

2011

*Life Liberty and the Pursuit of Science*



*American Society of Questioned  
Document Examiners*

*69th Annual General Meeting*

*Hyatt Regency, Philadelphia at Penn's Landing*

# Welcome to Philadelphia!

We are pleased to welcome you to the 69th Annual General Meeting of the  
**American Society of Questioned Document Examiners.**

Please approach the following people (easily identified by the red bar on their name tags) if you have any questions or concerns. If you are an invited guest, we hope you will consider the many financial and career benefits of becoming an ASQDE member.

## ASQDE Executive Board

President Linton A. Mohammed  
Vice President James A. Green  
Secretary John Paul Osborn  
Treasurer Charlotte W. Ware  
Director Samiah Ibrahim  
Director Jason Lee Miller

Nanette A. Davis, Executive Assistant

## ASQDE Membership Information

Committee Chair Lamar Miller

## Meeting and Site Chairs

**2011 Program Co-Chairs:**  
Lisa Hanson and Todd Welch

**2011 Site Chair:** Dennis Ryan  
Laura Hammond

**Exhibitor Coordinator:** Todd Welch

## “Welcome” Ambassador Committee

F. L. "Jim" Lee, Chair

*Special Thanks..*

Please make a point to visit our Exhibitor Show Sunday and Monday.

**Foster + Freeman** – Meeting Sponsor and sponsor of the President’s Reception and breakfast lecture Monday, August 22, 2011

**ChemImage** - Meeting Sponsor and sponsor of the Welcome Reception and breakfast lecture Sunday, August 21, 2011

**Regula Forensics** - Meeting Supporter and sponsor of the program printing

**Pikaso Software** - Exhibitor  
**Attestor Forensics** - Exhibitor  
**Leica Microsystems, Inc.** - Exhibitor  
**Zarbeco LLC** - Exhibitor

**Attendees are welcome to visit the Hospitality Suite evenings from 7-10 pm.**

# Philadelphia 2011

## ASQDE Meeting Schedule

### Saturday, Aug. 20

Registration..... 3:30 pm - 5:30 pm  
Welcome Reception sponsored by ChemImage..... 6:00 pm - 8:00 pm

### Sunday, Aug. 21

Registration..... 7:00 am - 8:30 am  
Breakfast\* / ChemImage Breakfast lecture / Poster Teasers..... 7:00 am - 8:00 am  
Spouse/Family Breakfast..... 9:00 am - 10:30 am  
Opening Remarks / Exhibitor Introductions (Exhibitor Show All Day)..... 8:00 am - 9:00 am  
Technical Session..... 9:00 am - 12:20 am  
Morning Break..... 10:30 am - 11:00 am  
Lunch..... 12:00 pm - 1:10 pm  
Technical Session/Workshop..... 1:10 pm - 5:00 pm  
Afternoon Break..... 2:45 pm - 3:15 pm

### Monday, Aug. 22

Breakfast\* / Foster & Freeman Breakfast Lecture / Poster Teasers..... 7:00 am - 8:15 am  
Exhibitor Show and Posters All Day..... 7:00 am - 5:00 pm  
Technical Session..... 8:15 am - 12:00 pm  
Morning Break..... 10:00 am - 10:30 am  
Lunch..... 12:00 pm - 1:10 pm  
Technical Session..... 1:10 pm - 5:15 pm  
Afternoon Break..... 3:00 pm - 3:30 pm  
President's Reception sponsored by Foster + Freeman..... 6:00 pm - 9:00 pm

### Tuesday, Aug. 23

**Workshop/Technical Session** ..... 8:00 am - 12:15 am  
Morning Break..... 10:00 am - 10:20 am  
Group Photo..... 12:15 pm - 12:30 pm  
**Guests excused; free to explore Philadelphia**..... 12:30 pm  
ASQDE Members Lunch/Business Meeting..... 12:30 pm - 5:00 pm  
Trainee/Junior Examiner Lunch Break..... 12:30 pm - 1:30 pm  
Trainee/Junior Examiner Breakout Session..... 1:30 pm - 5:00 pm  
Afternoon Break (ASQDE members and trainees only) ..... 3:30 pm - 3:50 pm

### Wednesday, Aug. 24

Technical Session/Workshop..... 8:00 am - 11:50 am  
Morning Break..... 9:50 am - 10:10 am  
Lunch..... 11:50 pm - 1:00 pm  
Workshop/Technical Session..... 1:00 pm - 5:00 pm  
Afternoon Break..... 3:15 pm - 3:35 pm  
Cocktails..... 6:00 pm - 7:00 pm  
Banquet..... 7:00 pm - 10:00 pm

### Thursday, Aug. 25

Workshop/Technical Session..... 8:00 am - 11:50 am  
Morning Break..... 9:40 am - 10:00 am  
Closing Remarks..... 11:50 am - 12:00 pm

\*Breakfast is held daily between 7:00 and 8:00 am

The ASQDE Hospitality Suite is open each evening from 7:00 to 10:00 pm.

