

NEAFS Newsletter

Volume 35, Issue 2

2010, 2nd Quarter



New in this issue:

- [2010 Annual Meeting Information and Updates](#)
- **Included:** Registration Form (any updates will be posted on the website: www.neafs.org Check Back Often.)
- **NEW:** Today in Forensic Science
- Updated Employment and Training Opportunities

Cover Photos courtesy of Peter Diaczuk of John Jay College: See Page 23 for more information.

President's Message

I hope that this Newsletter finds you well and enjoying the lazy, hazy, crazy days of summer. In between some well-deserved time off, I hope that you have been contemplating your participation in the upcoming Annual Meeting. This year we are trying a joint venture with the New England Division of the International Association for Identification in Manchester, VT at the Equinox Golf Resort & Spa. It promises to provide more opportunities for workshops and presentations along with the ability to collaborate with our fellow crime fighters. Program Chair Peter Diaczuk is busy coordinating all the fine details of the meeting and will be sure to keep everyone updated via the Website and Newsletter. Nonetheless, it's never too early to get your abstracts and poster presentations submitted to our Session Chairs.

Our very own Vincent Desiderio was selected to serve as an advisory member of the Research Development Testing and Evaluation Interagency Working Group under the National Science and Technology Council (NSTC) Subcommittee on Forensic Science. This is not only a high honor for Vince, but also a great recognition for NEAFS in having one of its nominees selected. We'll hear more about the NSTC Subcommittee on Forensic Science during the General Session of the Annual Meeting. Be sure to attend and find out how the Subcommittee plans to respond to the NAS Report.

Recognizing the value in training, NEAFS continues to work toward providing low cost training for its members. Be sure to check out the workshops being held at the Annual Meeting, which are being offered with minimal fees thanks in large part to generous corporate sponsorship. We also hope to continue our partnership with the Forensic Science Training Institute at Cedar Crest College. Accordingly, a grant proposal has been submitted to NIH in an effort to continue the summer workshop series.

We continue to work on our "going green" initiatives. As such, NEAFS has decided to subscribe to GoToMeeting® Web Conferencing. Meeting participants will have access to documents being reviewed via the internet and will be able to communicate with each other using either a microphone or telephone access. Not only will web conferencing be good for our environment by reducing car emissions, it will also be cost effective by cutting down on travel reimbursements. This year Membership went

completely green after obtaining email addresses from each of our nearly 600 members. They also added payment of Membership dues via Paypal at no additional cost to our members. Registration payments this year's Annual Meeting will also be available through Paypal.

Your active participation and contributions to the organization will be what sets NEAFS apart from the other regional forensic science associations. Make a personal commitment to your own professional growth as well as to that of the organization: attend the Annual Meeting, contribute to the Newsletter, and share your knowledge and experiences.

See you in Vermont!

Regards,

Laura Tramontin
NEAFS President





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trace evidence EVALUATION

Perform a wide range of analysis techniques with the ffTA - a system that can switch from one examination mode to another

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PRODUCTS**
PRELIMINARY ANNOUNCEMENT



ffTA-1TM

A new multi-function system from Foster & Freeman that provides a range of analytical facilities on a single microscope. Using an optical multiplexer the operator is able to switch the image from one function to another to perform a range of forensic examinations.

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**Northeastern Association
of
Forensic Scientists**



Join Us at the
2010 NEAFS & NEDIAI
Joint Meeting !!!



November 8 - 12, 2010

EQUINOX

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Manchester, VT

www.equinoxresort.com

***Preparation for the meeting is underway... If
you would like to volunteer to help or have
any questions please contact:***

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NEAFS Program

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NEW ENGLAND DIVISION OF THE IAI / NORTHEASTERN ASSOCIATION OF FORENSIC SCIENTISTS
JOINT CONFERENCE --- November 8 - 12, 2010

I. REGISTRATION INFORMATION (Please print or type all information)

First Name:

Last Name:

Organization/Agency:

Street:

State: Zip Code:

Phone:

Email:

Check one: NEAFS - [] NEDIAI - [] Member Number:

NEAFS members only: ABC Status: Diplomate: [] Fellow: [] Technical Specialist: [] Affiliate: [] Exam Committee: []

Mail your completed form and registration fee to:
NEDIAI members: NEDIAI Registration, PO Box 1043
Concord NH, 03302-1043
NEAFS members: NEAFS Registration, PO Box 8372
Trenton, NJ 08650

Email Questions: registration@neafs.org or
Lisa.Corson@dos.nh.gov or Emily.Rice@dos.nh.gov

City:

Fax:

Spouse name:

See additional page for informational details. To qualify for early registration, a completed registration form and full payment must be postmarked no later than October 7, 2010. After this date, ALL registrations will be considered Regular Registrations.

II. SCIENTIFIC SESSIONS - REGISTRATION FEES

For Student reduced rate registration, a copy of your FALL 2010 course schedule must be submitted, otherwise, you will be charged the full applicable meeting registration rate.

November 10 - 12, 2010 Wednesday - Friday Sessions

Early Registration Postmarked by 10/07/2010 Regular Registration Postmarked after 10/07/10

Table with 2 columns: Registration Type, Early Registration Postmarked by 10/07/2010, Regular Registration Postmarked after 10/07/10. Rows include Member / Active Applicant, Non-Member, Student Member, Student Non-Member, and Spouse of Member / Non-Member.

Table with 4 columns: DAILY REGISTRATION, Wednesday Only, Thursday Only#, Friday Only. Rows include Member / Active Applicant, Non-Member, Student Member, Student Non-Member, and Spouse of Member / Non-Member.

SECTION II TOTAL: \$

Three-day Registration includes one Thursday Luncheon Ticket (Buffet lunch)
Additional fee to attend Luncheon on Thursday

III. WORKSHOP SESSIONS - REGISTRATION FEES

Workshops are filled on a first-come-first-serve basis. Workshops are subject to cancellation. Check www.nediai.org for updates on dates and times

Table with 3 columns: Workshop Title (note: dates and times are tentative), Member, Non-member. Rows list various workshops like Lab Safety, Explosives Analysis, Forensic Body Fluid Identification, etc.

SECTION III TOTAL: \$

IV. LUNCHEON (Thursday): One Ticket is included with three-day registration (except for those who register at the reduced rate as a Student or Spouse).

NOTE: If you have a food allergy, inform the hotel staff directly.

[] Yes I will be attending the luncheon on Thursday
[] No I will not be attending the luncheon on Thursday
ADDITIONAL PURCHASE for Luncheon Buffet Ticket

of Tickets: X \$50.00 = \$

PAYMENT: Check - [] Money Order - [] PAYPAL (Oct.7 Deadline) - []

Check # TOTAL AMOUNT ENCLOSED: (Sum of II, III and IV) \$

HELPFUL TIPS -- REGISTRATION

(www.neafs.org / www.nediai.org)

NEAFS REGISTRATION MAILING ADDRESS: NEAFS Registration, PO Box 8372 Trenton, NJ 08650

NEDIAI REGISTRATION MAILING ADDRESS: NEDIAI Registration, PO Box 1043, Concord NH 03302-1043

WE MAY NEED TO CONTACT YOU, THEREFORE, PRINT LEGIBLY AND INCLUDE AN EMAIL ADDRESS OR TELEPHONE NUMBER.

ANNUAL MEETING / WORKSHOP Registration: For early registration the Registration Chairperson must receive a completed registration form and full payment no later than October 7, 2010. After this date, ALL registrations will be regular registrations. Registration is not accepted via email or fax, *unless* Paypal or PO (NEDIAI members only) is utilized as form of payment. You will not receive confirmation of your registration status.

If using PayPal, PAYMENT and COMPLETED Registration FORM

MUST BE SENT to the following email addresses:

NEAFS members: registration@neafs.org

NEDIAI members: Lisa.Corson@dos.nh.gov or Emily.Rice@dos.nh.gov

WORKSHOPS: Workshop attendance requires an additional fee. Workshop(s) are not included with Annual Meeting registration. Workshop space is filled on a first-come-first-serve basis. The Program Chair reserves the right to cancel any workshop if timely registrations are not received for the minimum number of participants. If a workshop is cancelled, notification and full refunds will be made. You may not register for more than one workshop if the workshops are held during the same time frame.

NEAFS MEMBERS PAYMENT INFORMATION (in U.S. dollars):

NEAFS tax ID # 51-0213291

Purchase Orders or Vouchers are **NOT** accepted unless accompanied by full payment. Accepted forms of payment, during early registration only, are either via Paypal, check or money order. Payment via Paypal may be made on the NEAFS website up until October 7th, 2010 (<http://www.neafs.org/annualmeeting/annmeeting.htm>)

NEDIAI MEMBERS PAYMENT INFORMATION (in U.S. dollars):

NEDIAI tax ID# 043185494

Accepted forms of payment during early registration only are either via PayPal, check, PO or money order. Payment via Paypal may be made on the NEDIAI website up until October 7th, 2010 (www.nediai.org)

CANCELLATION / REFUNDS: If you cancel your workshop or meeting registration your written, signed and dated request must be mailed to either the NEAFS Registration Chairperson or the NEDIAI secretary at the above respective mailing addresses. If you cancel, your registration fees will be refunded, as follows: postmarked no later than October 26, 2010, full refund, less \$ 20 processing fee; postmarked between October 27th – November 2nd 2010, 75% refund; postmarked between November 3rd-November 6th, 2010, 50% refund. No refund request honored if postmarked after November 6th, 2010.

