

NEAFS Newsletter

Volume 43, Issue 2

Summer 2018



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Board of Directors 2018

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president@neafs.org

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presidentelect@neafs.org

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treasurer@neafs.org

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278 Colony Street
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secretary@neafs.org

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124 Acton Street
Maynard, MA 01754

director1@neafs.org

Director: Elizabeth Duval

Massachusetts State Police Crime Lab
124 Acton Street
Maynard, MA 01754

director2@neafs.org

Director: Adam Hall

Northeastern University
Barnett Institute of Chemical and Biological Analysis
360 Huntington Avenue, 140 The Fenway, Rm 412 Boston,
MA 02115

director3@neafs.org

Staff 2018

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Massachusetts State Police Crime Lab
124 Acton Street
Maynard, MA 01754
pastpresident@neafs.org

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845-797-8258
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education@neafs.org

Registration Chairperson: Jessica Best

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registration@neafs.org

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membership@neafs.org

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merchandise@neafs.org

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100 College Drive
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610-606-4661
sitechair@neafs.org

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publications@neafs.org

Awards Chairperson: Elizabeth Duval
Massachusetts State Police Crime Laboratory

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978- 451-3472
awards@neafs.org

Ethics Chairperson: Larry Quarino

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100 College Drive
Allentown, PA 18104
ethics@neafs.org

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dues@neafs.org

Certification Chairperson: Peter Diaczuk

Penn State University
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University Park, PA
certification@neafs.org

Webmaster: Lisa McFarland

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MEET THE 2018 BOD

Melissa Balogh – President

NJ State Police Office of Forensic Sciences, Central Regional Laboratory
Forensic Scientist II in the trace evidence unit since October 2003
BS in Criminal Justice - Shippensburg University
BS in Forensic Chemistry - West Chester University

Tiffany Ribadeneyra, F-ABC - President-Elect

Nassau County Office of the Medical Examiner, NY
Forensic Scientist IV in the Chemistry Section since May 2011
Westchester County, NY Forensic Laboratory from Dec. 2005 to May 2011
BS in Chemistry-Fordham University
MS in Criminal Justice-LIU Post

Maria Tsocanos - Treasurer

Westchester County Forensic Laboratory, NY
Assistant Forensic Scientist in the Forensic Biology section since 2007
BS in Forensic Science - John Jay College of Criminal Justice

Angela Violotti – Secretary

Connecticut Forensic Lab, Connecticut Department of Emergency Services and Public Protection, Division of Scientific Services
Forensic Science Examiner 1 for approximately 4.5 years
BS in Biochemistry – Cedar Crest College
MS in Forensic Science – Cedar Crest College

Adam Hall Ph.D., D-ABC – Director

Director, Mass Spectrometry Facility-Barnett Institute of Chemical and Biological Analysis-Northeastern University, Boston, MA 2014- Present
Instructor of Forensic Chemistry, Boston University School of Medicine, 2007-2014
Forensic Chemist II, MA State Police Crime Laboratory, 2002-2007
BA in Chemistry - Stonehill College
MS in Chemistry - Northeastern University
PhD in Analytical Chemistry - Northeastern University

Sheauling Kastor - Director

Massachusetts State Police Crime Laboratory
Forensic Scientist II in DNA and Crime Scene Response Units since January 2009
BS in Biology - Fairfield University
MS in Forensic Science - University of New Haven

Elizabeth Duval - Director

Massachusetts State Police Crime Laboratory



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@NEAFS76



President's Message

Greetings NEAFS members,

I hope that you're enjoying your summer so far! Although I'm currently preparing for my upcoming beach vacation, I know that the Annual Meeting is fast approaching. I always look forward to the annual meeting each year. It's a chance to network, meet new people, reconnect with old friends, and, most importantly, an excellent, affordable educational opportunity!

Registration for the annual meeting is now open and abstracts are being accepted for posters and technical presentations. Remember that we are once again offering free registration to *members or active applicants* who present a technical paper or poster. Visit our website (www.neafs.org) for more information, and please consider joining us at the beautiful Sagamore Resort October 23 -27, 2018.

I'd also like to remind you that NEAFS will once again be co-sponsoring the Green Mountain DNA Conference in Burlington, VT from July 30 –August 1, 2018. Registration is now open and is on a first come, first serve basis. Visit <http://vfl.vermont.gov/conference> for more information.

The next Board of Director's meeting will be held on August 18th at the University of New Haven – Orange Campus. Please let me know if you would like to add anything to the agenda.

I look forward to seeing you all in NY!

Best Regards,

Melissa Balogh

2018 NEAFS President

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NEAFS 2018 Annual Meeting

October 23, 2018 – October 27, 2018



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FREE REGISTRATION*

Please contact Program Chair Tiffany Ribadeneyra at
TRibadeneyra@Yahoo.com if you would like to volunteer

*Available to members/active applicants presenting a technical paper or poster at the 2018 meeting



NORTHEASTERN ASSOCIATION OF FORENSIC SCIENTISTS ANNUAL MEETING – October 23 - 27, 2018

See additional page for informational details. To qualify for **Early Registration**, a completed registration form and full payment must be postmarked no later than **September 23, 2018**. Regular registration will be accepted from September 24 through October 16, 2018. After this date, all registrations will be processed on-site and subject to an additional \$20 fee.

Mail your completed form
and registration fee to:

NEAFS Registration
PO Box 4011
Meriden, CT 06450

registration@neafs.org

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

First Name: _____
Last Name: _____
Member Number: _____ **ABC Status:** _____
Organization/Agency: _____ ☐ Diplomate
Street: _____ ☐ Fellow
City: _____ ☐ Technical Specialist
State: _____ Zip Code: _____ ☐ Affiliate
Phone: _____ Fax: _____ ☐ Exam Committee
Email: _____ ☐ Board Member

II. SCIENTIFIC SESSIONS - REGISTRATION FEES: October 25 - 27, 2018, Thursday - Saturday Sessions

**For student affiliate reduced registration, a copy of your FALL 2018 course schedule must be submitted; otherwise you will be charged the non-member rate.*

<u>Full Meeting Registration</u>	<u>Early Registration</u> Postmarked by 9/23/18	<u>Regular Registration Postmarked between</u> 9/24/18 and 10/16/18
Member / Active Applicant	\$130.00 - <input type="checkbox"/>	\$180.00 - <input type="checkbox"/>
Non-Member	\$225.00 - <input type="checkbox"/>	\$275.00 - <input type="checkbox"/>
#Student Affiliate (Non-Member)*	\$135.00 - <input type="checkbox"/>	\$160.00 - <input type="checkbox"/>
#Guest of Member / Non-Member	\$110.00 - <input type="checkbox"/>	\$135.00 - <input type="checkbox"/>
Guest Name: _____		

<u>Daily Registration</u>	<u>Thursday Only</u>	<u>Friday Only</u>	<u>Saturday Only</u>
#Member / Active Applicant	\$75.00 - <input type="checkbox"/>	\$75.00 - <input type="checkbox"/>	\$45.00 - <input type="checkbox"/>
#Non-Member	\$125.00 - <input type="checkbox"/>	\$125.00 - <input type="checkbox"/>	\$75.00 - <input type="checkbox"/>
#Student Affiliate (Non-Member)	\$80.00 - <input type="checkbox"/>	\$80.00 - <input type="checkbox"/>	\$50.00 - <input type="checkbox"/>
#Guest of Member / Non-Member	\$70.00 - <input type="checkbox"/>	\$70.00 - <input type="checkbox"/>	\$40.00 - <input type="checkbox"/>
Guest Name: _____			

Please Note: On-Site Registration Surcharge \$20.00 - ☐

SECTION II TOTAL: \$ _____

III. MEALS: Breakfast included with each day of registration. Luncheon tickets are included with **full meeting registration**, however, a selection is required below if you plan to attend. # **Daily, student, and guest registrations require the purchase of luncheon tickets.**
NOTE: If you have a dietary restriction, please indicate here: _____

Will you be attending the luncheon on Thursday (held during the Annual Business Meeting)? Yes/No? _____

Daily, Student, Guest Registration Tickets: _____ X \$30.00 = _____

Will you be attending the Friday's luncheon? Yes/No? _____ Lunch selection: Beef/Chicken/Seafood/Vegetarian/NA? _____

Daily, Student, Guest Registration Tickets: _____ X \$50.00 = _____

Will you be attending the President's Reception on Friday evening? Yes/No? _____

SECTION III TOTAL: \$ _____

IV. WORKSHOP SESSION FEES

Workshops are filled on a first-come-first-served basis. Continental breakfast will be provided for the workshops. Workshops are subject to cancellation. Check www.neafs.org for updates on dates and times.