# New and trusted technology for document examiners



VSC for all types of  
questioned documents



ESDA for detecting  
indented writing



ECCO for analysis using  
laser induced breakdown  
spectroscopy

*Foster & Freeman* technology may already be familiar to many visitors at this year's Conference with the company producing a wide range of VSC® document examination systems for checking, passports, visas, ID cards, drivers license and printed bank notes to **ESDA®**, the industry standard system for detecting indented writing

This year we will also be demonstrating a relatively new technique to document examination using Laser Induced Breakdown Spectroscopy. Analysis with **ECCO™** is fast, simple, requires minimal sample preparation with immediate results and is highly effective in detecting the trace elements present in inks and papers allowing the examiner to accurately discriminate between samples.

**foster + freeman**

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**Foster & Freeman USA Inc.**  
46030 Manekin Plaza, Suite 170, Sterling, VA 20166, USA

Tel: 888 445 5048

Fax: 888 445 5049

e-mail: [usoffice@fosterfreeman.com](mailto:usoffice@fosterfreeman.com)

## Saturday August 20

- 3:30 - 5:30 PM.....ASQDE Registration  
6:00 - 8:00 PM.....Welcome Reception  
*Sponsored by ChemImage*  
8:00 - 10:00 PM.....ASQDE Hospitality Suite

## Sunday August 21

### **Moderator: Todd Welch**

Exhibitor Show - Posters Displayed All Day

7:00 - 8:30 AM.....ASQDE Registration

9:00 - 10:30 AM.....*Complimentary Spouse/Family Breakfast*

7:00 - 8:00 AM.....Breakfast / Poster Teasers / Breakfast Seminar

7:12 - 7:27AM.....**Breakfast Seminar:** The Use of Hyperspectral Imaging for the Discrimination of Black Ballpoint Inks

*Sara Nedley*, Cara Plese, Derek Hammond

7:27 - 8:00 AM.....Poster Teasers

- Dr. Persifor Frazer, a Forgotten Footnote in Early American Questioned Document Examination History  
*Andrew Barton*
- Simple Signatures  
*Dr. Audrey Giles*
- Ballpoint Pen Striae Revisited: Presence and Significance  
*Charles Haywood*
- The LongPen™ and Cedar-Fox™  
*Diane Kruger*
- Recent Trends of Forgeries in Bank Instruments Circumventing their Security Features - FDEs Can Help!  
*Arun Kumar Gupta*
- Copybook Models in Germany and How They May Show in the Examiner's Casework  
*Marianne Conrad*
- An Examination with Possible Attempted Disguise in the Standards  
*Mark Gardner*
- What Are They Thinking?  
*James Hayes*
- Difficulties in Determining Sequences of Toner and Writing Inks without Cross-lines  
*Juergen Holzpfel*
- Hidden Message: An Indented Writing Case  
*Hillary Hoover*
- Characteristic Study of Suicide Notes Written on the Walls in a Suicide Pact  
*Gulshan Rai*, Harshvardhan, A.K.Gupta

# Advanced Imaging Technology for Questioned Document Examination



## The HSI Examiner Advantage:

- ▶ Rapid data acquisition and analysis
- ▶ Superior ink discrimination capabilities
- ▶ Nondestructive sample analysis
- ▶ Unique software features such as movie-like image playback
- ▶ Reliable, reproducible results

The HSI Examiner™ 100 QD, the first commercially available hyperspectral imaging (HSI) instrument for questioned document examination, combines powerful, easy-to-use software with 2X faster image acquisition than video spectral-based instruments. Its superior sensitivity and ink discrimination capabilities mean that you'll get reliable, reproducible results every time.

The difference? HSI takes conventional imaging methods to the next level by adding a spectroscopic basis for sample analysis, improving visualization of chemical-based contrast.

Visit [Ez.com/asqde2011](http://Ez.com/asqde2011) to learn about HSI's many advantages.