SPOUSE: Reduced rate registration is available to a spouse (lay person) only with a fully paid registered attendee. The reduced rate (spousal) registration permits attendance during scientific sessions, all breaks and receptions.

LUNCHEON: Tickets for attendance at the Thursday Luncheon are included with Three-Day REGISTRATION ONLY. Additional tickets must be purchased separately. Please indicate if you will or will not be attending. If attending the Luncheon, your registration packet will include a luncheon ticket that must be presented to the Officials at the door for entry to the Luncheon. If you have a food allergy, inform the hotel staff directly.

OTHER INFORMATION: All fees are the responsibility of the registrant. Registrations are non-transferable.



If you have a concern or question please email either the NEAFS Registration Chairperson at registration@neafs.org or the NEDIAI secretary or treasurer at Lisa.Corson@dos.nh.gov or Emily.rice@dos.nh.gov



NEAFS 36th Annual Meeting

November 8th – 12th, 2010

CALL FOR PAPERS – ABSTRACT FORM

DEADLINE: October 1, 2010

Title:

Presenting Author:

Affiliation:

Phone Number:

Email:

Co-Authors and Affiliation:

Has this same material been presented at NEAFS by a co-author or in another Session? _____

Scientific Session: ☐ Biology ☐ Criminalistics ☐ Drug Chemistry
☐ Toxicology ☐ Interesting Case Session ☐ Poster ☐ Education Forum

Audio-Visual equipment needed:

☐ PowerPoint ☐ Slide Projector ☐ VHS Video Player and Monitor ☐ Overhead Projector

Time needed for presentation: ☐ 10 min ☐ 20 min ☐ 30 min

Please specify the version of PowerPoint used:

Instructions: complete this form and email to the Program Chair and appropriate Session Chair. You will be notified prior to the deadline whether your abstract is approved as is, approved with suggested modifications, or rejected. It is recommended that abstracts be from 150 to 250 words and must accurately reflect the content of the presentation.

All presenters need to complete and submit the Registration Form.

ABSTRACT



**Northeastern Association
of
Forensic Scientists**

THE 2010 NEAFS & NEDIAI JOINT MEETING NOVEMBER 8TH - NOVEMBER 12TH, 2010

EQUINOX GOLF RESORT AND SPA
MANCHESTER, VT
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Toxicology Session

Andrea Belec

albneafs@gmail.com

Drugs Session

Steph Brumley

seb2@westchestergov.com

Biology Session

Amanda Battaglia

Amanda.battaglia@gmail.com

Interesting Case Session

Loretta Kuo

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Poster Session

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Educators Forum

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Collegiate Competition

Adam Hall

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Student Forum

Chris Chany

George Chin

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Workshops

Kimberly Gorel

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THE 2010 NEAFS & NEDIAI JOINT MEETING

NOVEMBER 8TH - NOVEMBER 12TH, 2010

EQUINOX GOLF RESORT AND SPA
MANCHESTER, VT
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Preliminary Workshop Schedule

Monday - November 8th

Registration Desk open 7:00 AM – 9:00 AM and 12:00 – 2:00 PM

Basic Explosives Analysis – 2 Days, 8:30 AM – 4:30 PM
Ron Kelly

Safety in the Laboratory – Full Day, Monday only, 8:00 AM – 5:00 PM
Laboratory Safety Institute

Ethics in Forensic Science – Half-day, Monday only, 1:00 PM – 5:00 PM
Chris Montagna

Tuesday - November 9th

Registration Desk open 7:00 AM – 9:00 AM and 12:00 – 2:00 PM

Basic Explosives Analysis – Continued – 8:30 AM – 4:30 PM
Ron Kelly

Perkin Elmer - Two half day workshops (1) 8:30 AM – 12:00 and (2) 1:00 PM – 4:30
(1) “Automation of Multiple Forensic DNA Applications Using an Open Platform”
(2) “Automation and Troubleshooting of Forensic Toxicology Applications”

Agilent – Two half day workshops (1) 8:30 AM – 12:00 and (2) 1:00 PM – 4:30
(1) “LC Best Practices and Troubleshooting”,
(2) “GC and GC/MS Best Practices and Troubleshooting”

Educators Forum 8:00 AM – 4:00 PM Beth Saucier Goodspeed

Exhibitor set-up 6:00 – 8:00 PM Erica Blais

NEAFS Board of Director’s meeting 6:00 – 8:00 PM

THE 2010 NEAFS & NEDIAI JOINT MEETING

NOVEMBER 8TH - NOVEMBER 12TH, 2010

EQUINOX GOLF RESORT AND SPA
MANCHESTER, VT
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Preliminary Meeting Schedule

Wednesday - November 10th

7:00 AM - 10:00 AM	Registration Desk open
1:00 PM – 3:00 PM	
7:00 AM – 8:00 AM	Continental breakfast
10:00 AM – 7:00 PM	Exhibitors
9:00 AM– 10:00 AM	Opening Ceremony - NEDIAI and NEAFS
8:00 AM – 12:00 PM	ABC Exam
10:00 AM – 1:00 PM	Drugs Session
2:00 PM – 5:00 PM	Toxicology Session
10:00 AM – 5:00 PM	Biology Session
1:00 PM – 5:00 PM	Students Forum
5:00 PM – 7:00 PM	Joint NEDIAI and NEAFS Welcome Reception
5:00 PM – 7:00 PM	Poster Session (during Welcome Reception)
8:00 PM – 11:00 PM	Interesting Case Session

Thursday - November 11th

7:00 AM - 10:00 AM	Registration Desk open
1:00 PM – 3:00 PM	
7:30 AM – 8:30 AM	Continental breakfast
10:00 AM – 5:00 PM	Exhibitors (Exhibits break down 5-8PM)
8:30 AM - 12:00 PM	“The Forensic Scientist’s response to the NAS Report”
Joint General Session	- speakers to be announced
12:00 PM – 2:00 PM	Joint luncheon
2:00 PM – 5:00 PM	“The Criminalistics Laboratory as a Testing Facility”
Joint Plenary Session	Panel discussion led by Dr. Peter De Forest
5:00 PM – 7:00 PM	NEAFS Business Meeting
8:00 PM – Midnight	President’s Reception

Friday - November 12th

8:00 AM – 10:00 AM	Registration Desk open
9:00 AM – 5:00 PM	Criminalistics Session
10:00 AM – Noon	Light Sources <i>workshop</i> - Spectronics



2010 NEDIAI-NEAFS Joint Conference **Manchester, VT**

***Tentative* NEDIAI Schedule**

Tuesday November 9th

IAI Certification Testing 8AM-5PM

Workshop: Recovery of Skeletal Remains 8AM-5PM

Workshop: Preservation & Collection of Footwear & Tire Impressions 8-12PM

Workshop: Taking Known Tire Impressions 1-5PM

AFIS Committee Meeting 6-8PM

Wednesday November 10th

Opening Ceremony 9AM

Technical Sessions 10:00AM-5 PM

Workshop: Toolmark Recovery 10:00AM-12PM

Workshop: Basics of Footwear & Tire Track Documentation and Recovery 1:30-5PM

Welcome Reception and Poster Session 5-7PM

Interesting Case Session 8-11PM

Thursday November 11th

Technical Sessions 8AM-5PM

Joint General Session – “The Forensic Scientist’s response to the NAS Report” 9AM-12PM

Luncheon 12-2PM

Joint Plenary Session – “The Criminalistics Laboratory as a Testing Facility” 2-5PM

Workshop: Advanced Tire Track Comparisons 2-5PM

Breakout Session: Crime Scene Mapping and Modeling 2-5PM

NEDIAI Business Meeting 5-7PM

President’s Reception 8PM-12AM

Friday November 12th

Technical Sessions 8AM-5PM

Crime Scene Track 8AM-5PM

Breakout Session: Ethics 8AM-12PM

Workshop: Latent Impressions “Of Value” Determination 1:30-4:30PM



Workshop Abstracts

(Modified on July 22, 2010)

Automation of Multiple Forensic DNA Applications Using an Open Platform

The number of samples and sample types being processed through DNA Forensic Labs in both Casework and Data banking Environments are increasing each year. Each sample processed goes through many tedious applications prior to the end read-out result. These processes include applications such as DNA extractions, real time quantification, normalization and PCR set up. High Precision, Tracking of samples and Eliminated contamination are all key factors for maintaining data integrity of these samples.

In this half-day workshop you will learn how PerkinElmer's Automated Solutions can be used for a variety of applications such as DNA extractions, Real-Time quantification (qPCR), Normalization and PCR set up in both Casework and Data banking. We will discuss how our open platforms can perform multiple applications and are not limited to any chemistry types for these applications. The ability of these automated solutions to handle a wide range of sample volumes, thus being able accommodate applications ranging from DNA extraction to QPCR set up with the same accuracy, will also be demonstrated. We will also discuss how our automated solutions can increase productivity and Enhance data integrity and traceability by sample tracking.

Automation and Troubleshooting of Forensic Toxicology Applications

Increasing workloads, labor-intensive assay setup and multi-technician laboratories can create challenges for today's forensic laboratories. Drugs of abuse testing applications including enzyme-linked immunosorbent assays (ELISAs), solid phase extraction (SPE) and liquid-liquid extraction (LLE), all require tedious setup that can lead to assay variability.

