



CRIME SCENE - DO NOT CROSS

New York Division of the International Association for Identification

2015 Educational Conference

Crowne Plaza Hotel, Syracuse, NY

October 9-11, 2015

Visit us online at www.nyiai.org for more information

Find us on Facebook: www.facebook.com/ny.iai and on LinkedIn!



Welcome to the 2015 educational conference of the New York Division of the International Association for Identification! The New York Division has seen a lot of changes again this year, and the highlight is the educational conference.

This year we return to Syracuse to continue to success we achieved at last year's conference! We have many new lectures and workshops this year, along with an extended vendor area and business meeting. At the cocktail reception Friday evening we will open a gallery of exhibits taken by the Forensic Photography students, arranged by NYIAI 2nd Vice President Cathryn Lahm, which will remain on display in the vendor area through the conclusion of the banquet Saturday evening. At our banquet this year we are honored to have Mr. Steven Johnson, the 2014-2015 IAI President as our special guest!

Our mission at the conference is to give all of our attendees a chance to gain some experience and knowledge through the program that will be offered. As a part of our continued collaboration with the other IAI Divisions and organizations, we are welcoming **all members** of the various IAI Divisions as our own this year! As always, thank you for your support of the New York Division this year, and we welcome any feedback you may have regarding the conference or the Division at large.

An important initiative for the New York Division is to increase the involvement of students that are pursuing a degree to enter into the forensic science or investigative field. Last year's conference was a great success in no small part to the participation of our student body. We have offered our students an opportunity to attend the conference to gain some experience and knowledge of the forensic settings. I welcome all students to attend our conference this year, and encourage our attendees to speak with the students and continue their education through the experience gained in the field.

The officers and I welcome your participation at this year's conference, and invite you to take full advantage of the program that is being offered. Please visit our exhibitor area on Friday and Saturday to take advantage of the programs and services that they can provide to your agency. I encourage you to speak with them and see what they have to offer! Our hope is that you enjoy the program that the Division has prepared, and leave the conference in possession of new ideas and knowledge to return to your agencies. If at any time, you have questions about the schedule or locations, please contact us, or ask one of the volunteers at the event.

Thank you,



Andrew Reitnauer, President
NYIAIPresident@gmail.com



Accommodations:

The 2015 New York Division of the IAI Conference will be held at the Crowne Plaza Hotel in Syracuse, NY from October 9-11, 2015. The hotel has offered the Division a discounted room rate for reservations, and will be hosting many of the social events throughout the conference. Attendees may reserve a (1) bed king room or (2) double beds room at a rate of \$119 per night. Reservations may be made by calling the hotel at (866) 305-4134, and mention the block code of “New York Division of the IAI”. All Parking fees have been waived by the Crowne Plaza for the conference attendees. The Crowne Plaza has also set up a specific weblink for online reservations. Please copy this address into your browser for reservations:

<http://www.crowneplaza.com/redirect?path=hd&brandCode=cp&localeCode=en®ionCode=1&hotelCode=SYRCP& PMID=99801505&GPC=IAI>

Please visit their website at www.cpsyracuse.com for additional information. When reserving, you must inform the hotel reservationist that you are attending the New York Division Conference.

Hotel Information:

The registration for both accommodations and the conference events will be held at the Crowne Plaza. In addition to registration, the Syracuse Area Visitor’s Bureau will be on site to assist the attendees with any information regarding directions, places to visit, area information, and more. The Crowne Plaza will also be supplying some transportation for the conference to and from Syracuse University. A schedule will be provided upon check in, and can be found in the lobby area. The hotel lists several amenities to its guests that include:

- 276 Luxury Rooms and 3 Spacious Suites
- 10 ADA Compliant Rooms
- Dining at Redfield’s Restaurant
- Library Lounge
- Meeting and Event Space
- Business Center
- Room Service
- Executive Lounge
- Complimentary Fitness Center
- Same Day Dry Cleaning and Laundry on Weekdays
- Eco-Friendly Housekeeping Services
- Concierge Services
- Internet Access
- Airport Shuttle Service
- Convenient Location near Syracuse University

Locations:

Upon registration, attendees will be given a list of events and locations occurring throughout the duration of the conference. In addition, every morning a schedule will be posted in the hotel lobby for your information.

