



Association of Forensic Document Examiners

Continuing Education Symposium October 25-28, 2006 Westmont, IL

Our host for the meeting will be **McCrone Associates** (Westmont, Illinois), the consulting laboratory in microscopy and microanalysis, and with the **College of Microscopy**, providing the facilities. The facilities will include a teaching auditorium with state-of-the-art audio-visual facilities, smaller room for meetings and workshops, a café for breaks and lunches, and breakout areas.

A number of papers have already been accepted and are listed below. We are still in the process of selecting presenters. As the program is completed, additional information will be posted on the AFDE website. Please check <http://www.afde.org/conf2006.html> for updates.

McCrone Scientists

The scientists will give an overview of analytical techniques that every forensic document examiner should know about, including Raman and infrared spectroscopy, and light and electron microscopy for imaging and analysis.

A tour of the facilities will allow the attendees to observe the equipment used for the various analytical techniques employed by the laboratory.

Speed in Handwriting

Emily J. Will
Forensic Document Examiner
Raleigh, NC

There are several characteristics that document examiners look for in speed in static handwriting. Electronic capture devices allow the examiner to determine actual speed statistics from dynamic handwriting. In this presentation the static method and dynamic method of evaluation of speed are used side-by-side. An informal speed "proficiency test" will be distributed, and there will be a discussion of the use of the graphics tablet/software combination as a training method for better understanding of static handwriting, and to assist the examiner in explaining and supporting principles of handwriting identification.

Probabilities for Stating Opinions

Manfred Hecker
Forensic Document Examiner
Germany

This presentation will center on the results of a project group appointed by the Forensic Science and Technology/Police Records Commission, to explore the standardization of terminology used by experts to express opinions. The results were probability scales to express the expert's subjective degree of certainty.

A Workshop on Curvature Analysis

Huib Hardy
Forensic Document Examiner
The Netherlands

Bonnie Schwid
Forensic Document Examiner
Milwaukee, WI

This discussion will expand upon ideas presented during the AFDE 2005 symposium in San Antonio. It will include the dynamics of curvature, how it impacts an examination and how to measure it.

Security Features of Immigration Documents

John Gorajczyk
Forensic Document Examiner
Phoenix, AZ

A general discussion of security features with emphasis on the Mexican immigration card and driver license.

Natural Tremor v. the Tremor of Forgery

J. Wright Leonard
Forensic Document Examiner
Philadelphia, PA

This workshop will explore the features of natural tremulous handwriting of the elderly. Comparisons will be made to simulated specimens to explore the differences.

Ink Analysis and Dating: The Current State of the Art

(and)

The Use of Microspectrometry in Forensic Document Examination

Dr. Valery Aginsky
Ink Expert
Lansing, MI

PANEL DISCUSSIONS

The Evolution of Handwriting and Signatures: Implications for Case Work

Pat Girouard
Forensic Document Examiner
Toronto, ON

Ethics, Levels of Confidence and the Hired Gun

Nancy McCann
Forensic Document Examiner
Boston, MA

Multispectral Imaging: A New View of Documents

Dr. Gene A. Ware

Multispectral imaging (MSI) involves recording multiple images of the same scene, each at a different wavelength. If each of the multispectral images of a particular scene are stacked, one on top of each other, an image cube is formed. For document examination, MSI would be an extension of the infrared analysis commonly used when comparing inks. The narrow MSI bandwidth improves contrast and depth of focus over that obtained with normal photography and/or video camera imaging. The differences between two MSI images may also be computed. This often reveals detail not visible in the individual images. Spectral classification allows the grouping of pixels with similar spectral reflectance vectors and can distinguish between different inks, allowing for further comparative ink analysis in a non-destructive way.

Currency: True or False?

John Gustav Delly
Scientific Advisor
McCrone Associates

Authentication of Historical Autographs and Writings

Carolyn Myers
Forensic Document Examiner
Garden City, KS

The most difficult part of evaluating historical and celebrity writing is to locate reliable exemplars. Sources for such exemplars will be discussed along with a number of autographs.

New Developments in Paper and their Implications for Forensic Document Examiners

Walter J. Rantanen
Integrated Paper Services
Appleton, WI

To Incorporate or Not to Incorporate

Members will discuss the advantages they find for incorporating their business rather than working as a sole proprietor and filing a Schedule C.