In this half-day workshop, you will learn how PerkinElmer's Automated Solutions for ELISA, SPE and LLE can streamline and improve your sample processing. We will discuss Alternative ELISA chemistries, including a new 'no-wash ELISA,' that will yield more sensitive and faster results. You will also learn about SPE and LLE assay optimization and troubleshooting for superior performance.





Workshop Abstracts

AGILENT – TWO HALF DAY WORKSHOPS ON TUESDAY

LC BEST PRACTICES AND TROUBLESHOOTING

Whether as a standalone system or a front-end to an MS system, operation of your LC system is essential to the quality of your data. LC separation best practices and techniques as well as column selection, method transfer and troubleshooting will be discussed.

GC AND GC/MS BEST PRACTICES AND TROUBLESHOOTING

GC and GC/MS are the essential techniques in forensic labs. GC and MS best practices, tips for maximizing uptime and sample throughput and troubleshooting will be reviewed. The GC-QQQ and where it fits in the forensic laboratory will be discussed.

LABORATORY SAFETY INSTITUTE – FULL DAY ON MONDAY

SAFETY IN THE LABORATORY

James A. Kaufman, Ph.D. Laboratory Safety Institute

This one-day seminar will discuss the fundamentals of lab safety and how to create more effective lab safety programs. Among the topics are: introduction to lab safety programs, three Cs of safety, scope of the problem, accidents, legal aspects, planning for emergencies, chemical handling and storage, biological and animal hazards, eye and face protection, disposal of chemicals, electrical safety, planning your safety program and safety information resources. There will be time for a question and answer session as well as an informal roundtable discussion. For more information call 508-647-1900 or email severin@LabSafetyInstitute.org.





Workshop Abstracts

Ethics in Forensic Science Workshop

Contact/Instructor: Christopher Montagna, MS, MPA - Christopher Montagna & Associates

(207) 445-13179 or e-mail: chris@cmaforensics.com

Justice can only be served by involving highly trained and motivated scientists dedicated to providing an ethical approach to the analysis and interpretation of physical evidence. The recent National Academies of Science report on Strengthening Forensic Science in the United States: A Path Forward states that, “code of ethics should be in place across all forensic organizations to which all forensic practitioners and laboratories should adhere.” This workshop is designed to educate the participant in the ethical role of the forensic scientist.

The goals of this workshop are to make the participant aware of ethical issues and what mechanisms must be developed for addressing ethical concerns based upon scientific principles. What protocols must be in place on how management and co-workers respond to ethical issues. This workshop will also inform the participant on how an ethical approach to their role as an expert witness will allow the scientists to see their role as not part of an adversarial relationship, but rather to focus on being unbiased fact witnesses.

This block of instruction addresses:

- I. What Is Ethics
- II. Ethical Issues In Forensic Science
- III. Ethical Dilemmas
- IV. Scientific Codes of Conduct
 - Definitions
 - Mistakes
 - Data Integrity
- V. Laboratory Responsibilities
 - Zero Tolerance
 - Key Elements of an Ethics Policy
 - Reporting Unethical Behavior





Workshop Abstracts

Basic Explosives Analysis

Two-day workshop, all day Monday and Tuesday
Ron Kelly, Federal Bureau of Investigation

This two day workshop is designed to introduce the forensic chemist to the basic concepts of the forensic identification of explosives. A series of presentations will acquaint the attendees with the basic chemistry of explosives and review analytical techniques used in the identification of common explosive materials. Specific topics will include types of explosives, instrumental techniques, analytical schemes, propellant analysis, improvised explosives, field detection of explosives, and case studies of bombings.

Outline of Workshop

1. The Chemistry of Explosives
 - a. Classification of explosives
 - b. High and low explosives
 - c. Primary & secondary high explosives
 - d. Common explosives
2. Explosives Analysis Scheme
 - a. Multi-step analytical scheme for explosives
3. Instrumental Techniques
 - a. Instrumentation used in explosives analysis
 - b. Organic explosives analysis
 - c. Inorganic explosives analysis
 - d. Bulk vs. trace residue analysis
4. Field Detection of Explosives
 - a. Current field technologies in field detection
 - b. IMS, Raman, FTIR
 - c. Color spot tests
5. Propellant Analysis
 - a. Types of propellants
 - b. Smokeless Powders
 - c. Fireworks and low explosives
 - d. Analysis techniques
 - e. Database and Identification
6. Improvised Explosives
 - a. History of improvised explosives (IE)
 - b. Common types of IE
 - c. Production and precursors of IE
7. Case Studies of Bombings





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- Timed UV light and advanced safety features
- Compact bench-top design



Swab Dryer

- Provides operator and swab protection
- Dries and stores swabs in a controlled environment
- Protection from airborne hazards & bacterial pathogens
- Protection of swabs from cross contamination
- Compact design



Forensic Evidence Drying Cabinet

- The activated carbon & HEPA filters ensure a safe working environment for personnel and protection of evidence from cross-contamination
- Many sizes available
- Easy to install



Biological Safety Cabinet

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Northeastern Association
of
Forensic Scientists

NEAFS ANNUAL MEETING: NOVEMBER 8-12, 2010

**EQUINOX RESORT AND SPA
MANCHESTER, VT**

www.equinoxresort.com



EDUCATOR'S FORUM: Tues. November 9, 2010
8:00 AM – 4:00 PM

We are looking for volunteers to serve on discussion panels for this year's Educator's Forum!! You may also conduct a presentation.

POTENTIAL TOPICS:

- Is Forensic Science education meeting the goals of the forensic science community?
- How can research at the College level help Crime Laboratories?
- Are internships at Crime Laboratories meeting the needs of the student and the University objectives?
- Other topics TBD



Please register for the Forum through the NEAFS website:
www.neafs.org You may also attend the Forum but not be on a panel.

Please contact Beth Goodspeed to reserve your spot on the panel (You must register for the Forum to be included on the panel):

Beth Saucier Goodspeed, Education Committee Chairperson
MA State Police Forensic and Technology Center
124 Acton Street
Maynard, MA, 01754
Fax: 978-451-3401 Email: beth.saucier@pol.state.ma.us
Call 978-451-3504 with any questions!!



Northeastern Association of Forensic Scientists

2010 Peter R. De Forest Forensic Science Student Research Award

Abstract Form

Eligibility requirements: Students enrolled in accredited colleges and universities who are not simultaneously employed in a Forensic Science laboratory; and who are in their Junior or Senior year at the time of the application; or are graduate students at the time of application. ***Abstract deadline: October 1st, 2010. Abstracts must be received by October 1st, 2010. Late abstracts will not be accepted.***

Name of Project:

Student's
Name _____

Student's Status
(Undergrad Jr=**UJ**; Undergrad Sr=**US**; Graduate=**Gr**)

Professor's Name _____

Signature _____

Title _____

College/Institution _____

Address _____

Phone Number _____ E-mail Address _____

Please attach your type written abstract to this form.

Mail To:

Adam B. Hall, M.S. D-ABC
Boston University School of Medicine
Program in Biomedical Forensic Sciences
72 East Concord Street, L1004
Boston, MA 02118
Ph: (617) 872-9070
adamhall@bu.edu



Today in Forensic Science

From the Cover (continued) –

The two high-speed still photographs show a 22 caliber bullet as it first perforates a piece of ½" gypsum wallboard (sheetrock). The bullet is entering from the left at about a 15-degree angle off normal to the surface plane of the wallboard. The second frame, taken 1/300th of a second later, shows how the gypsum powder spalls out from the exit hole on the right, but as the bullet continues on its path at about 15 degrees off of normal, the spalled gypsum is being propelled almost perpendicular to the exit surface. This phenomenon, also present when a bullet perforates glass, is important during shooting scene reconstructions, especially if pseudo stippling is present on a victim.



Photo: 38 Special at the moment of discharge to another piece of 1/2" gypsum wallboard, in this instance orthogonal to the surface.



Today in Forensic Science

The third annual **World Science Festival (WSF)** took place in New York City on Sunday June 6th, 2010. John Jay College once again contributed to the success of the Washington Square Park event by setting up several interactive displays for the attendees to learn and experience some forensic science for themselves. A rough estimate suggests that hundreds of people visited this year's display, a steady increase over the prior two years. Overall, four large tents were provided by the WSF planners, dedicated to John Jay College personnel. Faculty and student volunteers provided the expertise to teach and entertain those who wanted to experience forensic science first-hand. Activities included a mock crime scene, bloodstain patterns, fingerprinting and firearm evidence analysis.

Every tent had on-lookers and participants alike stacked several deep to get a closer look at all of the activities going on. Many asked specific questions about John Jay College forensic science degree programs and evening / summer programs. Pictured are just four examples of the many interactions between the volunteers and the attendees. Not even the late afternoon rains prevented the real science fans from having a good time.