Visit us at **ASQDE 2011**



Tel: 412.241.7335 | [www.chemimage.com](http://www.chemimage.com)

# *Sunday August 21 (continued)*

8:00 - 8:10 AM.....Opening Remarks

8:10 - 9:10 AM.....Exhibitor Introductions

- Sponsor: **Foster + Freeman**
- Sponsor: **ChemImage**
- Supporter: **Regula Forensics, Inc.**
- Exhibitor: **Pikaso Software, Inc.**
- Exhibitor: **Leica**
- Exhibitor: **Attestor Forensics GmbH**
- Exhibitor: **Zarbeco**

9:11 - 11:00 AM .....Raising the Level of Awareness: Ethics Requirements for Forensic Scientists  
*Joseph P. Bono*

10:30 - 11:00 AM.....BREAK

12:00 - 1:10 PM.....LUNCH

**Moderator: Robert Negherbon**

1:10 - 1:25 PM.....National Science and Technology Council Subcommittee on Forensic Sciences and Interagency Working Group on Accreditation and Certification:  
Considerations for Forensic Document Examiners  
*Patricia A. Manzolillo*

1:25 - 1:40 PM.....Determining the Strength of Evidence from New Forensic Features in Inkjet  
Printed Text Documents

*Koen Herlaar*, Jan de Koeijer, Mignonne Fakkkel-Slothouwer, and Henk  
Madhuizen

1:40 - 1:55 PM.....The Forensic Examination of Electronically Captured Signatures  
*William J. Flynn*

1:55 - 2:10 PM.....Scanned Images: How Well Do They Depict the Subtle Features in  
Handwriting?

*Janet F. Masson*

2:10 - 2:25 PM.....PDF Technology in 2011

*Joseph L. Parker*

2:25 - 5:00 PM.....Using Adobe Photoshop in a QD Workflow: Part 1

*George Reis*

2:45 - 3:15 PM.....BREAK

# Monday August 22

## **Moderator: Todd Welch**

Exhibitor Show and Posters Displayed All Day

7:00 - 8:15 AM.....Breakfast / Poster Teasers / Breakfast Seminar

7:26 - 7:41 AM.....An Elemental Approach to Questioned Document Examination  
**Breakfast Seminar**      **F. L. "Jim" Lee**, David Tobin, Owen Lang, Michael Zontini

7:41 - 8:11 AM.....Poster Teasers

- Application of a Positively Charged Electrostatic Indentation Imaging System for Forensic Examination and Consequences to Existing Theoretical Mechanisms  
**Trevor Joyce**
- Fusing Roller Defect  
**Joyce Lauterbach**
- Handwriting Instruction - An Endangered Species  
**Darlene Morin**
- A Study of Toner Printing from Printers of Different Makes and Models  
**Candice Moussa**, Michelle Novotny and Dominique Holt
- Influence of Writing Skill on Memory Simulations  
**Douglas Ridolfi**
- How Now, The Original?  
**Richard Roper**
- A Comparison of Signatures after Spinal Surgery: A Case Study  
**Janis Winchester**
- Some Contemporary Sources of Ultraviolet Radiation for Forensic Document Examination  
**Peter Tytell**
- Discoloration of Writing Inks Due to Chemical Treatment and Environmental Influences  
**Tanja Rottes** and Dorothee Bogedain
- Stone Paper: An Overview of its Characteristics  
**Haley Elliott, Lisa Stadmeier**

## **Moderator: Laura Hammond**

8:15 - 8:30 AM.....Stone Paper: An Overview of its Characteristics and the Impact They May Have on Forensic Document Examinations  
**Haley Elliott, Lisa Stadmeier**

8:30 - 8:45 AM.....Preparing for a Daubert Hearing: A Study Guide for Forensic Document Examiners  
**Courtney King, Lauren Logan**

8:45 - 9:00 AM.....Frequency Occurrence in Handwriting and Hand Printing Characteristics - Overview of Project  
**Thomas W. Vastrick**

9:00 AM - Noon.....Using Adobe Photoshop in a QD Workflow: Part 2  
**George Reis**

10:00 - 10:30 AM .....BREAK



12:00 - 1:10 PM.....LUNCH (12:00 - 1:10 PM)

*Monday August 22 (continued)*

**Moderator: Marie Durina**

1:10 - 4:30 PM.....Reproducibility of Character Classification Features for Frequency Occurrence Research

*Thomas W. Vastrick*

3:00 - 3:30 PM.....BREAK

4:30 - 4:45 PM.....Forensic Document Examiners' Expertise in the Examination of Stylized Signatures

*Derek Hammond*

4:45 - 5:00 PM.....Validity, Reliability and Accuracy in Forensic Signature Identification