2015 Conference Registration

Also available online at www.nyiai.org/onlineregistration.html

The educational conference will be two (2) class sessions running concurrently. All attendees are welcome in any session, and we request that you sign in at the beginning of class. There will also be an asterisk (*) on this form to indicate a limited number of participants. These workshops will be filled on a first come, first serve basis.

There are both lectures and workshops available. Workshops may have limited seating, and the status of the class will be listed at the beginning of each day. During each day of the conference, there will be more than one session running concurrently focusing on a different topic. Each morning a schedule of events and daily information will be posted in the lobby.

There are several options for those in attendance. These fees can be paid online, or via USPS mail. The online registration will also have links to the various registrations, payable through PayPal.

Students: \$100 (three days), Students may register for the conference at any time. If indicated on the registration form, a waitlist will be compiled on a first come, first serve basis for acceptance to workshops. This year the registration fee will include attendance at both the cocktail social Friday evening and the Divisional banquet on Saturday. A single day attendance rate of \$50 is also available and does include attendance at a social event, if on the same day as registration. We also encourage our student attendees to volunteer during the conference. Please email NYIAIConference@gmail.com if you are willing to assist us, and indicate what time(s) you may be available.

New York Division Members: \$150 (three days), Members may register for any workshops that they wish to attend. In addition, a full conference registration includes the opening night reception and the student poster session. **All IAI Division members may register as a member at this year's conference.** A single day attendance rate of \$60 per day is also available to Division Members. The single day rate does include admittance to the social events, if on the same day of registration.

Non-Division Members: \$200 (three days), Non- Members may register for any workshops that they wish to attend. In addition, a full conference registration includes the cocktail reception and the Divisional banquet. A single day attendance rate of \$75 per day is also available to Non-Division Members. The single day rate does include admittance to the social sessions, if on the same day of registration.

*New York State Division of the
International Association for Identification*

MEMBERSHIP APPLICATION

Also available online at: www.nyiai.org/application.html

I hereby make application for () ACTIVE () ASSOCIATE MEMBERSHIP
(see bottom of application) in the New York State Division of International
Association for Identification, in accordance with its Constitution and By-
Laws, and agree to be bound therewith.

I am transmitting \$20.00 Annual Dues with this Application.

Last Name: _____ First Name: _____ MI: _____ Date of Birth: _____

Preferred Mailing Address: Home _____ Work _____

Home Address: _____

Home Phone#: _____ Cell Phone# _____ E-Mail Address: _____

Mail Completed Application to:
NYS IAI
Janet Hoin, Sect/Treasurer
13 King Street
Albany, NY 12203

Rank or Title: _____

Business Name: _____

Business Address: _____

Business Phone: _____ Fax#: _____

Field or Specialty: _____

Recommended by: _____
(signature of Member in good standing)

Address of member making recommendation: _____

If a member of Association is not known please give two character references. (Must be personally signed by each one)

Name	Address	Business or Occupation
1.		
2.		

ACTIVE MEMBERS. Sec. 2 The Active membership; of the Association shall consist of Superintendents, or Officer, in charge of Bureaus of Identification, Sheriffs, Chiefs of Police, and all other persons engaged in the science of identification and investigation, and who are bona fide employees of and receiving salaries wholly, or in part, from National, State, County or Municipal governments or sub divisions thereof. Any active member shall not lose his/her active status because of retirement or change of position so long as he maintains continuous membership.

Associate Members. Sec. 3 All reputable persons, wholly or partially engaged in any of the various phases of the science of identification or investigation, and who are not qualified for Active membership, are eligible to become Associate members . They shall in all respects be subject to the same rules, fees and charges, and entitled to the same rights and privileges, as Active members, except that they shall not be entitled to the office of Vice President or President.