Today in Forensic Science

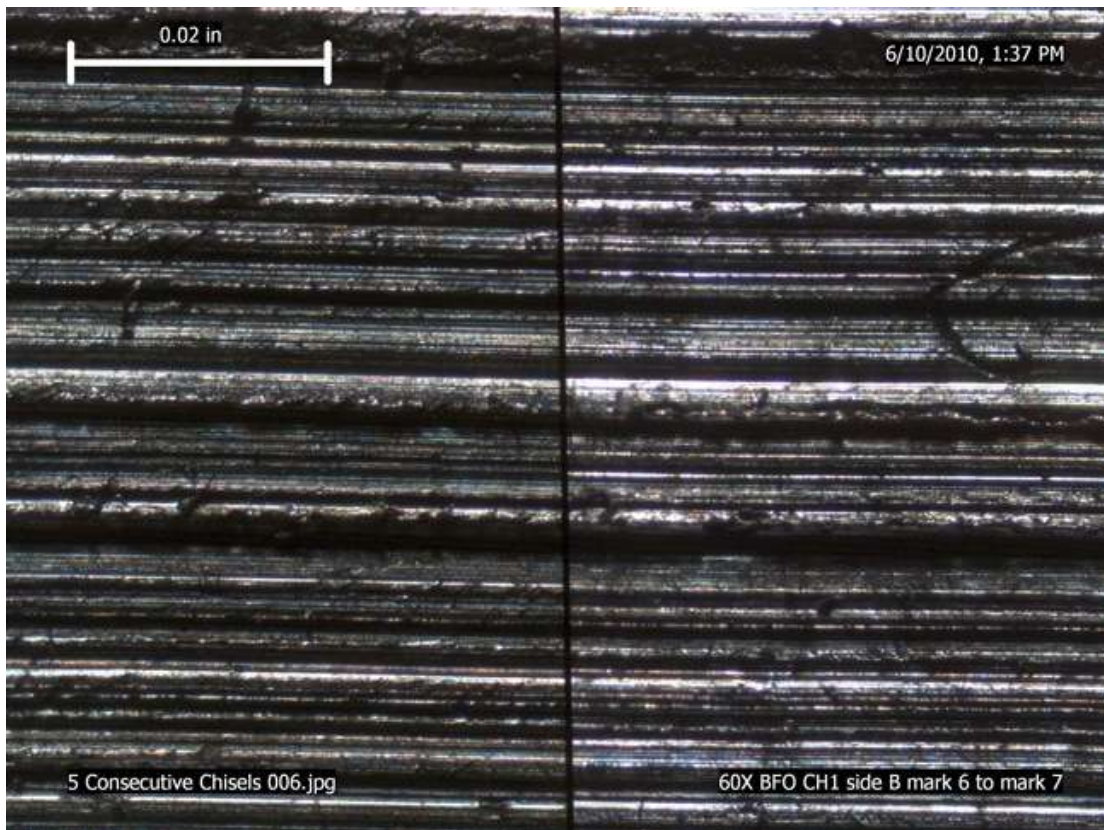
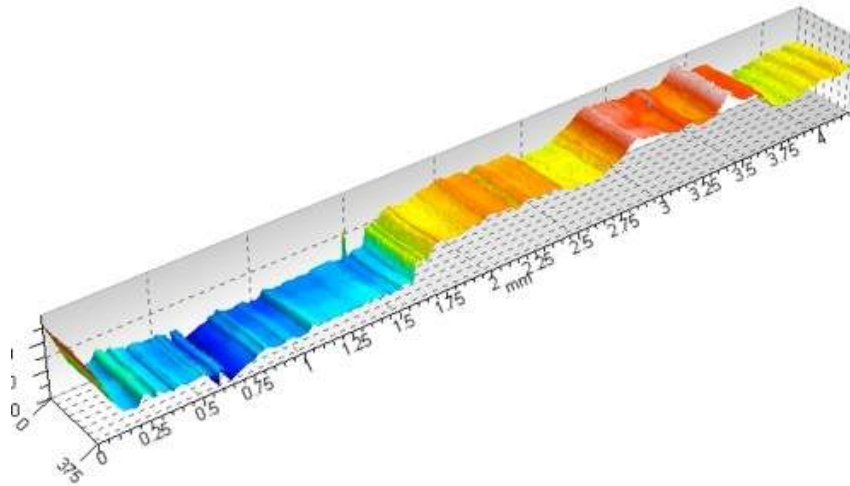
3D confocal imaging

Work is continuing in earnest on Dr. Nicholas Petraco's NIJ funded tool mark research project (Co-Investigators / NEAFS members are Mr. Peter Diaczuk, Mr. Nicholas Petraco, Dr. Peter De Forest and Dr. Thomas Kubic). Analyses are being conducted on cartridge cases, shotgun shells, chisels, screwdrivers and drill bits by a cadre of students, both graduate and undergraduate. The researchers are using the Zeiss Axio CSM 700 to collect three-dimensional topographic data while the Leica M205 stereomicroscope is being used to observe and document the samples with conventional optics. It is expected that preliminary results will be presented during the Criminalistics Session of the NEAFS 2010 Annual Meeting. Current criticisms of comparison microscopy and pattern recognition will be discussed along with how statistics can be applied to address those criticisms.





Today in Forensic Science



Photos of the Leica, 2D and 3D of chisel topography (courtesy of Loretta Kuo), comparison microscopy of chisel marks (courtesy of Gerard Petillo).



Today in Forensic Science

Cedar Crest College is hosting several NIJ funded forensic science workshops again this summer. Successfully delivered at the time of this writing (for 2010) were the Gunshot Residue (Instructors: Vincent Desiderio, Michelle Miranda and Peter Diaczuk), Multivariate Statistics (Instructor: Dr. Nicholas Petraco) and the Trace Evidence (Instructors: Ted Schwartz and Vincent Desiderio) workshops. Pictured is a photograph used during one of Diaczuk's lectures on "Mechanism's of Deposition" during the GSR workshop. It depicts a test target a moment after the trigger was pulled, before the arrival of the bullet but just subsequent to the impact of several gunpowder particles that have overtaken the bullet (the tiny "craters" visible on the surface as depressions).

The other photographs are of some of the bullets supplied by Diaczuk to the Trace Evidence workshop for use in a laboratory exercise to characterize several forms of trace evidence that can be transferred to bullets after impact, such as glass, sheetrock, wood, brick and concrete.



Photo: The dark blur in the center is a 38 special bullet racing toward the fabric. The indentations in the fabric are impact sites of gunpowder particles that have already reached the fabric.



Today in Forensic Science

What you may have missed from NIST (if you weren't at John Jay on July 7th).

Dr. Theodore Vorburger (center in photograph) from the National Institute of Standards and Technology (NIST) in Gaithersburg, MD was a guest speaker at John Jay College on July 7th. His talk was entitled "Topography Measurements and Physical Standards for Inspection of Cartridge Cases and Bullets" and it covered several aspects of current research being conducted at NIST for the Firearm and Tool Mark discipline. After designing and fabricating the "Standard Bullet" and "Standard Cartridge Case" for use with modern 3D measuring microscopes, scientists at NIST compared results from confocal microscopy, phase shifting Interferometry, and coherence scanning interferometry with the stylus method. Those in the audience during Dr Vorburger's talk, familiar with such instruments, were not surprised to learn that for some types of surfaces and measurement conditions results from different instruments can closely agree whereas for other conditions, significant biases can occur. The use of measurement standards with known roughness height values can clarify when the methods are accurate and when profile distortions and biases are occurring. Research on dimensional metrology for both bullets and cases is ongoing at NIST according to Dr Vorburger.