Full-Day Workshops – Wednesday, October 24th

	<u>Member</u>	<u>Non-Member</u>
Thermo Fisher 2018 Future Trends in Forensic DNA Technology	\$40 <input type="checkbox"/>	\$80 <input type="checkbox"/>
The Role of Ethics in Scientific Court Testimony	\$40 <input type="checkbox"/>	\$80 <input type="checkbox"/>
Agilent Technologies: Innovative Techniques in Forensic Analysis	\$40 <input type="checkbox"/>	\$80 <input type="checkbox"/>
The 2017 Version of ISO/IEC 17025 and the Related ANAB Forensic Accreditation Requirements in a Nutshell – How to Crack that Nut!	\$40 <input type="checkbox"/>	\$80 <input type="checkbox"/>

Half-Day Workshops – Wednesday Morning, October 24th

Characterization of Interfering Products in Fire Debris Analysis	\$20 <input type="checkbox"/>	\$40 <input type="checkbox"/>
Through the Eyes of an Analyst: Emerging Drug Trends and Contraband Concealment	\$20 <input type="checkbox"/>	\$40 <input type="checkbox"/>

Half-Day Workshops – Wednesday Afternoon, October 24th

Statistics and Sampling in Forensic Science - The Basics	\$20 <input type="checkbox"/>	\$40 <input type="checkbox"/>
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SECTION IV TOTAL: \$ _____

PAYMENT:

Check - ☐

Money Order - ☐

PAYPAL (October 16th Deadline) - ☐

Check # _____

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

PLEASE check boxes of events you are considering. *This is for estimation purposes only and in no way binding.*

- | | |
|--|--|
| <input type="checkbox"/> Touring Boat of Lake George (Tuesday, Oct. 23 rd) | <input type="checkbox"/> Student Forum (Saturday, Oct. 27 th) |
| <input type="checkbox"/> ABC Exam (Wednesday, Oct. 24 th) | <input type="checkbox"/> Educator's Forum (Saturday, Oct. 27 th) |
| <input type="checkbox"/> Welcome Reception/Poster Session (Thursday, Oct. 25 th) | <input type="checkbox"/> Crim/Crime Scene Session (Thursday, Oct. 25 th) |
| <input type="checkbox"/> Continental Breakfast (Wednesday, Oct. 24 th) | <input type="checkbox"/> DNA Session (Thursday, Oct. 25 th) |
| <input type="checkbox"/> Continental Breakfast (Thursday, Oct. 25 th) | <input type="checkbox"/> Drug Session (Thursday, Oct. 25 th) |
| <input type="checkbox"/> Continental Breakfast (Friday, Oct. 26 th) | <input type="checkbox"/> Toxicology Session (Thursday, Oct. 25 th) |
| <input type="checkbox"/> Continental Breakfast (Saturday, Oct. 27 th) | <input type="checkbox"/> Trace/Arson & Explosives Session (Thursday, Oct. 25 th) |

The exhibitors and sponsors you meet at the NEAFS Annual Meeting play a vital role in keeping meeting costs reasonable while still enabling us to improve session and workshop quality. Simply put, without Corporate Sponsors the NEAFS Annual Meeting would be too cost prohibitive to convene. Every year we field requests for an Attendee List to allow exhibiting companies to forward marketing and new product information. NEAFS is one of the only organizations that does not automatically provide this information. We would like to offer this information to our valued (and valuable) sponsors this year. Please sign/print your name if you *refuse* to release this information. _____.

HELPFUL REGISTRATION TIPS

www.neafs.org

NEAFS REGISTRATION MAILING ADDRESS: NEAFS Registration, PO Box 4011 Meriden, CT 06450

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

ANNUAL MEETING / WORKSHOP REGISTRATION:

Early Registration: completed registration form and full payment postmarked no later than September 23rd, 2018. After this date, ALL registrations will be regular or on-site registrations. Registration is not accepted via email or fax, *unless* PayPal is utilized as form of payment. You will not receive confirmation of your registration status.

PAYMENT INFORMATION (in U.S. dollars):

Accepted forms of payment, during Early Registration only, are via PayPal, check, or money order.

Purchase Orders or Vouchers are NOT accepted. Payment via Paypal may be made on the NEAFS website until October 16th, 2018 (NEAFS Tax ID # 51-0213291). A Paypal account is not necessary to use this feature – you can make a one-time credit card payment. The Paypal receipt is the only confirmation of payment that you will receive if paying electronically, while handwritten receipts will be generated for those paying by check or money order. **IF PAYMENT IS MADE VIA PAYPAL A COMPLETED REGISTRATION FORM MUST BE SENT TO: registration@neafs.org**

WORKSHOPS: Workshop attendance requires an additional fee. Workshop(s) are not included with Annual Meeting Registration. Workshops are filled on a first-come-first-served 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 canceled, 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.

CANCELLATION / REFUNDS: If you cancel your Workshop or Meeting Registration, your written, signed, and dated request must be mailed to the NEAFS Registration Chairperson at the mailing address provided above. If you cancel, your registration fees will be refunded, as follows: postmarked no later than September 23rd, 2018, full refund, less \$20 processing fee; postmarked between September 24th - October 16th, 2018, 50% refund. No refund requests will be honored if postmarked after October 16th, 2018.

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

CERTIFICATES: Certificates are generated by the workshop instructors for workshop completion only, not for attendance of the general sessions.

LUNCHEON: Tickets for attendance at the luncheons are included with FULL MEETING REGISTRATION ONLY. Please indicate on your registration form if you will or will not be attending so we may provide an accurate headcount to the hotel. If attending the luncheons, your registration packet will include luncheon tickets that must be presented to the Officials at the door for entry to the luncheon. If you have a food allergy, please inform the hotel staff directly. If needed, additional luncheon tickets may be purchased separately.

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

If you have any questions or concerns please email the NEAFS Registration Chairperson at:
registration@neafs.org

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NEAFS 44th Annual Meeting

October 24th-27th, 2018

Bolton Landing, NY

CALL FOR PAPERS – ABSTRACT FORM

Any member or active applicant who presents a technical talk or poster will receive FREE REGISTRATION for the meeting!!!!!!!

DEADLINE: September 1, 2018

Presentation Title:

Presenting Author:

Author Affiliation:

Phone Number:

Email:

Co-Author(s) and Affiliation, if applicable:

Scientific Session: ☐ Criminalistics/Crime Scene ☐ DNA ☐ Drug Chemistry ☐ Educator's Forum

☐ Poster ☐ Toxicology ☐ Trace/Arson and Explosives

NEAFS membership #: Active Applicant ☐

For Students:

I would like my oral or poster presentation to be entered in the Peter R. De Forest Student Competition (see rules below)

☐ Yes ☐ No

Name of Program:

Degree Sought:

Anticipated Graduation Date:

Instructions: Complete this form and email to the Program Chair and appropriate Session Chair. Additionally, if this presentation will be entered in the Peter R. De Forest Student Competition, please send a copy of the abstract to the Student Competition Chair.

A laptop and projector will be provided. However, if additional audio-visual equipment is needed, please indicate below.

☐ PowerPoint Version _____ Other presentation format (please specify) _____
☐ PC ☐ Mac ☐ Use of own computer
☐ Additional equipment needed _____

Time needed for presentation: ☐ 10 min ☐ 20 min ☐ Other* _____

*Any time requested which is longer than 20 minutes will be approved if the time is available.

Scientific Session Chairs: *please check the appropriate individual you will be emailing.*

<input type="checkbox"/> Program Chair:	Tiffany Ribadeneyra	PresidentElect@neafs.org
<input type="checkbox"/> Criminalistics/Crime Scene Session:	Keri L. Dewar	Keri.Dewar@massmail.state.ma.us
<input type="checkbox"/> DNA Session:	Helen Wong	Helen.Wong@SuffolkCountyNY.gov
<input type="checkbox"/> Drug Chemistry Session:	Sabra Botch-Jones	SabraJ@bu.edu
<input type="checkbox"/> Educator's Forum:	Sandra Haddad	S.Haddad@yahoo.com
<input type="checkbox"/> Poster Session:	David Nemeth	DrDavidJNemeth@gmail.com
<input type="checkbox"/> Toxicology Session:	Andrea Belec	ABelec43@gmail.com
<input type="checkbox"/> Trace/Arson and Explosives Session:	Adam Hall	A.Hall@neu.edu

For Students:

☐ **Peter R. De Forest Student Competition:** Sandra Haddad S.Haddad@yahoo.com

Please Note: All presenters must register for the meeting.

ABSTRACT

Please type the abstract below or include in a Word Document upon submission

You will be notified whether your abstract is approved as is, approved with suggested modifications, or not selected.
It is recommended that abstracts be from 250 to 500 words and must accurately reflect the content of the presentation.

Peter R. De Forest Student Competition Rules and Guidelines

Students may choose to enter their presentation (oral or poster) in the Peter De Forest Student Competition. To be eligible to compete, a presenter must be enrolled as a full or part time undergraduate or graduate student during the time the research was performed and completed. A graduation date within 6 months of the NEAFS meeting at which the work will be presented is acceptable, provided the work was completed before the graduation date. NEAFS membership is not required.

Presentations should consist of original research or ideas. Literature reviews will not be accepted into the competition.

Students will be judged on both scientific accuracy and presentation skills.

For collaborations, only one student will be eligible to present the work and the award will go to the presenter, not the project. No two students may present the same project, even if in a different format (oral vs poster presentation.) The student presenting the work should have contributed and completed the major portion of the work themselves.

A student may present their research in both oral and poster format, however only one format may be entered into the competition.

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Northeastern Association of Forensic Scientists

2018 NEAFS Annual Meeting Preliminary Program Bolton Landing, NY (subject to change)

Tuesday, October 23rd

4:00 p.m. Hotel Check-In

1:00 p.m. – 3:00 p.m. Touring Boat of Lake George

3:00 p.m. – 6:30 p.m. Board of Directors Meeting

6:30 p.m. – 8:30 p.m. Board of Directors Dinner

Wednesday, October 24th

7:00 a.m. – 2:00 p.m. Registration

7:00 a.m. – 8:30 a.m. Continental Breakfast

8:00 a.m. – 5:00 p.m. The 2017 Version of ISO/IEC 17025 and the Related ANAB Forensic Accreditation Requirements in a Nutshell – How to Crack that Nut! Workshop

8:00 a.m. – 12:00 p.m. Characterization of Interfering Products in Fire Debris Analysis Workshop

8:00 a.m. – 12:00 p.m. Through the Eyes of an Analyst: Emerging Drug Trends and Contraband Concealment Workshop

1:00 p.m. – 5:00 p.m. Statistical Sampling of Seized Drugs Workshop

8:00 a.m. – 5:00 p.m. The Role of Ethics in Scientific Court Testimony Workshop

8:00 a.m. – 5:00 p.m. Agilent Technologies: Innovative Techniques in Forensic Analysis Workshop

8:00 a.m. – 5:00 p.m. Thermo Fischer 2018 Future Trends in Forensic DNA Technology Workshop