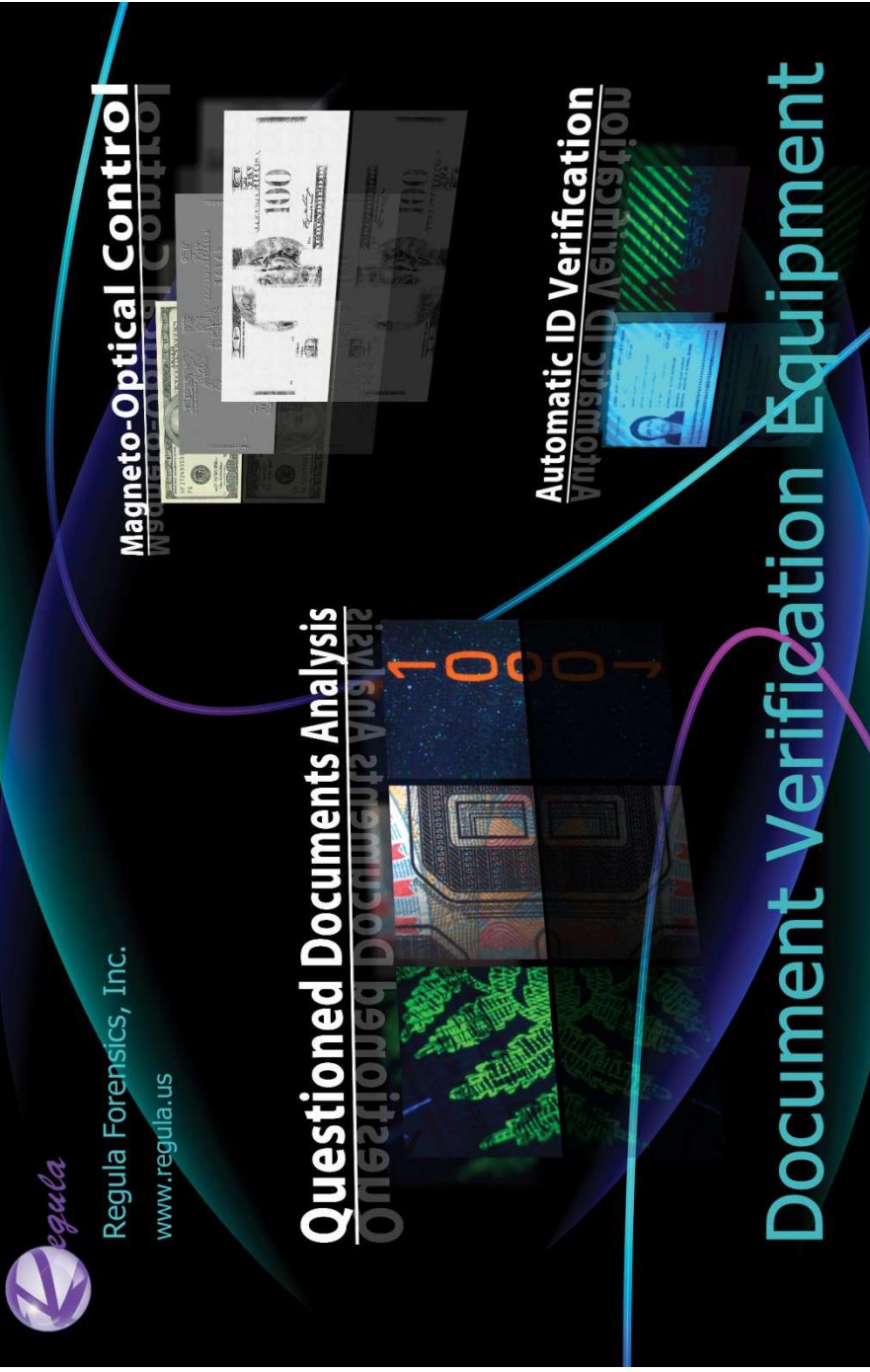

*Dr. Mara Merlino* and *Tierra Freeman*

5:00 - 5:15 PM.....A Tale of Three Law Suits (Beware of Bullies - AKA: Attorneys)