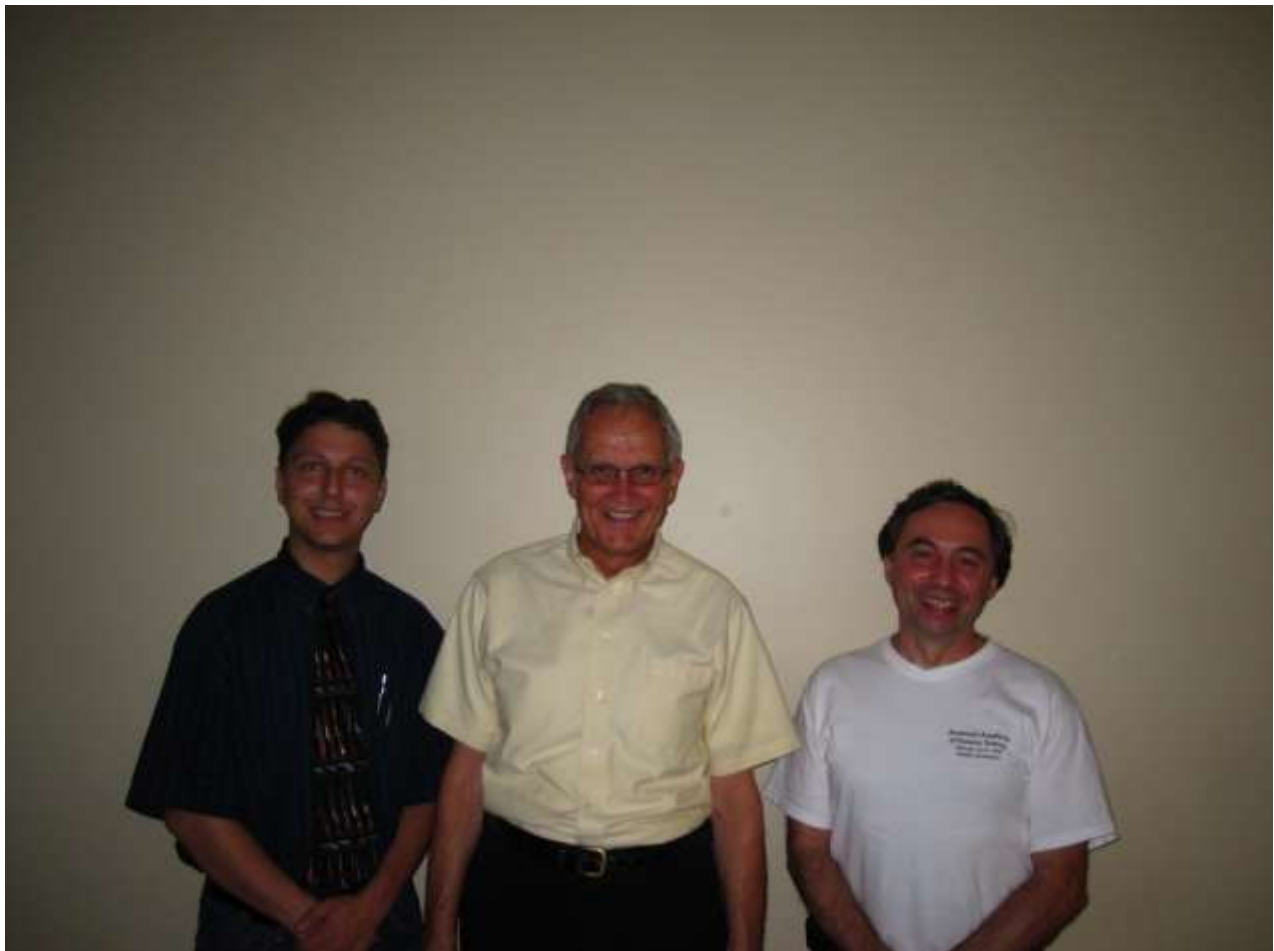
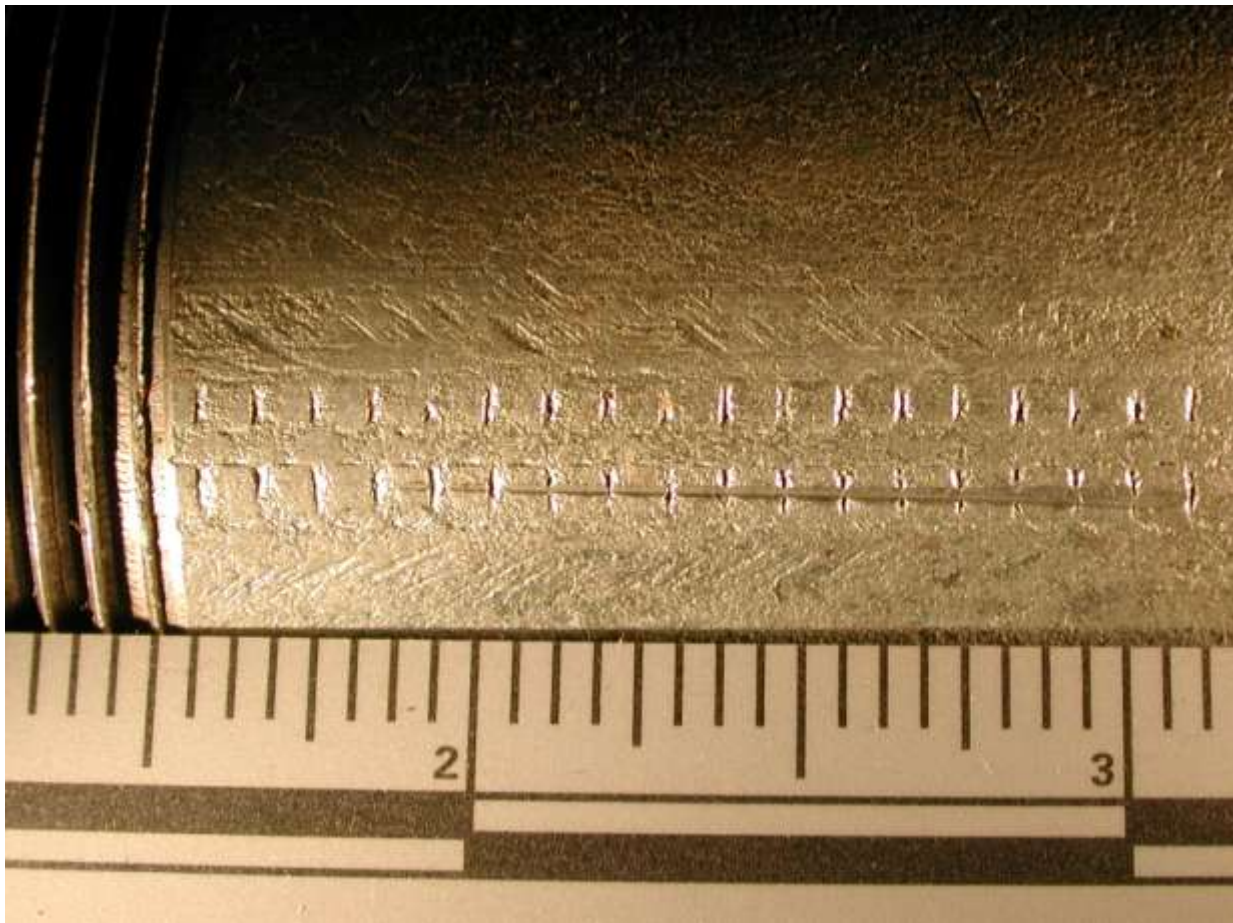


Photo of Dr. Petraco, Dr. Vorburger, Peter Diaczuk



Today in Forensic Science

The first **Impression and Pattern Evidence Symposium** is right around the corner. Florida will host the weeklong NIJ sponsored event that will promote collaboration between practitioners and researchers with workshops, posters and presentations. Workshops include two on pattern evidence, one for non-practitioners and one for practitioners. Instructors in the non-practitioner workshop include Diana Harrison (questioned documents), Lauren Cooney (latent fingerprints) and Peter Diaczuk (firearms and tool marks).



(Continued next page)



Today in Forensic Science

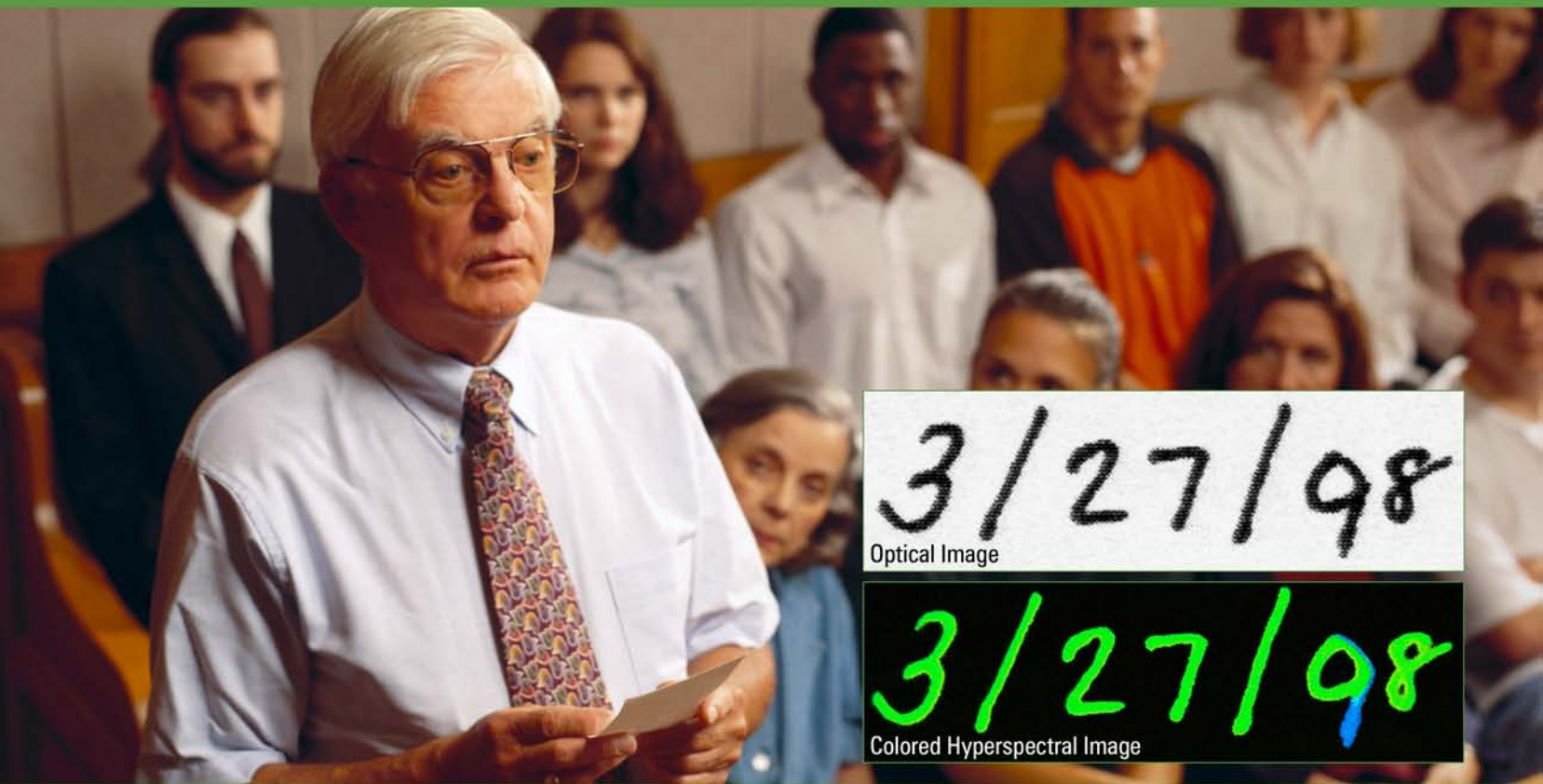


Photos (above) from Diaczuk's PowerPoint presentation: close up of manufacturing marks from a mass-produced pipe nipple and jaws of a portable pipe-threader.