10:00am – 10:30 a.m. Morning Break

12:00 p.m. – 1:00 p.m. Lunch

3:00 p.m. – 3:30 p.m. Afternoon Break

6:00 p.m. – 9:30 p.m. Exhibitor Setup

7:00 p.m. – 9:00 p.m. Campfire/Smores' Social

Thursday, October 25th

7:00 a.m. – 5:00 p.m. Registration

7:00 a.m. – 8:30 a.m. Continental Breakfast

7:00 a.m. – 8:00 p.m. Exhibits

8:00 a.m. – 5:00 p.m. Scientific Session Drugs/Toxicology

8:00 a.m. – 5:00 p.m. Scientific Session DNA

8:00 a.m. – 5:00 p.m. Scientific Session New Technologies, Trace/Arson & Explosives

8:00 a.m. – 5:00 p.m. Scientific Session Criminalistics/Crime Scene

10:00 a.m. – 10:30 a.m. Morning Break
12:00 p.m. – 1:30 p.m. Lunch & Business Meeting
3:00 p.m. – 3:30 p.m. Afternoon Break
5:00 p.m. – 8:00 p.m. Welcome Reception & Poster Session
8:00 p.m. – 10:00 p.m. Evening Session & Desserts

Friday, October 26th

7:00 a.m. – 5:00 p.m. Registration
7:00 a.m. – 8:30 a.m. Breakfast
7:00 a.m. – 11:00 a.m. Exhibits
8:00 a.m. – 5:00 p.m. General/Plenary Session
10:00 a.m. – 10:30 a.m. Morning Break
11:00 a.m. – 1:00 p.m. Teardown
12:30 p.m. – 2:30 p.m. Annual Luncheon
3:30 p.m. – 4:00 p.m. Afternoon Break
6:00 p.m. – 10:00 p.m. President's Reception

Saturday, October 27th

8:00 a.m. – 10:00 a.m. Registration
8:00 a.m. – 9:30 a.m. Breakfast
8:00 a.m. – 12:00 p.m. ABC Examination
9:00 a.m. – 12:30 p.m. Student Forum and George W. Chin Collegiate Cup competition
9:00 a.m. – 12:30 p.m. Educator's Forum
10:00 a.m. – 10:30 a.m. Morning Break



ANSI-ASQ NATIONAL ACCREDITATION BOARD

ANAB is a non-profit, non-governmental organization that provides accreditation and training services to public and private sector organizations. We are the global leader in accreditation of forensic service providers to ISO/IEC 17025 and ISO/IEC 17020. ANAB has provided accreditation services to the forensic community since 1982 and is a signatory of the IAF and ILAC multilateral recognition arrangements (MRAs).



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www.anab.org

NEAFS 2018 WORKSHOPS

The 2017 Version of ISO/IEC 17025 and the Related ANAB Forensic Accreditation Requirements in a Nutshell – How to Crack that Nut!

Instructor: Laurel Farrell, Senior Accreditation Manager
ANSI-ASQ National Accreditation Board

Both ISO/IEC 17025:2017 and the related ANAB Forensic Accreditation Requirements documents have been updated and have moved to less prescriptive requirements. Mentioned in the Foreword to ISO/IEC 17025, this move is supported by an application of risk-based thinking and a focus on performance-based requirements (a move from “how” to “what”).

This workshop will review the main sections of ISO/IEC 17025:2017 and for each section discuss the overarching concept and then focus on the intent of the requirements from both documents. For those requirements that are more open-ended, examples and/or exercises will explore options for conformance. Keeping in mind that the approach to conformance will most likely not be the same, for all forensic service providers! The relationship of Process- Risk- Continuous Improvement will be explored.

Workshop participants will leave with a path forward to accreditation based on these updated accreditation requirements and a new perspective towards this revised approach to accreditation. The glass is half-full – the upside to risk-based thinking is opportunity!

Characterization of Interfering Products in Fire Debris Analysis

Instructor: Mary R. Williams, Coordinator of Research Programs & Services
National Center for Forensic Science, University of Central Florida

This half-day course will provide students an understanding of how materials decompose to create compounds that interfere with the interpretation of ignitable liquid residues in fire debris. Students will learn what chemical reactions are involved during the thermal decomposition process. We will discuss a variety of methods for burning materials to generate the products. Students will discover the types of combustion/pyrolysis compounds identified from the materials. We will survey the scientific literature and databases to determine common compounds with ignitable liquid residues. The survey will also include whether groups of these interfering compounds yield similar chromatographic patterns as ignitable liquids residues. We will explore various tools and methods for interpretation of the gas chromatography mass spectrometry data. These will aid in our determination of the presence of an ignitable liquid residue in the presence of combustion/pyrolysis products from decomposition of materials at the fire scene.

Prerequisites: basic understanding of fire debris analysis.

The Role of Ethics in Scientific Court Testimony

Instructors: Lawrence Quarino, Ph.D., Director of Forensic Science Program,
Cedar Crest College

Robert Biancavilla, J.D., Assistant District Attorney-Homicide Bureau,
Suffolk County (NY) District Attorney's Office

This workshop will begin with a discussion of the concepts of legal and scientific proof and the ethical dilemmas often poised to scientific expert witnesses during courtroom testimony. Examples of ethical dilemmas typically encountered by forensic scientists during court testimony and in interactions with the criminal justice system will be discussed with suggestions for resolution provided. The role that professional codes of ethics play in resolution of ethical dilemmas will be offered.

The workshop will focus on proper pretrial preparation and direct and cross-examination of expert forensic witnesses. Instruction on expert testimony specific for common types of forensic evidence (e.g. DNA, blood alcohol) will be given. The effect of both the Frye and Daubert standards for the scientific admissibility of evidence on testimony dealing with various types of physical evidence will also be discussed. The instructors will provide opportunity for participants to engage in direct and cross examination.

The workshop will review important practical criteria useful in persuasive and effective expert witness testimony during trial. The workshop will review recent studies assessing the effect of pay, frequency of testimony, and expert credentials on the perceptions of expert testimony on juries.

Finally, the workshop will discuss the Confrontation Clause of the Sixth Amendment to the U.S. Constitution in light of US Supreme Court decisions and how it may relate to the testimony of expert witness in areas such as probabilistic DNA mixture interpretation and DNA familial searching.

Statistic and Sampling in Forensic Science – The Basics

Instructor: Suzanne Bell, Ph.D., Chair of the Department of Forensic and Investigative Services, West Virginia University

This workshop will focus on statistical approaches to sampling in forensic science focusing on seized drug analysis. After a review of relevant statistical concepts, current approaches to sampling will be introduced for qualitative and quantitative analyses. For qualitative analysis, the ENFSI calculator sheet will be used and illustrated with examples. Emphasis will be placed on understanding underlying concepts to afford confidence in testimony and reporting. Sampling for quantitative analysis will be introduced and discussed using ENFSI documents along with other approaches based on case size and fitness-for-purpose. Participants are encouraged to bring laptops with the ENFSI calculators installed. Time will be reserved for questions and applications based on participant situations and concerns.

Thermo Fisher 2018 Future Trends in Forensic DNA Technology

Instructors: Various

Thermo Fisher Scientific is proud to support NEAFS in offering a one-day Forensic Workshop. This workshop will explore the new offerings at Thermo Fisher Scientific to support Forensic DNA Technology.

Agilent Technologies: Innovative Techniques in Forensic Analysis

Instructors: Various

Please join Agilent for a one-day workshop on the latest techniques in forensic analysis. The morning session will feature talks on forensic applications using our newest technologies, including the Ultivo and the Intuvo 9000. The afternoon session will include hands-on troubleshooting and maintenance for GC and GC/MS.



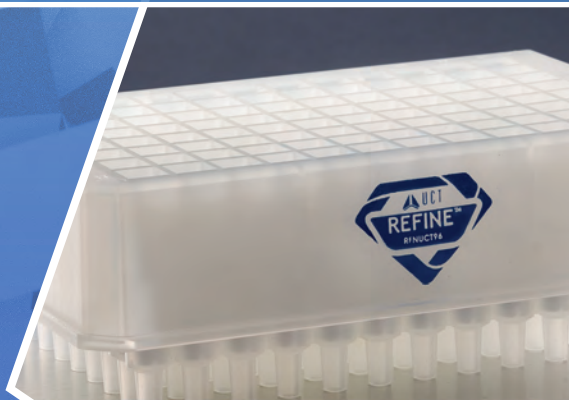
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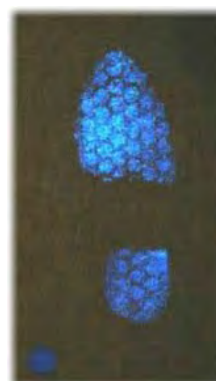
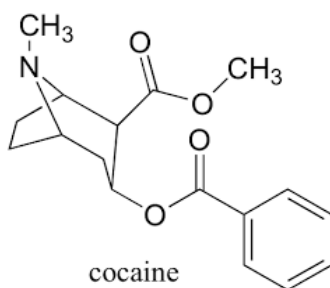
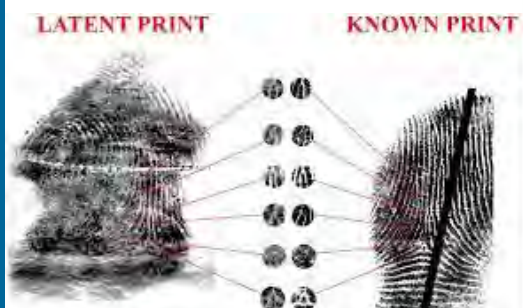
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College Bowl

2018 Annual Meeting

Teams of four students will compete in a quiz type game. If there are only two college teams they will compete against each other in a GE College Bowl format. Both graduate and undergraduate teams are welcome and will compete for separate trophies. So get your team together, go to the bookstore and get a school pennant and enter. Entry deadline October 15th.