Revised: November 2013

Conference Registration Form

Name: _____ Agency: _____
Address: _____ Phone: _____
City: _____ E-mail: _____
State: _____ Zip: _____ NYIAI Member?: Yes: _____ No: _____

Type of Registration:

Member- Full 3 Day Registration (\$150) _____

Non-Member- Full 3 Day Registration (\$200) _____

Student- Full 3 Day Registration (\$100) _____

Daily Registrations:

Member Daily (\$60/day) _____ Dates of Attendance: _____

Non-Member Daily (\$75/day) _____ Dates of Attendance: _____

Student Daily (\$50/day) _____ Dates of Attendance: _____

Will you be attending the Friday cocktail social? Yes: _____ No: _____

Will you be attending the Divisional banquet? Yes: _____ No: _____

Are you interested in volunteering at the conference? Yes _____ No _____

****Class Schedules may change dependent on instructor availability and registration**

Friday, October 9, 2014

*Distortion in Latent Prints _____ (2:00-5:00, 15 participant limit)

Method of payment:

Check payable to New York Division of the IAI: _____ Amount Enclosed: \$_____

Payments may be made online at www.nyiai.org/onlineregistration.html by entering the total amount of registration fees through PayPal. Registration and conference information may be picked up at the registration desk of the Crowne Plaza Hotel. A schedule of available hours will be available in the hotel lobby.

Please Mail completed registration forms and payment to:

New York Division of the IAI
c/o Andrew Reitnauer
603 High Street
Port Jefferson, NY 11777

For questions please visit our website at www.nyiai.org or email NYIAIPresident@gmail.com

Thank you, and we will see you in Syracuse!



Schedule of Events

Thursday, October 8, 2015

Upon check in at the Crowne Plaza Hotel, we will have some preliminary information available for you. In addition, the New York Division will have a registration table available from 6:00-8:00. Vendors may also begin their setup. Members of the New York Division and guests are welcome to visit the Library Lounge in the hotel for a “meet and greet” session.

Friday, October 9, 2015

7:00AM-8:00PM: Registration area will be open in the Cazenovia Room. New York Division Merchandise will be available for purchase.

7:00AM-8:00AM: Breakfast and Opening Meeting in the. Continental Breakfast will be available, Meeting will begin at 8:00AM.

8:00AM-11:00AM: Macro Photography Using Lighting, Alternate Light Sources and Filters, presented by Cathryn Lahm and Andrew Reitnauer. Sponsored by Foster Freeman.



8:00AM-12:00PM: National Missing and Unidentified Persons System (NamUS) Presentation, Presented by Ronald Brunelli.

11:00AM-1:00PM: Bloodstain Detection on Fabrics Using an Alternate Light Source, presented by Craig Moore. Sponsored by Foster Freeman



12:00PM-1:00PM: Jack the Ripper: A Crime Analyst's View, Presented by Robert Milne

1:00PM-2:00PM: Lunch on your own

2:00PM-5:00PM: Deciphering Latent Print Distortion, presented by David Tate and Jesse Eller

- 2:00PM-3:00PM: Impression Evidence, presented by Jennifer Tripoli
- 3:00PM-5:00PM: Forensic Document Examination, presented by Jeffery Luber
- 5:00PM-6:00PM: Open Vendor Area
- 6:00PM-8:00PM: Student Forensic Photography Gallery and Cocktail Social

Saturday, October 10, 2014:

- 7:00AM-8:00AM: Continental Breakfast
- 8:00AM-11:00AM: Error Detection and Management in Forensic Digital Imaging, presented by David “Ski” Witzke. Sponsored by Foray Technologies.