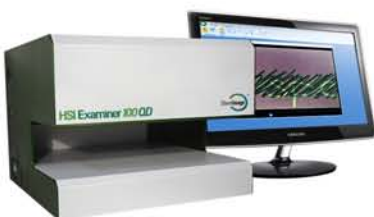
The practitioner workshop, to be moderated by Dr. Nicholas Petraco (multivariate statistical analysis of striated tool marks), will be instructed by Carl Rone, who will concentrate on two important considerations of firearm examination: (1) understanding the origin of subclass characteristics and (2) whether different brands of ammunition fired from the same firearm produce a significant level of variation in imparted physical characteristics.

Leeds Precision Instruments will be supplying a comparison microscope specifically set up for tool marks for instructor demonstrations and hands-on use by workshop attendees.

You'll See the Difference and So Will They



HSI Examiner 100 QD™



CONDOR™



ChemImage hyperspectral imaging systems provide fast evidence analysis with easy to interpret results for questioned documents, latent fingerprints and bloodstain pattern visualization.

ChemImage's hyperspectral imaging instrumentation provides superior discrimination, contrast enhancement and visualization capabilities in comparison to other types of imaging. This type of analysis has been used in the courtroom and determined to be accurate, reliable, and validated, providing results that are easy to understand for the layperson. Hyperspectral imaging is also nondestructive allowing for additional testing, if necessary.

For more information on how hyperspectral imaging can be used in your casework, contact us at info@chemimage.com or call 1-877-241-3550.



Learn more at: www.ChemImage.com/Forensics



Training Opportunities

September 2010

American Society of Crime Laboratory Directors Annual Symposium 2010

<http://www.asclld.org/content/2010-symposium>

**Association of Forensic Quality Assurance Managers (AFQAM) Annual Meeting
September 7-10, 2010
New Orleans Riverside Hilton New Orleans, LA**

Contact: Zoë M. Smith E-mail: z6849s@yahoo.com

Website: <http://www.afqam.org>

**The Fall Class of the Bloodstain Evidence Institute
Corning, New York
September 20-24, 2010**

For information on this educational program contact: Dr. Herbert Leon MacDonell, Director, BLOODSTAIN EVIDENCE INSTITUTE, Post Office Box 1111, Corning, New York 14830; (607) 962-6581;
forensiclab@stny.rr.com

**Northwest Association of Forensic Scientists (NWAFS) Annual Meeting
September 27 - October 1, 2010
Portland, OR**

Contact/More Information: Celeste Grover; 971-673-8245; celeste.grover@state.or.us;
<http://nwafs.org/meetings.htm>



**Northeastern Association
of
Forensic Scientists**

October 2010

**Midwestern Association of Forensic Scientists Annual Meeting
Kansas City, Missouri – Marriott Kansas City Downtown
October 4-8, 2010**

Watch www.mafs.net for more information!

**21st International Symposium on Human Identification
San Antonio, Texas
October 11-14, 2010**

Plan to attend the 21st International Symposium on Human Identification, October 11-14, 2010, San Antonio, Texas. This year's meeting will feature a keynote address by Ann Rule, author of more than 30 true crime novels, a talk by Carsten Pusch about DNA testing of King Tutankhamun and the royal family and a panel discussion on issues related to familial searching.

Workshops will include: Forensic Statistics, Use of Low Copy Number Testing, Familial Searching, Working with Difficult Samples and Mixture Interpretation (sponsored by NIJ)

Find out more and register online at: www.ishi21.com

If you have training in the field of forensic science and would like to have it posted on the NEAFS web site, contact the NEAFS webmasters: jobs@neafs.org

Posting Instructions

Please include the following in your submission: course title, location, dates and times, a short description and a direct link to the course posting. Submitted postings must be 50 words or less, we will not be responsible for editing course postings, please use postings on this page as a guide to formatting.



New York Microscopical Society

Bernard Friedman Memorial Workshops

Use of the Microscope & Polarized Light Microscopy

September 18, 25, October 2, 8, 16, 22, 28, 2010

A basic course on light microscopy which will cover the following topics:

Theory of microscopy, Kohler Illumination
Diffraction Theory, Contrast Methods
Polarized light, Phase Contrast, Interference
Hoffman contrast, Rheinberg, Dark-field & oblique Illumination

An advanced course on polarized light microscopy which will cover the following topics:

The nature of polarized light
The origin and interpretation of interference colors
Birefringence and crystal orientation, The Indicatrix
Compensation and variable compensators
Interference figures and their interpretation

The workshop will consist of seven consecutive Saturdays of lectures and hands on labs to cover the theoretical and practical aspects of microscopy. The course instructors are *Jan Hinsch* formerly of Leica Microsystems, Inc., *Dennis O'Leary* of Micro-Optical Methods, *Mary McCann* of *McCann Imaging*, *John Reffner* of John Jay College and N.Y.M.S. Instructor *Don O'Leary*.

WHEN: September 18, 25, October 2, 8, 16, 22, 28, 2010

WHERE: One Prospect Village Plaza, Clifton, NJ 07013, accessible by public transportation. Information on car pools and transportation will be provided.)

COST: \$695 for NYMS members, \$725 for non-members (includes membership) Lunch and course materials are included. Checks made out to NYMS.

HOW: Register using form below. Limited to the first 12 registrants.

FURTHER INFORMATION: Call D. O'Leary (201) 368 -8849
E-mail: dkoleary@verizon.net Fax (425) 988-1415

[PLEASE MAIL THIS APPLICATION WITH YOUR PAYMENT](#)

Registration Form Use of the Microscope & Polarized Light Microscopy
N.Y.M.S. Member _____ (\$695) Non-Member _____ (\$725)

Registration for Use of the Microscope only (4 Sessions)
N.Y.M.S. Member _____ (\$395) Non-Member _____ (\$425)

Registration for Polarized Light Microscopy Only (4 Sessions)
N.Y.M.S. Member _____ (\$395) Non-Member _____ (\$425)

Name _____

Address _____

City _____ State _____ zip _____

Phone (W) _____ (H) _____

e-mail address _____.

[Please send your application and payment directly to:](#)

NYMS Fall 2010 Courses
c/o Mel Pollinger, Treasurer
18-04 Hillery Street
Fair Lawn, NJ 07410-5207



Employment Opportunities

**The Rhode Island State Crime Laboratory
Criminalist II – Firearms examiner
Pay Range: \$50,775 - \$63,557**

For more information please visit: https://jobs.uri.edu/applicants/jsp/shared/position/JobDetails_css.jsp?postingId=138004

To apply for the position visit: https://jobs.uri.edu/applicants/jsp/shared/Welcome_css.jsp. Applications are only accepted on line. Please attach resume and cover letter in PDF format.

Closing Date: 08-05-2010

Posted: 07/26/10

**State of Colorado Department of Public Safety
Criminal Investigator II – Firearms Examiner
Class: A2A3XX; Position: 10587; Announcement CBI-10-23
Salary Range: \$5593 - \$7956**

For more information and to apply please visit the State of Colorado Job Announcement Site:
<http://www.gssa.state.co.us/announce/Job%20announcements.nsf/54c67aad0c28fbac87257448005063b7/e9772a7cadb3c83f87257767006c2d8e?OpenDocument>

Closing date: August 4, 2010

Posted: 07/26/10

**State of Colorado Department of Public Safety
Criminal Investigator I or II – DNA Examiner
Class: A2A2TX (Criminal Investigator I), A2A3XX (Criminal Investigator II); One Position: RAA 10211;
Announcement CBI-10-22
Salary Range: \$4605 - \$6545 (Criminal Investigator I); \$5593 - \$7956 (Criminal Investigator II)**

For more information and to apply please visit the State of Colorado Job Announcement Site:
<http://www.gssa.state.co.us/announce/Job%20Announcements.nsf/54c67aad0c28fbac87257448005063b7/81ccdaf7f966580a87257767006580ee?OpenDocument>

Closing date: August 4, 2010

Posted: 07/26/10



**Northeastern Association
of
Forensic Scientists**

American Association for Laboratory Accreditation (A2LA).

Technical Expert

Location: Many – this position requires travel but not relocation.