(Questions will cover all Forensic Disciplines)



October 27, 2018 @ 10:30am

Immediately following the Student Forum

Chair: Christopher P. Chaney
Texas Dept. of Public Safety
ChristopherChaney@gmail.com

Co-Chair: Anisha Paul
Vermont Forensic Labs
Paul.Anisha12@gmail.com



**Northeastern Association
of
Forensic Scientists**



**There will be an ABC examination sitting
at the
2018 Annual NEAFS Meeting**

on

Saturday, October 27th

from

8:00 a.m. – 12:00 p.m.

The following are current examinations that are offered:

Comprehensive Criminalistics Examination (CCE)

Drug Analysis (DA)

Molecular Biology (MB)

Fire Debris Analysis (FD)

Hairs and Fibers (HF)

Paints and Polymers (PP)

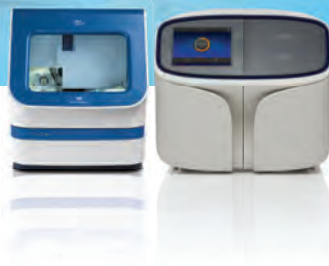
For more information about the examination sitting, please contact Peter Diaczuk at certification@neafs.org.

For more information about the examination and the American Board of Criminalistics, please visit <http://www.criminalistics.com>.

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In Remembrance...



Eric Buel

October 12, 1953 - April 05, 2018

Alburgh:

Eric Buel, 64, of Alburgh, VT, formerly of Middlesex, VT, died April 5, 2018, at the UVM Medical Center following a long battle with lymphoma.

Eric was born October 12, 1953 in Milford, DE, son of the late Josephine (Berretta) and John Walter Buel. He attended The University of Delaware (class of 1975), where he met his wife of 41 years, Laura (Wheeler) Buel.

After spending time in Missouri where Eric attended graduate school at University of Missouri-Kansas City graduating with a PhD in Chemistry in 1979, Eric and Laura moved to Vermont where Eric began work at the Vermont Forensic Laboratory in Waterbury, VT. Eric and Laura settled in Middlesex, where they raised their two children, Keith and Gwen.

Eric enjoyed a long career at the Forensic Laboratory, where he served as the director for 13 years. During his time at the lab, Eric was instrumental in providing expertise for the construction and passing of the Vermont DNA databank law, getting the lab accredited with the American Association of Crime Lab Directors, and overseeing the creation the new Forensic Lab, completed in 2010. Eric served on many boards and organizations during his time at the Forensic Lab and after his retirement in 2011, including the steering committee for the Green Mountain DNA Conference, the New York State Commission on Forensic Science DNA Subcommittee, and the STEM Challenge Initiative board of directors.

Eric was known most for his friendly, cheerful, thoughtful, and caring demeanor, serving as a support for those around him even through his own times of adversity. He served as a role model to his children and many others in his community, acting as a pillar of integrity, hard work, creativity, and positivity. Eric and his family often enjoyed trips to Lake Champlain, which inspired him and his wife to move to Alburgh to be closer to the lake once he retired.

He is survived by his wife Laura Lynn (Wheeler) Buel of Alburgh, his son Keith Buel of Burlington, and daughter Gwen Buel and her husband Jonathan Holdsworth of Frederick, Maryland. He is also survived by his sister Denise Brown, of Lyndonville; his aunt, Constance DiSabatino of Georgetown, Delaware; several nieces, nephews, and a cousin.

Visitation hours will be held on Wednesday, April 11th from 6-8pm at the Heald Funeral Home, 87 South Main St. in St. Albans. The funeral service will be held on Thursday, April 12th at 2pm at Christ Episcopal Church, 64 State St. in Montpelier.

Donations can be made in Eric's name to the Hope Lodges of Burlington and New York City or the Leukemia and Lymphoma Society

.



Have You Been Receiving NEAFS Emails?

We may not have your most recent email address

Providing NEAFS with the most up to date email address helps us get important membership information to you including:

Professional Training Opportunities

Annual Meetings

Dues Payments

You can also let us know if other information should be updated, especially if you have a new professional affiliation or have had a name change.

Please send an email to

Alanna Laureano, Membership Chair at membership@neafs.org

Or Susan Flaherty, Dues Contact at dues@neafs.org

And let us know what should be updated

NEAFS Committee Positions

Corporate Liaison/Exhibits

Contact: Stephanie Minero at exhibits@neafs.org

- Attendance at the Annual Meeting for at least exhibit set up and exhibits day
- E-mail correspondence/solicitation to vendors regarding the NEAFS Newsletter Ads and payments
- Helping to search for and solicit new vendors
- Organization of exhibit contracts and payments on our google drive
- Interested in taking on the Corporate Liaison role, should it be offered (those responsibilities are available on Box.com)

Site Chair

Contact: Janine Kishbaugh at sitechair@neafs.org

- Review information from past meetings to help compile a database of details such as booth numbers, size of rooms, meeting attendance, hotel pick up, etc.
- Work in conjunction with the executive secretary looking back through meeting booklets, contacting previous hotels, etc.
- Interested in taking on the role of Site Chair, should it be offered

Awards

Contact: Betsy Duval at awards@neafs.org

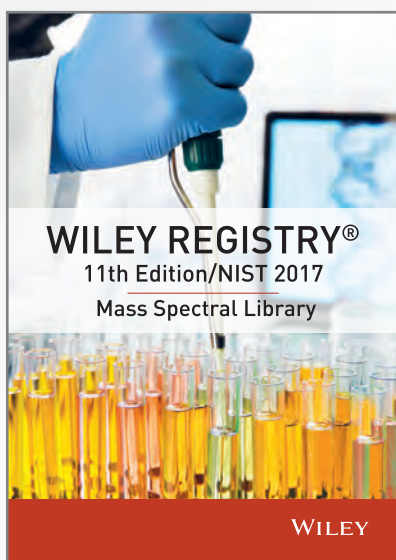
- As a member of the awards committee you will receive and grade applications for the following awards:
 - George W. Neighbor, Jr. Memorial Scholarship (2 awarded, one undergraduate and one graduate)
 - George W. Chin Memorial Scholarship (1 awarded)
 - Carol De Forest Research Grant (2 awarded)
- All applications eligible for review must be received by April 30th (pdf form). The awards chair will then send them to the committee members for assessment.
- Worksheets for grading, along with instructions, will be provided
- After grading is complete those worksheets will be submitted to the awards chair for review. Once reviewed, the applicants with the highest scores from each category will win their respective award and the committee will be notified prior to the winners.
- If there is a tie or a question as to who the winner is, the committee will go back and reassess the selected applicants. All grading must be completed by August 1st.
- In addition, the awards committee aids in the assessment of the applications for the Meritorious Service Award (given annually) and chooses a winner.
- Interested in taking on the role of awards committee chair, should it be offered

Wiley's Spectral Libraries and Databases

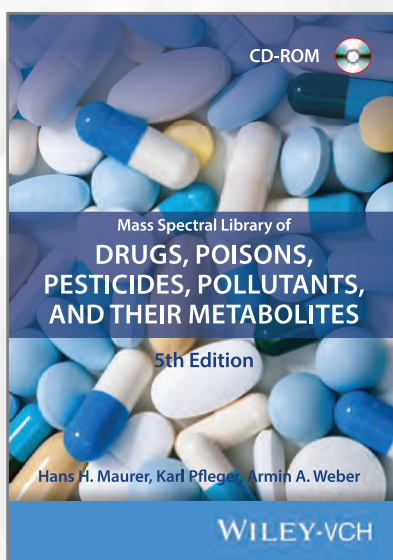
Illuminating Discoveries

Solutions for the Toxicology Community!

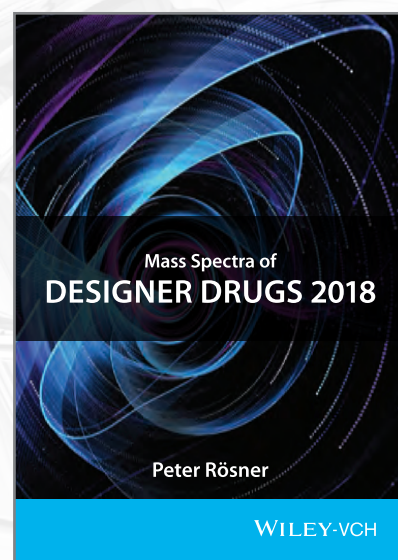
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**Mass Spectral Library of Drugs,
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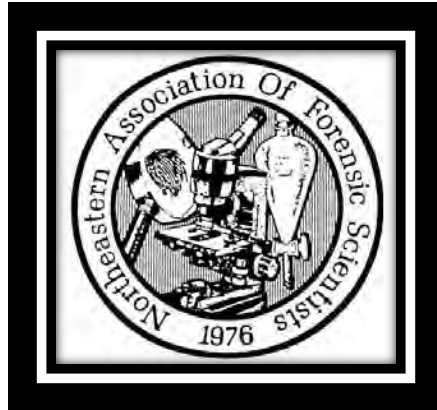


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ATTENTION STUDENTS:

Are you a current full-time undergraduate student in your junior or senior year, or are you either a part-time or full-time graduate student completing his or her degree in a forensic program at a regionally accredited institution located in the Northeastern U.S. (Connecticut, Rhode Island, Massachusetts, New Hampshire, Vermont, Maine, New Jersey, New York, and Pennsylvania)?

Then you are eligible to apply for:

George W. Neighbor Jr. Memorial Scholarship (undergraduate) - Award is \$1750

George W. Neighbor Jr. Memorial Scholarship (graduate) - Award is \$1750

George W. Chin Memorial Scholarship – Award is \$2000

Carol De Forest Forensic Science Research Grants - Award is \$2500

***Note** – eligibility is for both full-time undergraduate and graduate students

**** Note** – Two Research Grants will be Awarded.

All submission materials for either the scholarships or the research grants must be completed, and electronically submitted by April 30th. The 2018 Awards recipients will be notified no later than September 1st.

For more information and Scholarship/Research Grant forms please go to <http://www.neafs.org/>

Questions or comments? Please email Awards@NEAFS.org

NEAFS needs your HELP to fill in the blanks!