- 8:00AM-10:00AM: Crime Scene Processing, Presented by Jennifer Tripoli and Jeffery Luber
- 10:00AM-11:00AM: Forensic Art, presented by Danielle Gruttadaurio
- 11:00AM-12:00PM: Vendor Break
- 12:00PM-1:00PM: Lunch on your own
- 1:00PM-5:00PM: Obtaining Suitable Quality Exemplars from Compromised Friction Ridge Skin, presented by Linda Manigault and Dennis Percopo
- 1:00PM-3:00PM: Bias within Latent Print Examination, presented by John Carey and Eric Smith
- 3:00PM-5:00PM: Electrostatic techniques in the finding and recovery of dust marks, Presented by Grahame Sandling. Sponsored by CSI Equipment.



- 5:30PM-6:00PM: New York Division Business Meeting
- 6:00PM-9:00PM: New York Division banquet, Guest Speaker Steven Johnson

Sunday, October 11, 2015:

9:00AM-11:00AM: Latent Print Comparisons, Presented by Janet Hoin and Bonnie Eden

9:00AM-12:00PM: Digital Imaging Tips and Techniques, presented by David “Ski” Witzke.
Sponsored by Foray Technologies



11:00AM-12:00PM: The Recovery and Development of Latent Fingerprints from Non-Porous Objects Found in Snow, presented by Samuel McCook

Course Descriptions:

Macro Photography Using Lighting, Alternate Light Sources and Filters, presented by Cathryn Lahm and Andrew Reitnauer

Session Abstract:

This class will present the properties of macro photography within forensic science. Students will be introduced to the primary compositional factors of an evidentiary image, and their proper usage, to include the primary lighting techniques under macro conditions. The principles of alternate light sources and their ability to visualize biological staining and chemical reagents will be discussed in relation to the primary color wheel, and choice of appropriate color barrier filter. Digital imaging enhancement techniques will also be discussed for these types of images.

The National Missing and Unidentified Persons System (NamUs), Ronald A. Brunelli, F-ABMDI

Session Abstract:

After attending this presentation, attendees will understand how to use the National Missing and Unidentified Persons System (NamUs). NamUs is a free federal online repository of missing and unidentified person that can be used by public, law enforcement, examiners and coroners to help solve our Nation's "Silent Mass Disaster". Presented will be an overview of NamUs. Also presented will be cases examples of the success the Onondaga County Medical Examiner's Office (Syracuse, NY) had with NamUs in bringing a name to the unidentified. It will be stressed the importance that not knowing the status of missing loved ones has a negative psychological effect on families. Also, discussed how not knowing the status of a missing person or the unidentified impedes law enforcement investigation. The consistent use of NamUs with MEO unidentified human remains could potentially increase the rate of identification.

Detecting Bloodstains on Fabric Using and Alternate Light Source, presented by Craig Moore

Session Abstract:

A brief overall review of fabric makeup will bring the attendee into a collection of unusual and difficult red and black color combinations of blended fibers and textured weaves. To the contrary, anyone can see a bloodstain on white fabric, such as the smooth linen found on a 100% cotton shirt. However, the ability to discern a transfer pattern from an impact pattern is the real test for the analyst. Time and time again highly acclaimed experts in the field of Bloodstain Pattern Analysis become pitted against one another over their interpretation of these very pattern types. First with the use of ALS and later magnification it may be possible to determine the bloodstain patterns present. This workshop is designed to educate the attendee on approaches that can be utilized in both the field and in the lab with the examinations of cloth items for potential bloodstain evidence

Jack the Ripper a crime analyst's view, presented by Robert Milne

Session abstract:

An in depth intelligence analysis of the 1880s serial murder cases using modern techniques of victim profiling, suspect profiling and the use of Dragnet a modern geographical profiling tool. Potentially useful exhibits are identified and discussed, which could have progressed the case. Photographs of the real locations 19th century mappings and details of the journey to crime of the victims and potential suspects leading to two locations and one individual who stands far above the others as the main suspect leading to his trial and execution in 1903 for murdering three of his common law wives. A trained surgeon from Poland who was located at both properties in Whitechapel near murder victims crime scenes. Further the crime mapping anchor points for two other suspects are reviewed against 19th Century maps. There are details of living descendants of people involved in the case with the family stories and hitherto unpublished photograph from 1888 until this year. There is a PDF hand out for interested members of the audience with scanned handwritten reports from amongst others Inspector Abberline, DCI Donald Swanson and scans of the main Ripper Letters with a copy of the presenter's article dated March 2014, entitled 'Jack the Ripper – What Have We Learned? Which was published in the on line publication of The Forensic Science Society 'CS Eye'. The [presentation also cover a review of the DNA results of the shawl in the Catherine Eddowes case.