Link to application: http://www.a2la.org/forms/a2la_A308.pdf

Electrical failures? Household accidents? In the wake of the 2009 release of the National Academy of Sciences Report “Strengthening Forensic Science,” the American Association for Laboratory Accreditation (A2LA) has been working to develop an accreditation program to meet the needs of the manufacturing and commercial testing industry. A2LA is seeking experienced forensic specialists to sit on our Accreditation Council and our Forensic Examination Advisory Committee (FEAC) and offer advice, feedback, and guidance to the forensic program. In addition, we are currently seeking individuals to act as contracted assessors for the program who are intimately familiar with standard forensic evidence collection, handling, preparation, and processing procedures. Compensation includes a daily rate plus travel expenses. Travel is estimated at 2 to 4 days for each assessment. Applicants should have 10+ years experience performing forensic examinations (testing or crime scene inspection) and have a willingness to learn about new types of testing and quality assessment practices. Interested parties may submit a letter of interest and current resume by mail, email or fax to the below address. For more information on the program please visit www.A2LA.org or call the program contact person Karin Athanas at (301) 644-3236 or kathanas@a2la.org.

posted: 07/16/10

Broward County Sheriff’s Office, Ft. Lauderdale, FL

Criminalist II

Salary Range: \$52,214 - \$85,865

Position performs specialized technical and scientific work in the application of advanced laboratory techniques in DNA analysis. Position is responsible for the formal reporting of and testifying to the findings of such analysis.

Requirements: Bachelor's degree in natural or physical sciences. A Master's degree is preferred. Three (3) years experience in DNA analysis. Experience in DNA fingerprinting and PCR related DNA testing preferred. Applicants must meet the current FBI Quality Assurance Standards for Forensic DNA Testing at the time of application (Standard 5.4). Qualified applicants must have college level credit in genetics, biochemistry, statistics, organic chemistry and molecular biology (molecular genetics, recombinant DNA technology). Unofficial College transcripts are required at time of application.

You may view a detailed job description and apply online at <https://jobs.sheriff.org/JobListings.aspx>. After submitting an application online, please fax unofficial transcripts to (954) 321-4815. A completed application, accompanying resume and unofficial transcript will also be accepted by mail. Broward Sheriff's Office, Human Resources Bureau, 2601 W. Broward Blvd. Ft. Lauderdale, Florida 33312. All applications must be received by July 30, 2010.

Posted: 07/07/10



**Northeastern Association
of
Forensic Scientists**

City of Phoenix
Forensic Science Section Supervisor
Salary \$69,243-\$103,376 annualized
Job Code #62950, ID #2505, LN, ~CB~

For more information please view the job posting at www.phoenix.gov/jobs.

Application

You may also want to consider applying for the similar titles Forensic Scientist III and Forensic Scientist IV at the same time. Apply on-line by completing the required information and attaching your cover letter and resume. In your cover letter or resume, please provide sufficient detail to clarify your qualifications for the education and forensic laboratory experience requirements in one or more of the following disciplines INCLUDING your supervisory experience: Controlled Substances, Evidence Processing, Forensic Biology, Latent Print Comparison, Toxicology, Trace Evidence and Arson, Questioned Documents and/or Firearms Examination. In your cover letter or resume, please describe your experience as it relates to the required qualifications. **YOUR COVER LETTER AND RESUME, PLUS ANY OTHER REQUESTED MATERIAL, MUST BE IN ONE ATTACHMENT.** Only online applications are accepted for this position. The results of the resume screening process will be sent to your primary email address.

Posted: 07/07/10

City of Phoenix
Forensic Scientist II
Salary \$22.26 - \$33.29 hourly
Job Code #62920, ID #2505, LN, ~CB~

For more information please view the job posting at www.phoenix.gov/jobs.

Application

Apply on-line by completing the required information and attaching your cover letter and resume. In your cover letter or resume, please provide sufficient detail to clarify your qualifications for the education and forensic laboratory experience requirements specific to each of the levels listed above. You may also want to consider applying for the Forensic Scientist III and Forensic Scientist IV at the same time. **YOUR COVER LETTER AND RESUME, PLUS ANY OTHER REQUESTED MATERIAL, MUST BE IN ONE ATTACHMENT.** Only online applications are accepted for this position. The results of the resume screening process will be sent to your primary email address.

Posted: 07/07/10



**Northeastern Association
of
Forensic Scientists**

City of Phoenix

Forensic Scientist III

Salary \$25.89 - \$38.67 hourly / \$53,851 - \$80,434 annualized

Job Code #62930, ID #1553, LN, ~CB~

For more information please view the job posting at www.phoenix.gov/jobs.

Application

You may also want to consider applying for the similar titles Forensic Scientist II and Forensic Scientist IV at the same time. Apply on-line by completing the required information and attaching your cover letter and resume. In your cover letter or resume, please describe your experience in: Latent print comparison, Toxicology – providing sufficient detail regarding your laboratory experience and competencies, Trace evidence, Forensic biology – providing sufficient detail regarding your laboratory experience and competencies, Firearms Examination, Evidence Processing, Controlled Substances and/or Questioned Documents. **YOUR COVER LETTER AND RESUME, PLUS ANY OTHER REQUESTED MATERIAL, MUST BE IN ONE ATTACHMENT.** Only online applications are accepted for this position. The results of the initial resume screening process will be sent to the primary email address you provide when you apply.

Posted: 07/07/10

City of Phoenix

Forensic Scientist IV

Salary \$31.66 - \$47.21 hourly / \$65,853 - \$98,197 annualized

Job Code #62940, ID #1550 LN, ~CB~

For more information please view the job posting at www.phoenix.gov/jobs.

Application

Apply on-line by completing the required information and attaching your cover letter and resume. In your cover letter or resume, please provide sufficient detail to clarify your qualifications for the education and forensic laboratory experience requirements in one or more of the following disciplines: Controlled Substances, Evidence Processing, Forensic Biology, Latent Print Comparison, Toxicology, Trace Evidence and Arson, Firearms Examination and/or Questioned Documents. **YOUR COVER LETTER AND RESUME, PLUS ANY OTHER REQUESTED MATERIAL, MUST BE IN ONE ATTACHMENT.** Only online applications are accepted for this position. The results of the initial resume screening process will be sent to the primary email address you provide when you apply.

Posted: 07/07/10

Six3 Systems Company

Certified Latent Print Examiners CONUS - OCONUS

Latent Print Examiners CONUS - OCONUS

Forensic Technicians CONUS - OCONUS

Locations: Clarksburg, WV, Charlottesville, VA, Iraq; Afghanistan

Category: Biometrics, Forensics

The premier government contractor for Forensic, Biometric and Military Intelligence solutions, in support of our



Northeastern Association of Forensic Scientists

country's fight against terrorism, is seeking multiple Latent Print Examiners and Forensic Technicians for employment as civilian contractors supporting US Military activities, both in US (CONUS) and abroad (OCONUS).

LPE's trained to competency, with recent Latent Print Examiner employment are preferred. CLPE's are encouraged to apply, but certification is not required.

Duties

LPE's and Forensic Technicians stationed CONUS will assist in training US Military and government personnel in forensic collection and processing as it relates to the battlefield/wartime environment. This training is instructed by a team of forensic and military subject matter experts at a high speed pace. LPE's will also assess recovered latent prints for encoding and search, evaluate returned candidate lists and perform very difficult, complex fingerprint examinations and verifications. Forensic techs with ten-print experience and certification are also encouraged to apply. In addition to forensic experience, any candidates with law enforcement or military experience as well as experience training those types of personnel are encouraged to also apply. Military or ATF weapons intelligence or explosive ordnance disposal knowledge and experience are a plus. While deployed OCONUS, LPE's and Forensic Technicians perform technical and analytical tasks in the documentation, collection, and processing of latent prints. The work involves a scientific evaluation and comparison in determining the best method of developing, enhancing and preserving latent prints. Compares known and latent prints to determine positive identification or non-identification of the friction ridge detail.

Requirements

Latent Print Examiner

- Must be a qualified Latent Print Examiner; Demonstrated ability to effectively match latent prints to known prints; Provided expert testimony in court and/or be IAI certified; Proficient in processing porous and non-porous items for latent prints; Experience processing evidence with chemicals in a laboratory setting; Knowledge of AFIS database entry procedures and FBI ULW preferred.

Forensic Technician

- Demonstrated ability to effectively recognize latent prints of value; Proficient in obtaining known inked prints and major case prints; Proficient in processing porous and non-porous items for latent prints; Experience processing evidence with chemicals in a laboratory setting.

All Positions:

- Demonstrate ability to work well in a team environment; Travel within the US and abroad as an instructor for our mobile training teams; Willing to rotationally deploy OCONUS a minimum of six months to Iraq/Afghanistan; Time between deployments can range from 12-24+ months; Able to obtain a US Military SECRET or above clearance and US Passport; Must be a US Citizen.

Physical Requirements:

- Walk two miles without rest; Run one hundred yards at brisk pace; Rapidly climb 4 flights of stairs; Safely lift/carry objects weighing 75 pounds for 75 feet; Drag/pull objects weighing 75 pounds for 75 feet; Stand for 8 hours at a time without extended rest; Periodic bending and reaching; Ability to operate in extreme temperatures for extended periods of time.

Please contact Senior Recruiter, Maria Stockli at Maria.Stockli@Six3Systems.com

Posted: 06/30/10

York County, South Carolina - York County Sheriff's Office

DNA Technical Leader

Starting salary range \$46,562-\$65,187(Dependent on Education and Experience)

The purpose of this position is to develop and implement new techniques, policies and procedures to keep the laboratory in tune with rapidly changing technology of DNA. Analyzes casework in the area of Forensic biology; remain current on



Northeastern Association of Forensic Scientists

new technologies and provides assistance at crime scenes as necessary. This position will be instrumental in the creation of the new York County Sheriff's Office DNA laboratory. Requires a Masters Degree in a biology ,chemistry, or forensic science related area with a minimum of 12 semester credit hours in biochemistry, genetics, molecular biology and statistics. Also must possess valid state driver's license and have a minimum of 3 years of forensic DNA laboratory experience.