Are you an award winner or know someone who was? If so, please contact Elizabeth Duval at awards@neafs.org with any additional information.

NEAFS Awards Winners

2017

George W. Neighbor Jr. Memorial Scholarship Undergraduate – Colton Ames, Duquesne University
George W. Neighbor, Jr. Memorial Scholarship Graduate – Jackie Quito
Carol De Forest Research Grant – Emily Parchuke
George W. Chin Memorial Scholarship – Kaitlin Kruglak
Meritorious Service Award – Andrea Belec-LaJoy

2016

George W. Neighbor Jr. Memorial Scholarship Undergraduate – Olivia Goodwin
George W. Neighbor, Jr. Memorial Scholarship Graduate – Courtney Mower
Carol De Forest Research Grant – Chandler Grant and Elena Zavala
Meritorious Service Award – George W. Chin

2015

George W. Neighbor, Jr. Memorial Scholarship Graduate - Kaitlyn Hess
George W. Neighbor Jr. Memorial Scholarship Graduate – Erica Johnson
Carol De Forest Research Grant – Ashton Lesiak
Meritorious Service Award – David San Pietro

2014

George W. Neighbor, Jr. Memorial Scholarship Undergraduate - Angelica Graver
George W. Neighbor Jr. Memorial Scholarship Graduate - Heidi Campbell
Carol De Forest Research Grant - Emily Meyers
Meritorious Service Award – Peter Diaczuk

2013

George W. Neighbor, Jr. Memorial Scholarship Undergraduate - Emily Fuller
George W. Neighbor, Jr. Memorial Scholarship Graduate - Ashton Lesiak
Carol De Forest Research Grant - Rachel Bower
Meritorious Service Award – Vincent Desiderio

2012

George W. Neighbor, Jr. Memorial Scholarship Undergraduate – Kaitlin Hafer
George W. Neighbor, Jr. Memorial Scholarship Graduate - Daniel Hall
1st Carol De Forest Research Grant – Joseph Iacona
1st Meritorious Service Award – Ted Schwartz

2011

George W. Neighbor, Jr. Memorial Scholarship Undergraduate – Elizabeth Sunderhaus
George W. Neighbor, Jr. Memorial Scholarship Graduate - Kristen Johnson

2010

George W. Neighbor, Jr. Memorial Scholarship Undergraduate – Jennifer Bonetti
George W. Neighbor, Jr. Memorial Scholarship Graduate - Loretta Kuo

2009

George W. Neighbor, Jr. Memorial Scholarship Undergraduate – Michelle Schmidt
George W. Neighbor, Jr. Memorial Scholarship Graduate – [REDACTED]

2008

George W. Neighbor, Jr. Memorial Scholarship Undergraduate – Stacie Kaufman
George W. Neighbor, Jr. Memorial Scholarship Graduate - [REDACTED]

2007

George W. Neighbor, Jr. Memorial Scholarship Undergraduate – Christina Mulligan
George W. Neighbor, Jr. Memorial Scholarship Graduate - [REDACTED]

2006

George W. Neighbor, Jr. Memorial Scholarship Undergraduate – Kathryn O'Brien
George W. Neighbor, Jr. Memorial Scholarship Graduate - Joel Stepanchick

2005

George W. Neighbor, Jr. Undergraduate – April McNearney
George W. Neighbor, Jr. Graduate - Evan Bernier

2004

George W. Neighbor, Jr. Memorial Scholarship Undergraduate – Meghan Miller
George W. Neighbor, Jr. Memorial Scholarship Graduate - Deborah Lark

2003

George W. Neighbor, Jr. Memorial Scholarship Undergraduate – Annette Lopez
George W. Neighbor, Jr. Memorial Scholarship Graduate – Kelley Corcoran

2002

George W. Neighbor, Jr. Memorial Scholarship Undergraduate – John Kristofic
George W. Neighbor, Jr. Memorial Scholarship Graduate - Marc LaFrance

2001

George W. Neighbor, Jr. Memorial Scholarship – Allison Curran

2000

George W. Neighbor, Jr. Memorial Scholarship Graduate – Linda Chiu Rourke

1999

George W. Neighbor, Jr. Memorial Scholarship – Kimerbely A. Parker
George W. Neighbor, Jr. Memorial Scholarship – Vincent J. Desiderio

1998

George W. Neighbor, Jr. Memorial Scholarship – Lisa Malachowski

George W. Neighbor, Jr. Memorial Scholarship – Brandy Blackbum

1997- Awards changed to be called George W. Neighbor, Jr. Scholarship

No awards were given out as all applications received were incomplete.

1989 and 1990 No award given out.

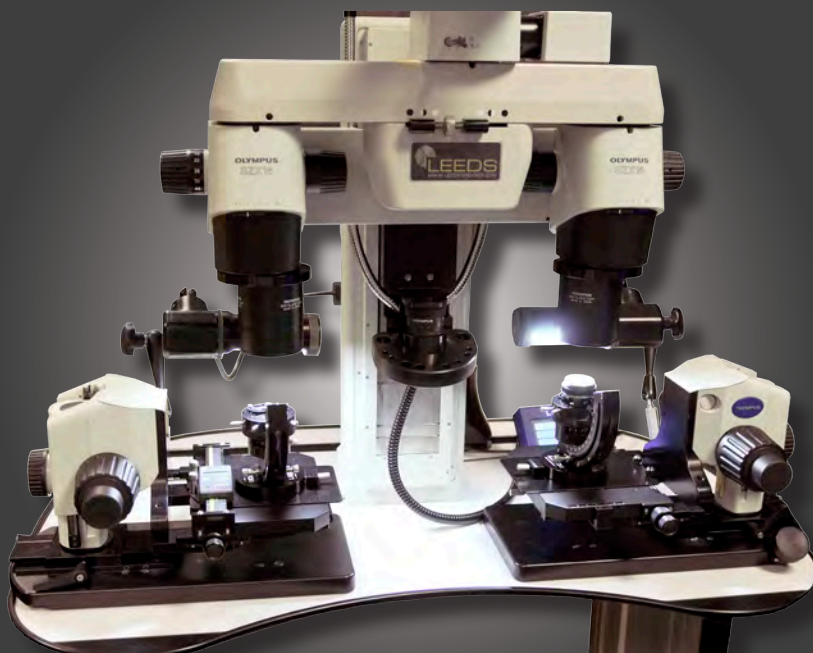


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THE GEORGE W. CHIN MEMORIAL SCHOLARSHIP

NEAFS and the Chin Family



On September 22, 2016, NEAFS lost one of the pioneers of the Association. George had a passion for forensic science and as a self-appointed “God of Trace Evidence”, he liked to share his knowledge and mentor the younger generation. George was one of the co-founders of the Student Forum at NEAFS, where he would teach students about the realities of a job in forensic science. In addition to NEAFS, he was also a life member of the New Jersey Association of Forensic Scientists (NJAFS), a charter member of the American Society of Trace Evidence Examiners (ASTEE), and a member of the American Academy of Forensic Sciences (AAFS) and the New Jersey Homicide Investigators Association (NJHIA).

A graduate of John Jay College of Criminal Justice – City University of New York (CUNY), his professional career spanned 36 years with the New Jersey State Police. When George first started in March of 1980, he was briefly assigned to the Equine Laboratory at the Meadowlands, but quickly transitioned to a position at the North Regional Laboratory, where he was able to grow his love for all things Trace Evidence. George loved his work and helped to educate students about our field. He would routinely take his own time to go and lecture to high schools and attend their career fairs. In addition, George has mentored numerous interns over the course of his career, many of whom have him to thank for their current employment!

George’s graciousness was felt by all who came into contact with him and his passing leaves a huge void in the forensic community and in our hearts.

George’s family has graciously set up this Memorial Scholarship fund in his memory and honor.

THE GEORGE W. CHIN MEMORIAL SCHOLARSHIP

Eligibility requirements for the George W. Chin Memorial Scholarship:

- Currently enrolled in a Forensic Science program
- Full-time undergraduate students in their junior or senior year
- Full or part-time graduate students (limited to first two years for PhD students)
- The student must demonstrate excellence in his/her academic program.

Application requirements:

- Two letters of recommendation (each accompanied with the recommendation form) from Professors involved in the Forensic Science curriculum.
- A letter from the student describing his/her personal aspirations in the Forensics field, achievements and reasons for award consideration. (Minimum of 250 words - maximum of 500 words). This must be provided to the Professors submitting the recommendation letters.
- Applicants should be attending college/university within the area from which the Northeastern Association of Forensic Scientists draws its members (Maine, New Hampshire, Vermont, Rhode Island, Massachusetts, New York, Connecticut, New Jersey, and Pennsylvania).
- Most current academic transcripts.
- Application requirements must be emailed by **April 30th**. Out of fairness to all potential candidates, no exceptions will be made.

Interested candidates should submit the above requirements electronically in a single PDF titled (GWC_Last name_First name_Grad) OR (GWC_Last name_First name_Undergrad) to awards@neafs.org

THE GEORGE W. CHIN MEMORIAL SCHOLARSHIP



Are you a current full-time undergraduate student in your junior or senior year, or are you either a part-time or full-time graduate student or in your first two years of your Ph.D. Forensic Science program? Do you attend a college or university within the area from which NEAFS draws its members (CT, NY, NJ, PA, VT, NH, ME, RI, MA)? Do you demonstrate excellence in your academic program?

If Yes, you are eligible to apply for the George W. Chin Memorial Scholarship!

The award is \$2000.00 as well as Associate membership for one year in the NEAFS organization. Membership will be granted to a current member or active applicant as well as a non-member (the application fee will also be included).

All submission materials for the Memorial Scholarship must be completed and electronically submitted by April 30. The award recipients will be notified no later than September 1.

