

# NATIONAL ASSOCIATION OF DOCUMENT EXAMINERS

## 2011 PRE-CONFERENCE WORKSHOP

### THEORY and SKILLS - IR/UV and Indented Writing Examinations

MONTREAL, CANADA

MAY 17-18 2011



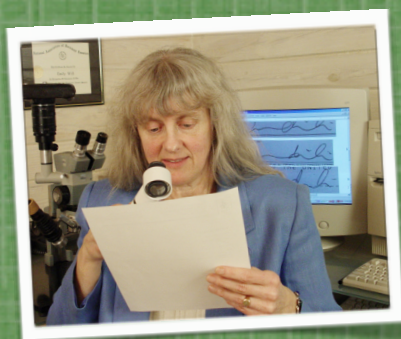
Foster and Freeman Video Spectral Comparator

Foster and Freeman ESDA Lite

Obliteration Revealed

## THEORY and SKILLS - IR/UV and Indented Writing Examinations

A 2-day, HANDS ON workshop addressing the use of Infrared Absorption/Reflection, Infrared Luminescence and Electrostatic Detection examinations to solve document examination problems.



Emily J. Will, CDE, D-BFDE  
Forensic Document Examiner



Graziella Pettinati, CDE  
Forensic Document Examiner

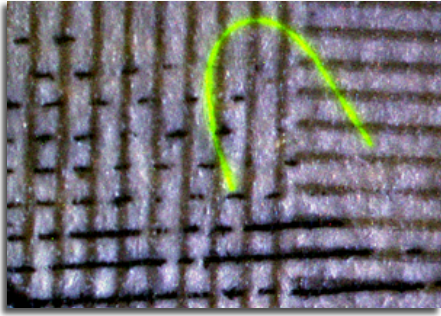
### DAY ONE - May 17

The Electromagnetic Spectrum - how and why various wavelengths are used to solve FDE problems. What are the possibilities and the limitations? What are the high-tech/lo-tech alternatives? Conducting examinations, demonstrating opinions, and explaining technical issues to the Judge/Jury.

### DAY TWO - May 18

Indented Writing Examinations using Electrostatic Detection. How and why does this work? How can results be maximized? What are possibilities and limitations in interpreting examination results? Oblique light and electrostatic detection devices will be used by attendees to solve typical FDE problems.

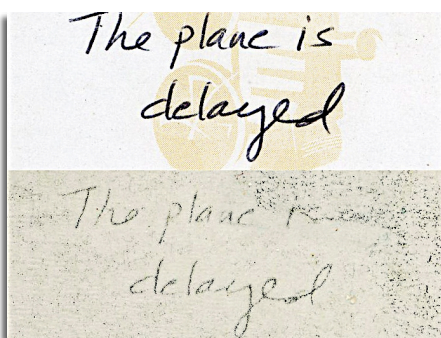
Lectures and hands-on experience using the spectral comparator and electrostatic detection device to solve document problems. Class size is limited to guarantee that participants will have the individual attention and time working with the devices that will result in a true learning experience. Attendees are expected to attend both days.



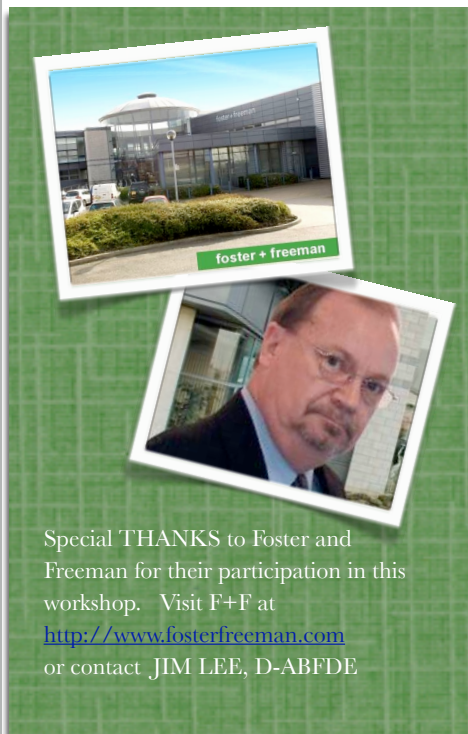
Fluorescing Security Fiber



IR Absorption/Reflection reveals obliteration



Indented Writing - ESDA "Lift"



Special THANKS to Foster and Freeman for their participation in this workshop. Visit F+F at <http://www.fosterfreeman.com> or contact JIM LEE, D-ABFDE

## Come for the Workshop!

Stay for the 2011 Conference of the National Association of Document Examiners

<http://documentexaminers.org>

### UV in Forensic Document Examination:

- Comparison of paper brightness
- Examination of currency and security documents

### IR Absorption/Reflection in FDE:

- Differentiation of Inks
- Detection of Alterations
- Revealing Obliterations

### Indented Writing Examinations in FDE:

- Detection of Latent images and information
- Detection of Page Substitution
- Study of document sequence and chronology
- Study of associations among documents

### Equipment Provided at Workshop:

- Foster and Freeman Video-Spectral Comparator, VSC-40
- Foster and Freeman ESDA-Lite Electrostatic Detection Apparatus
- VacuBox Electrostatic Detection Device
- MiScope digital microscope

### Workshop Nuts and Bolts:

- Laptop not required, but welcome
- Digital Camera, IR filters, MiScope all will be used if you bring them.
- Your current or past projects/questions are welcome
- Business casual - come prepared to work

### Contact:

- Graziella Pettinati, CDE - Workshop and Conference Coordinator
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