Applications may be made at the York County Human Resources Dept. at 6 S. Congress St., York, SC 29745 or via the Internet at the York County web site at www.yorkcountygov.com.

Posted: 06/30/10

Weld County / Greeley Colorado Weld County Forensic Lab Director

Analyze evidence, testify in court as an expert witness, prepare the annual lab budget request, monitor lab expenditures, and maintain accreditation by the American Society of Crime Laboratory Directors-Laboratory Accreditation Board (ASCLD-LAB). The Lab Director will oversee the daily operation of all lab activities to serve the needs of the Weld County Sheriff's Office and the Greeley Police Department.

The Forensic Lab Director works under the general direction of a multi-jurisdictional board comprised of the Weld County Sheriff's Office Patrol Division Bureau Chief, the assigned Greeley Police Department Division Captain, and the District Attorney for the 19th Judicial District, or a Deputy District Attorney designee. The Lab Director is a Weld County employee, and day-to-day supervision is by the Weld County Sheriff's Office Patrol Division Bureau Chief.

The Lab Director will manage and administer the scientific and technical aspects of all the forensic laboratory. The Director will be directly responsible to oversee those functions taking place in the lab within the guidelines previously adopted through "Intergovernmental Agreements" and "Memorandums of Understanding." The Lab Director may also be assigned direct supervision of personnel working in the lab as agreed upon by the Greeley/Weld County Board of Supervisors.

Link to posting/applying online: www.co.weld.co.us

Posted: 06/21/10

Dyncorp International Forensic Science Mentor/Trainer (Chemist) Overseas – Baghdad, Iraq

Summary

This is forensic laboratory work guiding activities of Iraqi scientists working in the Iraqi National Forensic Program. Work includes planning, directing, coordinating and mentoring the work of Iraqi Scientists in one of several forensic - chemistry. The advisor will help the Iraqi system development and implement new techniques and methods of analysis; and help evaluate new methods and techniques developed by other forensic systems. Work is performed under supervision of a team leader. Plans, organizes, and mentors the work of forensic scientists engaged in scientific analysis of evidence gathered. Conducts research experiments to develop modern, more efficient and more exact criminal laboratory methods, techniques and procedures; develop, tests and evaluates new methods, techniques and procedures to certify their efficacy and feasibility for use in forensic laboratories.



**Northeastern Association
of
Forensic Scientists**

Requirements

Have or be able to obtain a U.S. Secret Clearance. Completion of a Bachelor's Degree in forensic science- chemistry, biochemistry. A minimum of five years of experience performing laboratory analysis/examinations in an accepted forensic discipline: primarily chemistry

Forensic laboratory experience supervising/training/mentoring other forensic scientists engaged in the analysis/examination of evidence in support of forensic investigations.

Send resume to Michael.Sosa@dyn-intl.com

Posted: 06/21/10

**Office of the Chief Medical Examiner, Suffolk County Crime Laboratory, Hauppauge (Long Island), NY
Anticipated Position Available - Forensic Scientist I (Chemical)**

Duties

Perform chemical and microscopic examination/analysis of liquids, tablets, powders, plant material, and other evidence to both identify and quantitate controlled substances using techniques such as TLC, GC, HPLC, MS and IR spectroscopy as per New York State or Federal Statutes; issue and sign reports; may respond to crime scenes and participate in processing scenes; testify as an expert witness in various courts in Suffolk County.

Minimum Qualifications

Either: a) Graduation from an accredited college or university with a Master's Degree in one of the natural sciences (e.g., chemistry, physics, biology) or forensic science including or supplemented by at least sixteen credits in chemistry and one year of professional experience in forensic chemistry (i.e., seized-drug or toxicological analysis); or, b) Graduation, as per above, with a Baccalaureate degree and two years of professional experience in forensic chemistry (i.e., seized-drug or toxicological analysis).

Note: Professional experience is defined as experience involving independent responsibility for the analysis of evidence and may include signing and issuing reports. At the time of appointment and during employment in this title, employees will be required to possess a valid license to operate a motor vehicle in New York State or otherwise demonstrate their capacity to meet the transportation needs of the job. Residence in Suffolk County is not required.

Salary

Pay is between 58 and 65K/year for a 35 hour work week. There has been and continues to be ample overtime available to employees in this position.

Interested applicants may contact John Mario, at 631-853-5585 or john.mario@suffolkcountyny.gov.

Posted: 06/10/10



Tek Systems

Reston, VA and occasional trips to Quantico, VA

Business Analyst

Required Qualification

Background in biology preferred, especially forensic DNA analysis.

Primary Responsibilities

Provide subject matter expertise support to domestic and international users of the CODIS software. Understands methods and procedures used by DNA laboratories. Become familiar with the functionality of the CODIS software and maintain a high degree of knowledge of the architecture, procedures, jobs, and other components of the application. Perform operation and maintenance duties for the national DNA database under the guidance of the FBI program management office. Ensure the smooth operation of the CODIS application in accordance with all customer agency policies and procedures. Interact and communicate with customers in person, over email and via telephone in a professional and courteous manner. Utilize background knowledge to identify with the laboratory user's point of view. Identify, troubleshoot, and resolve issues in an efficient and timely manner. Maintain confidentiality of data and coordinate with other team members as needed. Assist the CODIS development team by sharing knowledge of forensic DNA analysis, laboratory procedures and the user's perspective. Create knowledge base articles for frequently asked questions and common issues/solutions. Contribute to the overall effectiveness of support, offering ideas for exceeding client expectations and assisting other group members. Serve as liaison between various project groups to resolve issues. Assist in the creation and maintenance of policies, procedures, and other documentation. Provide program metrics and reports and assist in automation of such. Support hardware/software installations, upgrades and migrations. Perform other duties as assigned.

Related Skills & Other Requirements

Understands methods and procedures used by DNA laboratories. Must be able to provide professional and courteous customer support. Must have strong analytical and problem resolution skills. Ability to take initiative and operate independently while remaining flexible. Ability to meet deadlines and manage multiple tasks and assignments efficiently. Have a high level of attention to detail and superior organizational skills. Ability to communicate moderately complex or technical information, ideas and results effectively in both oral and written form. Must be proficient with Microsoft Windows applications and Microsoft Office tools (Access, Excel, Word, PowerPoint, Outlook). Excellent oral and written communication skills, ability to communicate with people at all levels. Excellent customer service and teamwork skills required. Flexibility to work overtime and on weekends in support of special requests (minimal). Willingness to travel.

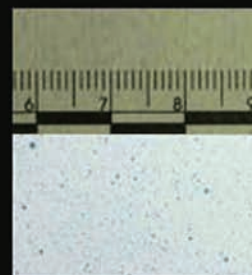
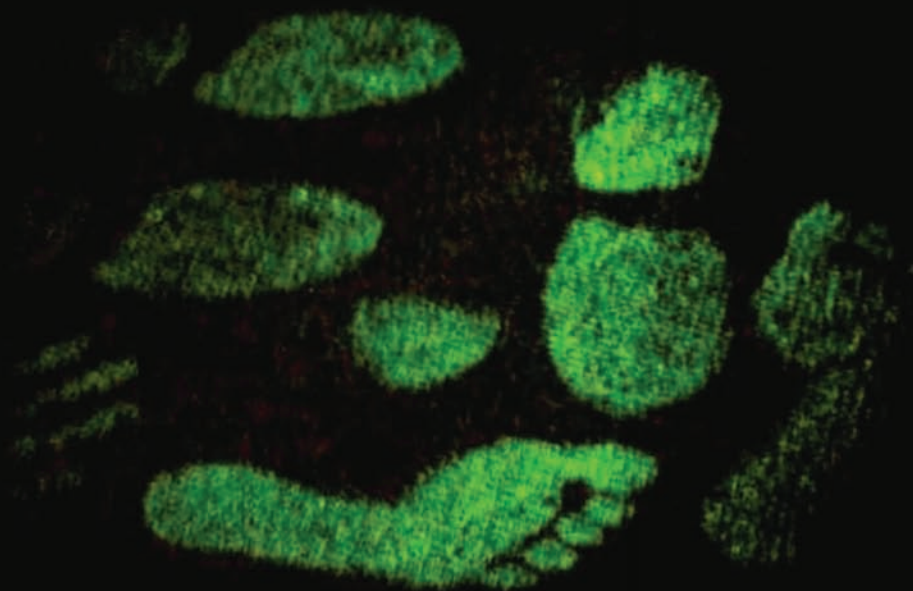
This position requires a U.S. Government Security Clearance at the Top Secret level; and the ability to maintain such a U.S. Government clearance as a continued condition of employment; must be a U.S. Citizen.

Desired Knowledge/Experience

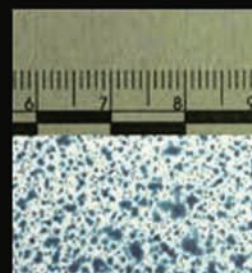
Familiarity with CODIS desired. Understanding of relational databases including Microsoft SQL Server and experience with Structured Query Language (SQL) highly desired.

Please send resume to: npetrosk@teksystems.com; **Neil Petroski Professional Recruiter**, 12353 Sunrise Valley Drive, Ste. B, Reston, VA 20191; 800.786.5211, T 703.476.3380; F 703.476.3391

Posted: 05/18/10



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