For more information and to obtain the application forms, go to <http://www.neafs.org>

If you have any questions please email: awards@neafs.org

Northeastern Association of Forensic Scientists

George W. Chin Memorial Scholarship

Application Form

Undergraduate ☐ Graduate ☐ Ph.D. (1st 2 years) ☐ (select one)

Name _____ Email _____

School Residence _____ School Phone Number _____

Home Address _____ Home Phone Number _____

College/Institution _____ Current Year _____

Personal aspirations in the Forensics field, achievements and reasons for award consideration –

Minimum of 250 words and a maximum of 500 words

(Please use the space below and/or attach additional sheets, if necessary)

All applicants must submit the following materials electronically in one pdf file to awards@neafs.org: 1) Candidate application; 2) Two recommendation forms from Professors in the Forensic Science curriculum and corresponding letters; 3) Most current academic transcripts.

All materials must be submitted and received no later than **April 30th**. The winner will be notified no later than September 1st.

NEAFS does not discriminate against any applicant because of race, color, religion, sex, national origin, or physical handicap.

OFFICIAL USE ONLY: Reference# _____ Date Received _____ Initials _____

Northeastern Association of Forensic Scientists

George W. Chin Memorial Scholarship

Recommendation Form

Undergraduate___ Graduate___ Ph.D. (1st 2 years)___(select one)

Candidate's Name_____ Date_____

Professor's Name_____ Signature_____

Title_____ College/Institution_____

Address_____

Phone Number_____ Affiliation with Candidate_____

Please check the appropriate code: O=Outstanding E=Excellent G=Good A=Average BA=Below Average NI=No Information

	O	E	G	A	BA	NI
Knowledge of subject matter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ability to work with others	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Communication skills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Leadership	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reliability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Initiative	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Maturity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Integrity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Attitude	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please feel free to give us any additional comments you feel may be helpful to us. (Attach additional sheets, if necessary.)

I have read the candidate's letter and find it to be true and accurate to the best of my knowledge. ☐ Agree ☐ Disagree

All applicants must submit the following materials electronically in one pdf file to awards@neafs.org: 1) Candidate application; 2) Two recommendation forms from Professors in the Forensic Science curriculum and corresponding letters; 3) Most current academic transcripts.

All materials must be submitted and received no later than **April 30th**.

NEAFS does not discriminate against any applicant because of race, color, religion, sex, national origin, or physical handicap.

OFFICIAL USE ONLY: Reference#_____ Date Received_____ Initials_____



Northeastern Association of Forensic Scientists Meritorious Service Award Nomination Form

The Northeastern Association of Forensic Scientists is accepting nominations for the Meritorious Service Award.

This award is given to a NEAFS member that has a history of providing commendable service to the forensic science community by serving justice through casework, performing research advancing forensic science, training and educating forensic scientists and future forensic scientists, and overall contributions to the NEAFS organization. The nominee must have held the status of Regular Member within NEAFS for at least 10 years to be considered.

In addition to this form, a letter of recommendation outlining the nominee's contributions must be emailed to awards@neafs.org. All nominations must be received by September 1st. The winner of the NEAFS Meritorious Service Award will be announced during the annual meeting.

Nominator

First Name:

Last Name:

Address:

Affiliation:

NEAFS Membership Number:

Phone Number:

Email Address:

Nominee

First Name:

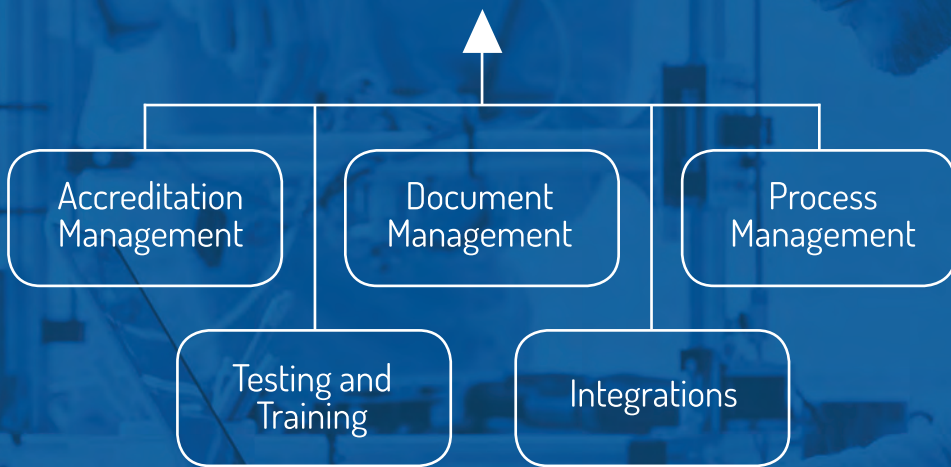
Last Name:

Address:

Affiliation:



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Chris Heartsill is the Quality Manager for the **Tarrant County Medical Examiner's office** and a **Lead Assessor for ANAB**. The ROI he has experienced is clear and compelling. We invite you to read--and listen to--his story.

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Green ountain DNA Conference

The Green Mountain DNA Conference provides a forum for the promotion of education and research while improving practice and encouraging collaboration in the field of forensic sciences.

The 2018 Green Mountain DNA Conference will be held in Vermont from July 30-August 1, 2018. Registration will open at noon EST on 4/10/18.

For more information as it becomes available and to register please visit the Conference web page: <http://vfl.vermont.gov/conference>.

NORTHEASTERN ASSOCIATION OF FORENSIC SCIENTISTS



2019 ANNUAL MEETING

Marriott®
LANCASTER
AT PENN SQUARE

NOVEMBER 12 – 16, 2019



NEAFS Sponsored Workshop

The Shooting Scene Reconstruction workshop

May 21-23, 2018

Held at the Boston Police Department



Live fire was conducted to create additional exemplars for the workshop attendees to evaluate. In addition, the ejection patterns that were created also presented useful data.



Shots to tempered vehicle glass were enhanced by the tinting that kept the weakened glass together for assessment.



Comparison of full metal jacket and hollow point bullet holes in tire rubber.



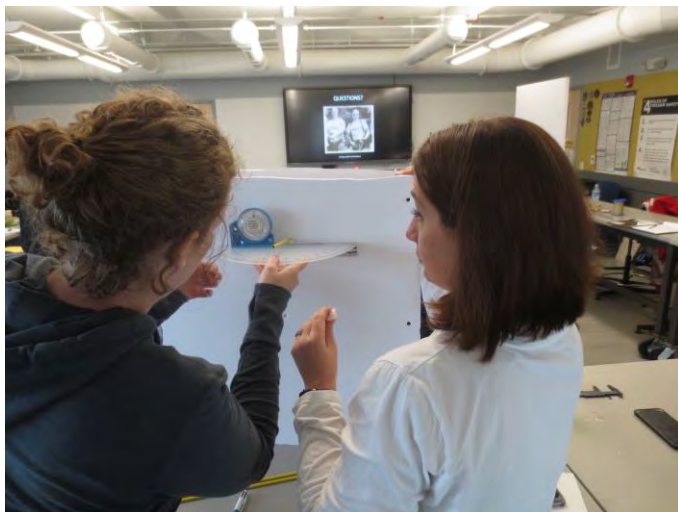
Shots to the vehicle's doors, trunk and hood (shown in photo) with different caliber firearms and at different angles offered useful demonstrations of bullet impacts to painted sheet metal.



Trajectory rod being used to visualize bullet path into side marker lens.



Several substrates were shot prior to the workshop, including this door that was used for one of the practical exercises.



One of a dozen mock walls that were shot in preparation for measuring bullet path angles. Shown here is the protractor, rod, and level, with the next step to introduce the plumb bob.



Pieces of furniture were shot and brought into the classroom for the bullet path angle determination exercise. Instructor Dr. Jack Hietpas (kneeling, right), and assistant Jason Sanderson (crouched on left), offer insight as to how the cabinet was shot.

As with the above image, the walls are being assessed for bullet angles. Numerous car parts are in background on table for subsequent exercises.





Workshop attendees were divided into small groups to tackle the numerous practical exercises.

Stereo microscopes were used to observe nuances of synthetic fiber damage from bullets and to compare propellant particles from different types of ammunition (two of many disassembled cartridges can be seen on right).



Dr. Hietpas explaining how we planned the shotgun distance determination exercises.



Jason Sanderson showing one of the angular shotgun patterns he made.



Chromophoric tests to determine bullet impacts were demonstrated and incorporated into hands-on experiments.



Loading and unloading the van was a project in itself.



Dr. Adam Hall and Dr. Hietpas comparing three witness panels used for the angle pattern examples.

Dr. Hietpas and Peter Diaczuk taught the Shooting Scene Reconstruction workshop, with assistance from Jason Sanderson. Jason recently received his Masters from Penn State and assisted both in the preparations in the weeks before the workshop, and participated in the workshop itself. We brought an entire van full of demonstration items and exercises for the entire class to perform. Xiao Shan Law, a Penn State graduate and NEAFS member, cross-sectioned bullet types using a diamond saw for students to examine.

Kathryne Hall made the arrangements with the Boston Police range. The officers at the range facility were incredibly supportive in every step of the workshop. They not only made their classroom available, but the shooting range as well. This provided a huge opportunity to maximize the hands-on component of the workshop.

NEAFS Visiting Scientist Program

Any private or public forensic science laboratory in the NEAFS geographical area needing technical, scientific, or training assistance may apply to the NEAFS Visiting Scientist Program.

Upon request, NEAFS will make a good faith effort to find a qualified individual(s) to come to the laboratory and provide the assistance. The person(s) selected will be agreed upon between NEAFS and the laboratory. Preference may be given to subject matter experts within the NEAFS membership. NEAFS will subsidize up to \$5,000 for the visit which can be up to 5 working days in duration. Travel logistics will be arranged by the laboratory in conjunction with both the visiting scientist and NEAFS.

At least one NEAFS member must be in attendance.