*David Moore*

6:00 - 9:00 PM.....President's Reception

*Sponsored by Foster + Freeman*



**Questioned Documents Analysis**

**Magneto-Optical Control**

**Automatic ID Verification**

**Document Verification Equipment**

Regula Forensics, Inc.  
www.regula.us

*Regula Forensics is the sponsor of this printed program*

# Tuesday August 23

**Moderator: Karen Nobles**

- 7:00 - 8:00 AM.....Breakfast
- 8:00 - 11:15 AM .....Basic Statistical Tools for Forensic Document Examiners  
*Nicholas Petraco*
- 10:00 - 10:20 AM .....BREAK
- 11:15 - 11:30 AM .....Discrimination Techniques for Xerography: A Study of Trash Marks and Potential Software/Statistical Tools for Questioned Document Examiners  
*Nicholas D. K. Petraco* and Jihad S. Grosvenor-Putley
- 11:30 - 11:45 AM .....Understanding Statistical Independence  
*Chris Anderson*
- 11:45 - Noon .....A New Approach for Dating of Ballpoint Ink Entries  
Part I - Experimental Setup  
*Peter Seiler*, B. Anheier, F. Koehler, and D. Kirsch
- Noon - 12:15 PM.....A New Approach for Dating of Ballpoint Ink Entries  
Part II - Fundamentals and Results  
*Dieter Kirsch*, P. Seiler, B. Anheier, and F. Koehler
- 12:15 - 12:30 PM.....Group Photo
- 12:30 PM.....Guests free to explore Philadelphia; program concludes for afternoon
- 12:30 - 5:30 PM .....Trainee lunch break (12:30-1:30), followed by breakout session  
Trainee Breakout Session: **Court Testimony**  
*Dan C. Purdy and Grant Sperry*
- 12:30 - 5:00 PM.....Catered Lunch for ASQDE Members Only followed by  
ASQDE Business Meeting
- 3:30 - 3:50 PM .....Break [ASQDE Members and Trainees only]
- 8:00 PM - 10:00 PM.....ASQDE Hospitality Suite open

# Wednesday August 24

**Moderator: Lisa Stadmeyer**

7:00 - 8:00 AM.....Breakfast

8:00 - 8:15 AM.....What Do We Say We Do? Elements of a Quality System in Questioned Document Examination  
**Martha Blake**

8:15 - 8:30 AM.....A Study on the Stability and the Utility of Satellite Droplets for Classification of Inkjet Printers  
**Ning "Linda" Liu**

8:30 - 8:45 AM.....Accreditation of Handwriting Examination Based on Standard ISO-17020  
**Peter Pfefferli, PhD**

8:45 - 11:50 AM .....Printing Process Identification for Forensic Document Examiners - Part I  
**Scott Walters, Jeffrey Payne**

9:50 - 10:10 AM .....BREAK

11:50 - 1:00 PM.....LUNCH

**Moderator: Haley Elliott**

1:00 - 4:20 PM.....Printing Process Identification for Forensic Document Examiners - Part 2  
**Scott Walters, Jeffrey Payne**

3:15 - 3:35 PM .....BREAK

4:20 - 4:35 PM.....Are the Opinions of Document Examiners Being Accurately Interpreted by Jurors?  
**Melanie Holt** and Clifford Hobden

4:35 - 4:50 PM.....A Re-Evaluation of the 2010 Collaborative Testing Services (CTS) 10-521 Photocopier Proficiency Test with the Aim of Enhanced Casework Performance  
**Jeff Luber**, and Coral Rebado

4:50 - 5:05 PM.....A Survey of Training Needs Related To Forensic Document Evidence Handling Capabilities By Police Officers  
**Brian Carney**

6:00 - 7:00 PM .....Cocktail Hour

7:00 - 10:00 PM.....Banquet

## Thursday August 25

**Moderator: Tim Campbell**

7:00 - 8:00 AM.....Breakfast

8:00 - 11:00 AM .....Managing Human Factors in the Forensic Sciences  
*Scott Shappell, Ph.D.,*

9:40 - 10:00 AM .....BREAK

11:00 - 11:30 AM .....Study Results from Testing Sessions to Study the Effects of Cognitive Biases on  
the Opinions Expressed by FDEs and Layperson Populations  
*Dr. Moshe Kam, and Pramod Abichandani*

11:30 - 11:40 AM .....ABFDE Update  
*Kirsten Singer*

11:40 - 11:50 AM .....ASQDE 2012 AGM: Charleston  
*Jason Lee Miller, Site Chair, and Tobin Tanaka, Program Chair*

11:50 - NOON.....Closing Remarks  
*Linton Mohammed, Dennis Ryan, Lisa Hanson*

**The following papers are included on the meeting DVD,  
but were not presented at the meeting:**

A New Qualification in the Examination of Identity Documents  
*Michael Allen*

An Overview of Radicals in Chinese Characters, Part II  
A Study on the Writing of Radicals of Similar Structures  
*Yau-Sang Patrick Cheng*

Hand-Signed or Reproduced? A Comparison of Hand-Signed, Rubber-Stamped  
and Inkjet-Printed Signatures  
*Chiew Yung Yang, Lee Tiang Lee, Sock Kim Tan, and Bei Sing Yap*

## *Mark Your Calendar!*

The 70th Annual ASQDE Meeting will be held August 18-23, 2012  
Doubletree Guest Suites, Historic Charleston  
Charleston, South Carolina