(Nb Bob really was the Head of Scenes of Crime Whitechapel 1977 to 1981 returning to deal with homicide in the same area 1994 to 2002 at the North London Forensic Science Support Unit).

Deciphering Latent Print Distortion, presented by David Tate and Jesse Eller

Session Abstract:

Capped at 15, this class targets both the novice and experienced examiner. Various types of distortion will be reviewed and discussed but largely this workshop aims to provide hands-on learning through the creation of distorted latent prints from various substrates and matrices with live feedback and group discussion.

Impression Evidence, Presented by Jennifer Tripoli

Session Abstract:

This lecture is directed towards students and examiners new to the field. It will introduce the attendees to Impression Evidence, more specifically, footwear and tire track impression evidence. The lecture will be a basic overview of the recognition of impression evidence, documentation, collection techniques and forensic analysis of questioned impressions.

Forensic Document Examination, Presented by Jeffery Luber

Session Abstract:

The forensic discipline of Forensic Document Examination is usually thought of as "just" handwriting, but it is so much more. The lecture today will present the audience with the various sub disciplines in the area of document examination. Topics such as "secret identifier codes" in color toner printing, paper optical brighteners, non-destructive ink differentiation, thin layer chromatography of inks, paper physical match, indented writing as well as handwriting and signature identification/ elimination will be discussed. The attendees will gain a more in-depth understanding of the field of Forensic Document Examination.

Error Detection and Management in Forensic Digital Imaging, Presented by David "Ski" Witzke

Session Abstract:

Error Management in Forensic Digital Imaging Should be a Resolution for the Forensic Science Community By David "Ski" Menor Witzke Vice President, Program Management Foray Technologies When judgments are made under uncertainty, two general types of errors are possible—false positives and false negatives. A decision maker cannot simultaneously minimize both errors because decreasing the likelihood of one error necessarily increases the likelihood of the other (Green & Swets, 1966). Within the criminal justice community, there are a lot of judgments – conclusions – that are made under uncertainty. These judgments can result in the misidentification or missed identification of a fingerprint, a footwear impression or a questioned document as well as the inability to analyze characteristics in video images, such as the letters or numbers of a license plate. The reason for uncertainty in almost every one of these cases can be attributed to a lack of image resolution, improper use of image file formats, or the lack of standards. For example, when a footwear impression is captured with a resolution that is too low, it is impossible to enlarge the image sufficiently to make a reasonable conclusion about characteristics such as wear patterns or other unique characteristics. In addition, low resolution can blur the image with the background (substrate) upon which the impression was made. Failing to follow standards, such as including a scale, can prevent the image from being calibrated properly. Or, was the scale on the same plane as the impression? Was a tripod used or was the camera hand-held? Other artifacts can be introduced into the image using a compression

algorithm, such as a JPG file format. While image compression should not be used for digital images that will be used for comparison, many agencies require their officers to compress images as much as possible so that they can get more images on the memory card in the camera. In far, far too many instances, the artifacts created by image compression significantly affect image quality, which in turn affects the ability to make a judgment with any degree of certainty. It is imperative that standards be in place to ensure not only reliable image quality, but to ensure consistency of clarity and detail. In digital imaging technologies, image resolution is the key factor in image quality. The level of detail can be increased with the use of color or, more specifically, the bit depth of color. Image quality together with image detail provides better clarity and thus, a higher degree of certainty. Most high-end digital SLR cameras today capture image detail with a bit depth of 12 or 14 bits – a dynamic range 4096 different contrast values (shades) or 16,384 different contrast values (shades). However, this dynamic range can be significantly reduced to only 256 different contrast values when using a file format, such as JPG or TIF when storing images on a digital camera. Once this detail is lost inside the camera, it can never be restored to the original values captured with the imaging sensor. While proper training will not solve all of the issues and remove all of the uncertainty, it is a very good place to start.

