEM. With little to no sample preparation, no sample degradation or structural change to the sample, it is being widely used as a replacement/compliment to laser ablation ICP MS, PIXE and SEM/EDS or even synchrotron based XRF.

### MICRO-XRF CAPABILITIES AND CONSIDERATIONS:

- Qualitative and quantitative analysis
- No sample prep, no coating for charge build up
- Handles samples as large as a hand gun
- Analytical probe size down to 30 $\mu$ m or as large as 2mm
- Limits of detection in the parts per million
- Non destructive with no sample damage
- Complete elemental mapping, line scan, and spectral analysis
- Tool operation can be automated for ease of use

Send an email to Jim Hardy or Ed Stech for more information:

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