Interested laboratories shall complete the attached application and email it to the NEAFS Education Chairperson at education@neafs.org. Applications should be received at least 6 months in advance of the anticipated date(s) of the visit. The contact person can expect to be informed by the Education Chair of the approval or denial of the request within 30-60 days of receiving application.

The number of quality hours for those claiming continuing education credit as a result of the training will be determined by the instructor(s).

NEAFS Visiting Scientist Request Form

Laboratory: _____

Laboratory Director/Manager: _____

Address: _____

Contact: _____

Phone: _____

Email: _____

Request (Be Specific):

Do you have a particular individual(s) who you wish to be the visiting scientist?

Approximate desired date(s) of visit: _____

Number of individuals attending the training: _____

*Visit neafs.org
under the
merchandise
tab!*



GET YOUR NEAFS GEAR!

2018 Training Scholarship Fund

The Northeastern Association of Forensic Scientists (NEAFS) is proud to offer its members a 2018 Training Scholarship Fund. Regular members, in good standing, are eligible to receive up to \$200 towards training, workshop or non-NEAFS meeting registration expenses. Detailed instructions and application forms are available on the NEAFS website. Simply click the “Training” link at the top of the screen and scroll down to the “NEAFS Training Scholarship Forms”. The current application period is January 1st, 2018 to December 31st, 2018. Reimbursements will be issued on a first come, first serve basis and funding is limited. If you plan to attend a non-NEAFS meeting workshop, training or course during this application period and will not be funded by your agency or any other non-NEAFS related entity, we highly encourage your swift application for the 2018 Training Scholarship Fund. Please visit the NEAFS [training](#) website to take advantage of this great NEAFS opportunity and to view upcoming training opportunities!

Upcoming Training

July 2018



Fire Debris Analysis for the Forensic Chemist



The Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF) will be offering two fire debris training courses for state and local government laboratory analysts. *Introductory Fire Debris Analysis for the Forensic Chemist* is a four-day course designed for analysts in the early stages of fire debris training or with less than a year experience in conducting fire debris analysis casework. *Advanced Fire Debris Analysis for the Forensic Chemist* is a course designed for analysts with more than three years of experience in conducting fire debris casework. These tuition-free courses will be offered on alternating years at the ATF Forensic Science Laboratory – Washington in Beltsville, Maryland.

Introductory Fire Debris Analysis for the Forensic Chemist covers the basic theory and concepts analysts need to understand in order to help them gain initial competency from their agency. Classroom learning will be enhanced with hands-on exercises and small group assignments.

Advanced Fire Debris Analysis for the Forensic Chemist expands upon the topics covered in the *Introductory* course; provides additional analytical tools and considerations for fire debris analysis; and introduces concepts in fire science.

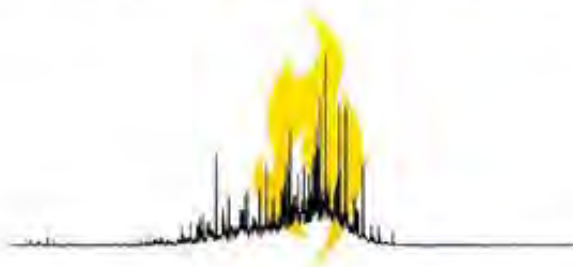
Course Offerings

July 23-26, 2018: *Introductory Fire Debris Analysis for the Forensic Chemist*

2019: *Advanced Fire Debris Analysis for the Forensic Chemist*

Although the classes are tuition-free, travel costs and per diem expenses are the responsibility of the student or student's agency.

Please contact **Raymond Kuk** at **202-648-6140** or Raymond.Kuk@atf.gov with any questions or to apply for the upcoming *Introductory Fire Debris Analysis for the Forensic Chemist* course.



August 2018

F.I.R.S.T., Tripwire Operations Group, LLC, Gettysburg, PA Mass Disaster and Post Bomb Blast Scene Recovery August 6-10, 2018

The goal of the course is to provide participants with a working knowledge of how to conduct the most efficient and effective processing of a large-scale disaster scene involving multiple human victims. Nationally-recognized standards (Weldon Spring and Clarence Center Protocols) developed, tested, and published by the course directors will be presented and demonstrated. The course will begin with a history of past recovery efforts at incidents such as the USAir Flight 427, ColganAir Flight 3407, and United Flight 93 (9/11), followed by an in-depth discussion of prioritization of the various types of evidence associated with these incidents and scenes. Considerable time will be spent demonstrating and utilizing the multiple levels of scene mapping equipment including electronic total stations, high-end GPS units, 3D scanners, and mapping and documentation drones. A mock scene involving the detonation of a vehicle with animal proxies within will serve the purpose of allowing participants to implement all protocols and techniques discussed through the use of all mapping and documentation equipment in order to process the large-scale disaster scene.

Course Participants: Individuals over 21yrs of age, fire fighters, law enforcement, jurisprudence, Natural Sciences graduate students.

Primary Course Instructors: Dennis C. Dirkmaat, Ph.D., D-ABFA; Michael J. Hochrein (FBI, ret), and Ryan Morris, CEO of Tripwire Operations Group, LLC

Course Link: <http://store.tripwireops.org/massdisasterandpost-blastscenerecovery.aspx>

Bloodstain Pattern Analysis on Fabrics with an Introduction to Digital Casework Workshop CSI Academy of Florida, Alachua, FL, www.csiacademyflorida.com August 20-24, 2018

Workshop participants will participate in practical exercises to enhance their ability to interpret complex bloodstain patterns deposited on fabrics, textiles and clothing. This will be accomplished by the participant's dripping, splashing and transferring liquid blood onto fabrics, textiles, and clothing and observing the macroscopic and microscopic interaction of the blood with the substrate. Workshop participants will also learn to evaluate bloodstain evidence from digital files by working on cases provided in a digital format. In addition, the participants will receive training in the writing of bloodstain pattern analysis reports. Workshop Description: <http://noslowforensic.com/new-page/>

Instructor: Toby L. Wolson, M.S., F-ABC, Noslow Forensic Consultation, LLC, E-mail: Toby.Wolson@gmail.com

Further information about this workshop can be obtained at the following website: <http://noslowforensic.com/new-page/> or by contacting Toby Wolson (Toby.Wolson@gmail.com).

October 2018

Advanced Bloodstain Pattern Analysis Workshop

Chesterfield Police Department, Eanes-Pittman Public Training Center, 6610 Public Safety Way, Chesterfield, VA
October 29 - November 2, 2018

This advanced level course is designed for practitioners who have successfully completed basic instruction in Bloodstain Pattern Analysis and desire to build on that fundamental knowledge while working toward expertise in the discipline. This workshop will begin with a brief review of the basic concepts and will continue with the student applying those concepts in the analysis of a digital case file* with report generation and verbal defense of findings.

Mock crime scenes with the associated clothing and physical evidence, will also be completely analyzed from documentation and stain selection through report writing. In doing so, the entire BPA methodology will be practiced and employed, including the consideration of autopsy findings and forensic biology reports. Case specific limitations, quality assurance and context bias will also be addressed throughout the workshop. Workshop Description: <http://noslowforensic.com/new-page/>

Instructors: Toby L. Wolson, M.S., F-ABC, Noslow Forensic Consultation, LLC, Email: Toby.Wolson@gmail.com and LeeAnn Singley, Grayson Singley Associates, LLC, Lsingleygsa@msn.com.

Further information about this workshop can be obtained at the following website: <http://noslowforensic.com/new-page/> or by contacting Toby Wolson (Toby.Wolson@gmail.com).

December 2018

Introductory Bloodstain Pattern Analysis Workshop

Miami-Dade Public Safety Training Institute (MDPSTI), 9601 NW 58th St., Doral, FL 33178
December 3-7, 2018

Violent crimes usually result in bloodshed. When physical forces act upon liquid blood, patterns will be deposited on the various items at the crime scene, as well as the clothing of the individuals present during the activity. These patterns can yield valuable information concerning the events that lead to their creation. The information can then be used for reconstruction of the incident, as well as to evaluate the statements of the witnesses and the crime participants. Bloodstain pattern evidence can be of value in the investigation of any violent crime in which bloodshed occurs. Workshop Description: <http://noslowforensic.com/new-page/>

Instructor: Toby L. Wolson, M.S., F-ABC, Noslow Forensic Consultation, LLC, E-mail: Toby.Wolson@gmail.com

Further information about this workshop can be obtained at the following website: <http://noslowforensic.com/new-page/> or by contacting Toby Wolson (Toby.Wolson@gmail.com).

Visit www.neafs.org for trainings available in 2019.



NORTHEASTERN ASSOCIATION OF FORENSIC SCIENTISTS 2018 TRAINING SCHOLARSHIP FUND

OPEN APPLICATION PERIOD: JANUARY 1st, 2018- DECEMBER 31st, 2018

APPLICATION REQUIREMENTS

The Northeastern Association of Forensic Scientists (NEAFS) is proud to offer its members a Training Scholarship Fund (TSF). **Members in good standing are eligible to receive up to \$200 towards training**, workshop or non-NEAFS meeting registration and travel expenses. Individuals will only be allowed reimbursement once per application period. Any NEAFS Annual Meeting expenses are ineligible to receive funding. Reimbursement will occur upon receipt of a certificate showing successful attendance and completion of the course along with an article summarizing the course for the NEAFS newsletter.

APPLICATION INSTRUCTIONS

Applicants must submit a *Pre-Approval Application* prior to attending the training for which they wish to obtain funding. All applications must be complete with a brief course description, statement as to how the applicant will benefit from attending the training and justification for receiving funding (i.e. insufficient employer funding or continuing education requirements).

Notification will be given to each applicant upon receipt of the *Pre-Approval Application*. This notification lets the applicant know that their submission has been received by the **Awards Chair at NEAFS** and is being reviewed. Applicants can expect to be informed of the acceptance or rejection of their application within 60 days of receiving this *Pre-Approval Application* notification.