Crime Scene Processing, presented by Jennifer Tripoli and Jeffery Luber

Session Abstract:

The lecture will be geared towards students and analysts new to the Forensic field. It will be an overview of Crime Scene Processing including the Recognition, Documentation, and Preservation of Physical Evidence. The lecture will give the students and analysts an insight into the systematic approach used at scenes. There will be general theory and case examples discussed.

Forensic Art, presented by Danielle Gruttadaurio

Session Abstract:

This presentation will explore the role of a Forensic Artist and the techniques one can provide to assist law enforcement with criminal investigations. We are going to discuss interviewing a victim and/or witness for composite imaging, 2D & 3D facial reconstruction/approximation of the human skull, post mortem composites, adult age progression as well as facial recognition software to help identify subjects.

Obtaining Suitable Quality Exemplars from Compromised Friction Ridge Skin, presented by Linda Manigault and Dennis Percopo

Session Abstract:

This workshop will focus on the fundamentals of fingerprints in the identification of missing and unknown deceased persons. The instructors will discuss various types of conditions and challenges often seen in a postmortem setting, as well as the methods/ techniques used for the

acquisition, preservation, and submission of suitable quality friction ridge detail from human remains. Outline: Part I: Introduction to Fingerprint Identification and their use for Identifying Missing and Unknown Deceased Persons. Part II: Acquisition - Safety Guidelines, Basic & Advanced Methods/ Techniques. Part III: Preservation - (Imaging Methods/ Techniques, Image Quality Standards) Part IV: Submission/ Due Diligence - Latent vs. Ten-print Searches, Existing Databases & Available Resources. Note: Attendees should have a basic working knowledge of fingerprints and handling human remains.

Electrostatic techniques in the finding and recovery of dust marks, presented by Grahame Sandling

Session Abstract:

Grahame is the inventor of the modern wireless electrostatic lifting device (ESL) the Pathfinder, which is copied in other similar devices available today.

The techniques of using ESL devices are covered with a full explanation of the science behind the technique. Those attending will be able to be instructed in a practical way to fully make use of this most useful technique. Several ESL devices are supplied with all of the evidence recovery and preservation materials.

Digital Imaging Tips and Techniques, Presented by David "Ski" Witzke

Session Abstract: After completing this program, the class participants will have a basic understanding of Adobe® Photoshop® CC. In particular, the attendees will have a working knowledge of the tools and techniques required for forensic digital imaging processing and how those concepts can aid in the analysis, comparison and identification process. This is a “hands-on” training program; all students will participate in a “practical application” exercises. Students must bring a laptop PC to class.

The following is a brief outline of the topics that will be taught in this four-hour training program.

1. Adobe Photoshop Overview
 - a. Setting up preferences for forensic imaging
2. Understanding image resolution:
image (file) resolution versus display resolution versus output resolution
 - i. Calibrating images for 1:1 output
 - ii. Creating composites
- b. Using color for suppression of backgrounds
- c. Selecting an “area of interest” for processing
3. Image Enhancement Techniques and Processes
 - a. Enhancement Techniques for creating contrast:
 - i. Black & White
 - ii. Levels
 - iii. Curves
 - iv. Shadows/Highlights
 - b. Suppressing backgrounds with Calculations

- c. Using filters to suppress noise
 - i. Noise > Dust and Scratches feature
 - ii. Sharpen > Sharpen and Unsharp Mask options
- d. Adjusting image orientation (rotation) while mitigating artifacts

SYSTEM REQUIREMENTS:

- The minimum acceptable system requirements running Microsoft Windows 7 are:
- Intel® Core 2 or AMD Athlon® 64 processor; 2 GHz or faster processor
- Microsoft Windows 7 with Service Pack 1
- 2 GB of RAM (8 GB recommended)
- 2 GB of available hard-disk space for 32-bit installation; additional free space required during installation (cannot install on removable flash storage devices)
- 1024x768 display (1280x800 recommended) with 16-bit color and 512 MB of VRAM (1 GB recommended)
- OpenGL 2.0–capable system
- Internet connection and registration are necessary for required software activation, validation of subscriptions, and access to online services.**

*** NOTICE. Internet connection, Adobe ID and acceptance of license agreement required to activate and use this product. This product may integrate with or allow access to certain Adobe or third-party hosted online services. Adobe services are available only to users 13 and older and require agreement to additional terms of use and Adobe's online privacy policy (see <http://www.adobe.com/aboutadobe/legal.html>).*

NOTE: *A free, 30-day trial version of the software may be downloaded from the Adobe website. You will still be required to activate the trial version using an internet connection Adobe ID and acceptance of license agreement. The trial version should NOT be downloaded more than two weeks prior to the start of the NYIAI meeting.*

Latent Print Comparison, Presented by Janet Hoin and Bonnie Eden

Session Abstract:

The latent print comparison discipline is a discipline which has been around for over 100 years. The technology of automated fingerprint systems has increased the ability of the latent print examiner to identify latent prints processed from crime scenes. This training will assist the student with the necessary tools to make a successful comparison and sound conclusions. The

information covered in the presentation are pattern types, three levels of detail, orientation and clues to make comparisons of latent prints efficiently and successfully. The student will then apply all the information received from the power point presentation with latent print workshops. The student will have time to make the comparisons and the answers will be reviewed with the class.

The Recovery and Development of Latent Fingerprints from Non-Porous Objects Found in Snow, presented by Samuel McCook

Session Abstract:

The aim of this study is to investigate what affects snow and cold weather have on the recovery and subsequent development of latent fingerprints from non-porous objects that are found in outdoor winter conditions. Specifically, this study uses a variety of experimental groups (nine including a control group) to further examine these affects. Based on a review of the literature this will be one of the first experiments that will investigate what affects snow and frigid weather has on latent fingerprints. It has already been shown through a variety of research studies that “finger marks on surfaces can be developed even after having been exposed to water for at least one week”(1). The research of this study will build on knowledge that has already been gained from experiments involving latent fingerprint recovery from aquatic environments. The vast majority of United States agencies have acknowledged, “processes do exist to recover fingerprints on wet or previously wetted items”(2). Given that the surfaces on which the latent fingerprints were deposited in this experiment had a chance to dry, they were processed with Cyanoacrylate Ester (Superglue) and Rhodamine 6G , versus Small Particle Reagent (SPR) that is typically reserved for use on surfaces that are still saturated with moisture. This study suggests a need for further examination of latent fingerprints found in snow and winter conditions.

New York Division of the IAI

Merchandise Order Form



NYIAI Dri-fit Polo Shirts:

Cost: \$26 each, 2XL-4XL: \$28 each

Available Colors: (Men's) Black, White, Red, Green, Navy



Available Colors: (Women's) Black, White, Pink, Purple, Lt. Blue



NYIAI Women's T-Shirts:

Cost: \$26 each, 2XL-4XL: \$28 each

Available colors: Black, White, Pink, Navy, Lt. Blue



NYIAI Cap:

Cost: \$15 each

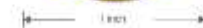
Available in Navy

Adjustable One-Size



NYIAI Lapel Pin:

Cost: \$5 each



Merchandise Order Form

Cap

\$15.00

☐ Navy blue

Men's Polo Shirt

(S-XL) \$26.00

(XXL) \$28.00

<input type="checkbox"/> White, Small	<input type="checkbox"/> Red, Small	<input type="checkbox"/> Navy, Small
<input type="checkbox"/> White, Medium	<input type="checkbox"/> Red, Medium	<input type="checkbox"/> Navy, Medium
<input type="checkbox"/> White, Large	<input type="checkbox"/> Red, Large	<input type="checkbox"/> Navy, Large
<input type="checkbox"/> White, X-Large	<input type="checkbox"/> Red, X Large	<input type="checkbox"/> Navy, X Large
<input type="checkbox"/> White, XX Large	<input type="checkbox"/> Red, XX Large	<input type="checkbox"/> Navy, XX Large
<input type="checkbox"/> Black, Small	<input type="checkbox"/> Green, Small	
<input type="checkbox"/> Black, Medium	<input type="checkbox"/> Green Medium	
<input type="checkbox"/> Black, Large	<input type="checkbox"/> Green, Large	
<input type="checkbox"/> Black, X Large	<input type="checkbox"/> Green X Large	
<input type="checkbox"/> White, XX Large	<input type="checkbox"/> Green, XX Large	

Women's Polo Shirts

(S-XL) \$26.00

(XXL) \$28.00

<input type="checkbox"/> White, Small	<input type="checkbox"/> Pink, Small	<input type="checkbox"/> Purple, Small
<input type="checkbox"/> White, Medium	<input type="checkbox"/> Pink Medium	<input type="checkbox"/> Purple, Medium
<input type="checkbox"/> White, Large	<input type="checkbox"/> Pink, Large	<input type="checkbox"/> Purple, Large
<input type="checkbox"/> White, X-Large	<input type="checkbox"/> Pink, X Large	<input type="checkbox"/> Purple, X Large
<input type="checkbox"/> White, XX Large	<input type="checkbox"/> Pink, XX Large	<input type="checkbox"/> Purple, XX Large
<input type="checkbox"/> Black, Small	<input type="checkbox"/> Lt. Blue, Small	
<input type="checkbox"/> Black, Medium	<input type="checkbox"/> Lt. Blue Medium	
<input type="checkbox"/> Black, Large	<input type="checkbox"/> Lt. Blue, Large	
<input type="checkbox"/> Black, X Large	<input type="checkbox"/> Lt. Blue, X Large	
<input type="checkbox"/> White, XX Large	<input type="checkbox"/> Lt. Blue, XX Large	

Women's T-Shirts

(S-XL) \$26.00

(XXL) \$28.00

<input type="checkbox"/> White, Small	<input type="checkbox"/> Pink, Small	<input type="checkbox"/> Lt. Blue, Small
<input type="checkbox"/> White, Medium	<input type="checkbox"/> Pink, Medium	<input type="checkbox"/> Lt. Blue, Medium
<input type="checkbox"/> White, Large	<input type="checkbox"/> Pink, Large	<input type="checkbox"/> Lt. Blue, Large
<input type="checkbox"/> White, X Large	<input type="checkbox"/> Pink, X Large	<input type="checkbox"/> Lt. Blue, X Large
<input type="checkbox"/> White, XX Large	<input type="checkbox"/> Pink, XX Large	<input type="checkbox"/> Lt. Blue, XX Large
<input type="checkbox"/> Black, Small	<input type="checkbox"/> Navy, Small	
<input type="checkbox"/> Black, Medium	<input type="checkbox"/> Navy, Medium	
<input type="checkbox"/> Black, Large	<input type="checkbox"/> Navy, Large	
<input type="checkbox"/> Black, X Large	<input type="checkbox"/> Navy, X Large	
<input type="checkbox"/> Black, XX Large	<input type="checkbox"/> Navy, XX Large	

☐ **NYIAI Member Pin**\$5.00

Total: _____

Shipping Costs are included in the prices listed above
****Make Checks Payable to the NYS Division of the IAI****

Return completed forms to: Andrew Reitnauer
603 High Street
Port Jefferson, NY 11777
NYIAIPresident@gmail.com

Shipping Address:

Name: _____

Address: _____

City: _____

State: _____ Zip Code: _____

Phone: _____

Email: _____