The Use of Digital Cameras for Ultraviolet and Infrared Imaging for Forensic Document Examiners

Richard McEvoy
Forensic Imaging Specialist
Victor, NY

Charla Janney
Forensic Document Examiner
Lakewood, CO

The presenters will discuss and demonstrate proper techniques for using the digital camera for ultraviolet and infrared imaging. They will also discuss camera, lighting, and filter choices.

Problems with Probabilities

Nancy H. Cole
Forensic Document Examiner
Palo Alto, CA

This paper will explore the previous problems with the use of probabilities in handwriting cases and attempt to give some understanding of using probabilities in our case work in the future.

Computer Forensics: Bringing the Forensic Document Examiner into the 21st Century

Introduction to Electronic Signatures: Evaluation of the Topaz Sign/Analyze System

Taking Request Standards with an Electronic Pad: The Importance of Visual Feedback

Claire LaVelle, MA
President, Clear Digital Evidence
Oakland, CA

We are still discussing presentations with several people and will update the program on the website as further information is available. Check www.afde.org

PRE-SYMPOSIUM WORKSHOP

The Fundamentals of Microscopy for Forensic Document Examiners

College of Microscopy
See insert elsewhere

✿ SPECIAL EVENT ✿

The Authentication of the Gospel of Judas Document: A Multidisciplinary Study

The National Geographic Society recently brought to light the *Gospel of Judas*, a third century, newly discovered Gnostic Christian document. In addition to the paleographic and contextual examinations, the authenticity of the document was studied in three ways. In this special forum, the scientists that performed the analysis will present their findings.

Dr. A.J. Timothy Jull, the University of Arizona, NSF-Arizona AMF Facility, will discuss carbon dating of the papyrus substrate and the leather binding.

Dr. Gene A. Ware of Brigham Young University's MSI lab will discuss the use of multispectral imaging of the manuscript.

The McCrone Associates Gospel of Judas Ink Analysis team will discuss the challenges of characterizing the Gospel ink and placing it into historical context. The team members include **Joseph G. Barabe**, light microscopy and project leader, **Dr. Kathleen A. Martin**, infrared and Raman spectroscopic analysis, **Elaine F. Schumacher**, transmission electron microscopy, **Dr. Joseph R. Swider**, scanning electron microscopy and x-ray diffraction, and **Anna S. Teetsov**, specimen preparation.

SYMPOSIUM LOCATION

College of Microscopy
The McCrone Group
850 Pasqueneil Drive
Westmont, Illinois

www.collegeofmicroscopy.com
www.mccrone.com

PROGRAM INFORMATION

www.afde.org

EARLY REGISTRATION (see form)
\$395 USD AFDE Members
\$445 USD Others
Daily lunches included.

After September 20th the rate increases
\$425 USD AFDE Members
\$475 USD Others

The Fundamentals of Microscopy for Forensic Document Examiners

presented by the

College of Microscopy

Tuesday, October 24, 2006

The one-day workshop will include both lecture and numerous laboratory assignments in micrometry, writing sequence determination, print process identification, adapting cameras to microscopes, and more. A make-up laboratory session for those in board meetings Tuesday afternoon will be held on Saturday afternoon, October 28, 2006. All students completing the course will receive a certificate of completion from the College of Microscopy. This course is approved by the International Association for Continuing Education and Training (IACET) for 0.5 continuing education credits. AFDE and BFDE continuing education credit will also be awarded.

The cost of the workshop is \$250 USD and includes lunch.

See course description a www.collegeofmicroscopy.com/courses
Select course COM405 for more details.

Joseph Barabe will serve as principal instructor for this course. He has been contributing to the field of forensic document examination for over 10 years and has presented and published photographic documentation of FDE phenomena. Mr. Barabe also consults in forensic document examination including forged and altered documents; paper, ink, typewriting and toner comparisons; writing sequence determinations; and altered image studies.

This is a rare opportunity for document examiners to take this workshop at a very reduced price. Due to the hands-on use of equipment and practical exercises seating will be limited. Seats will be awarded on a first-registered basis.

Contact Joe Barabe or Carla Brooks for further information, 630-887-7100 or e-mail to courses@collegeofmicroscopy.com

See AFDE Continuing Education Symposium Registration form to register for workshop.