Upon successful attendance and completion of the training, all pre-approved applicants must submit a *Reimbursement Application* along with supporting documentation. Whenever possible, a certificate should be provided as proof of attendance and completion. If a certificate is not issued, or is unavailable, a letter from the organizer/instructor verifying the applicant's successful attendance and completion shall suffice. Each Training Scholarship Fund recipient is required to contribute to NEAFS and its members by publishing a written article in the Newsletter. *Reimbursement Applications* will only be considered complete when accompanied by a 1000-word (minimum) course summary.

All application materials can be found on the NEAFS website. Please submit all inquiries, applications and supporting documentation to: awards@neafs.org.



NORTHEASTERN ASSOCIATION OF FORENSIC SCIENTISTS

TRAINING SCHOLARSHIP FUND

PRE-APPROVAL APPLICATION

Instructions: To be completed prior to attending the workshop/meeting eligible for reimbursement.

Applicant Information

First Name: _____ Last Name: _____
 Organization/Agency: _____
 Street: _____
 City: _____ State: _____ ZIP Code: _____
 Phone: _____ Fax: _____ E-Mail: _____
 NEAFS Member Number: _____
 ABC Status: Diplomat Fellow Board Member Affiliate Exam Committee

Training Information

Course Title: _____
 Sponsor/Host Organization: _____
 Meeting Dates & Times: _____
 Location: _____ Travel Dates & Times: _____
 Course Description: _____

 Attendance Benefit to Applicant: _____

Expenses

Registration Cost: _____ Travel Cost: _____
 Justification for Reimbursement: _____

Will you be reimbursed by your agency or any other non-NEAFS related entity for any expenses incurred as a result of attending the above training? Yes No

If "Yes", provide funding agency and amount: _____

Have you been funded to attend all or part of a workshop or training course this year? Yes No

If "Yes", provide cost of workshop(s)/training(s) attended and amount compensated: _____

FOR OFFICIAL USE ONLY: Reference #: _____ Date Received: _____ Initials: _____



NORTHEASTERN ASSOCIATION OF FORENSIC SCIENTISTS

TRAINING SCHOLARSHIP FUND

REIMBURSEMENT APPLICATION

Instructions: To be completed upon successful completion of the workshop/meeting approved for reimbursement.

Applicant Information

First Name: _____ Last Name: _____
 Organization/Agency: _____
 Street: _____
 City: _____ State: _____ ZIP Code: _____
 Phone: _____ Fax: _____ E-Mail: _____

Training Information

Course Title: _____
 Sponsor/Host Organization: _____
 Meeting Dates & Times: _____
 Location: _____ Travel Dates & Times: _____
 Instructor/Organizer: _____
 Phone: _____ Fax: _____ E-Mail: _____

*If applicable, provide proof of attendance and successful completion by attaching a certificate to this form.

NOTE: Each applicant must write a 1000-word (minimum) course summary to accompany this form. Applicants awarded full or partial workshop reimbursement will have their course summaries published in the NEAFS Newsletter. The preferred format is a Microsoft Word document. Reimbursement applications submitted without a course summary will be considered incomplete and ineligible for reimbursement.

Reimbursement Information

Expense(s) Incurred: _____

*Applicants must provide proof of payment for each expense listed on this application.

Will you be reimbursed by your agency or any other non-NEAFS related entity for any expenses incurred as a result of attending the above training? Yes No

If "Yes", provide funding agency and amount: _____

FOR OFFICIAL USE ONLY: Reference #: _____ Date Received: _____ Initials: _____

Historical facts – NEAFS

- “NEAFS was founded in 1975 by a group of dedicated forensic scientists dedicated to improving the professional status and technical capabilities of individuals engaged in all phases of forensic science.” “To accomplish its goals, NEAFS conducts continuing education seminars featuring workshops and special training sessions. The Annual Meeting...presents a contagious atmosphere of scientific exchange and social congeniality.” Mark Lewis, President 1980
- The first Editor of the newsletter in 1976 was R.E. Gaensslen
- The first meeting of the Executive Board was on May 1, 1976 by President Angelo Fatta. Also in attendance were Vincent Crispino, R.E. Gaensslen, Thomas Kubic, Carl Moller and Alexander Stirton.
 - On this first meeting, it was stated that there were 211 members and this number included applicants. Six of those members were upgraded to Regular members.
 - The first annual meeting was being discussed. The annual meeting was to be a one day meeting on or about October 23, 1976. Tentative sites were John Jay College or C.W. Post College. The schedule was: 8am-12pm Coffee and Registration, business meeting and split sessions; Lunch; 1pm-5pm two general interest talks, split sessions, mixer and dinner. The split sessions included serology, microscopy, arson, toxicology and drug identification. The general interest talks would be short and would be concerning aspects of forensic science that would be unfamiliar or unusual to most members.
- NEAFS was incorporated by the State of Connecticut on May 12, 1976. Vincent Crispino, Thomas Kubic and Henry Lee were the Incorporators.
- The NEAFS newsletters were published by the Forensic Sciences Foundation which was located in Maryland.
- A joint meeting was held on April 15-16 with MAAFS in New Jersey as well as the Annual Meeting of NEAFS on October 29th in 1977.
- Dr. Peter De Forest chaired the Hairs and Fibers Session during the Second Annual Meeting. Alexander Stirton chaired the Serology Session and Dr. Jesse Bidanset chaired the Toxicology Session during the Second Annual Meeting.
- The newsletters included information from other regional organizations as well as NEAFS.
- In 1977, the BOD acted as an ad hoc Education Committee and set up two courses entitled: “Forensic Microscopy” and “Introduction to the Forensic Applications of Infrared Spectroscopy”.
- A luncheon was held during the 3rd Annual meeting of NEAFS and consisted of salad, a choice of roast beef or filet of sole, dessert and a beverage for \$6.00. Cocktails were \$1.50 and beer and wine were \$1.00.
- In 1978, the annual meeting was increased to a two day program instead of one day.
- George Neighbor volunteered to chair the Paint analysis program for the 1978 Annual Meeting.
- In 1978, NEAFS sponsored a training course entitled “Basic Bloodstain Analysis” and it was taught by Dr. Henry Lee, Dr. R.E. Gaensslen and Dr. Peter De Forest. This course was held at the University of New Haven.
- George W. Neighbor was the Secretary of NEAFS in 1978.
- Thomas A. Kubic was voted in as a Life Member of NEAFS while he was President in 1978.
- In 1979, Chris Chany was approved to become a Provisional member from a student member and Peter Diaczuk was approved to be a Corresponding member.
- George W. Neighbor was President-elect in 1980.
- Travel reimbursement for mileage was 17 cents/mile in 1980.
- NEAFS had 400 members in 1980.
- In May 1980 in Louisville Kentucky, NEAFS participated in the first multi-regional association meeting.
- George W. Neighbor had a BA degree in Chemistry from Rider College and a MS in Forensic Science from John Jay College. He worked as a Principal Forensic Chemist for the NJSP in the North Regional Laboratory in Little Falls, NJ where he supervises the trace evidence and bio-chemical units. Prior to working with the NJSP, He has

twenty years of industrial research experience in materials analysis. He served as Secretary for two terms (1978-79) and was a member of the AAFS and the Forensic Science Academy. George became President of NEAFS in 1981 – the 7th year in NEAFS history. George stated at the end of his President's message in the March 1981 newsletter "Now you can call me George, or you can call me G.W., or you can call me George W., or you can call me Hi Neighbor". In 1989, George presented "Trace Evidence Never Grows Old" during the Criminalistics Session.

- In 1997, the Scholarship award was renamed the George W. Neighbor Jr. Memorial Scholarship
- In 1980, the Annual Meeting budget was \$2000.
- 1980 Goals of NEAFS
 - Exchange ideas and information among professionals in the field
 - Promote recognition of forensic science as an important part of the justice system
 - Sponsor and organize seminars, workshops, and special training sessions
 - Represent the membership on national issues affecting forensic science
 - Encourage research and development
 - Stimulate implementation of new methods and techniques
 - Establish professional standards
 - Provide advice on educational curricula, legislation and other matters affecting the profession
 - Arbitrate professional disputes
 - Foster friendship and collegiality among the forensic scientists of the Northeast
- For the 10th Annual Meeting, the room rate was \$55 (single or double).
- The 12th annual meeting was the first meeting held in New England in Peabody, MA. A clam bake was scheduled.
- The door prizes that were given out at the 11th Annual Meeting were a Commodore 64 Computer, Cannon AE1 Camera, Reflecting Telescope and an AM-FM radio.
- Our current method of visiting the exhibitor booths and obtaining confirmation of the visit goes back to at least the 9th Annual Meeting in 1983.
- The door prizes given out at the 14th Annual Meeting which was donated by Perkin-Elmer were a Video Cassette Recorder, Compact Disk Player, Scientific Programmable Calculator, Cordless Telephone and a Sony Walkman.

Congratulations to Keri L. Dewar

Keri L. Dewar is a Forensic Scientist II in the Drug Unit with the Massachusetts State Police Laboratory. Earlier this year Keri was informed that her certification as a Comprehensive Criminalistics Fellow had been approved by ABC Board of Directors of the American Board of Criminalistics.

NEAFS would like to congratulate her on this achievement and wish her continued success.

Keri passed the ABC examination and took advantage of the Certification Reimbursement offered to NEAFS members. You can too. See below for more information.

Certification Reimbursement

The NEAFS Board of Directors has voted to reimburse the American Board of Criminalistics and International Association for Identification exam sitting fees for five NEAFS members (regular or associate) in good standing who pass the ABC or IAI exam. This offer is for any exam completed in 2018. There will be an ABC exam offered at the NEAFS Annual meeting. After passing the examination, please fill out the Certification Reimbursement Form (www.neafs.org) and email the completed form with proof of passing the exam to the NEAFS Certification Chair Peter Diaczuk at certification@neafs.org. The reimbursement is based on a first come first served basis. Remember you must pass the ABC or IAI exam to be considered for reimbursement.