PRESENTS:

Digital Processing of Footwear Evidence LIVE and ONLINE

Foray Technologies is proud to announce its **Footwear, three-day**, hands-on training program in forensic digital imaging **May 16 - 18, 2023.** This class will be **delivered LIVE and ONLINE**.[1]

During this **three-day Footwear** course, participants will review the fundamental digital imaging concepts and technologies and will be able to select basic the appropriate Adobe® Photoshop® processing tools and function. In addition, participants will gain a more in-depth experience with and knowledge of digital imaging processes as well as learn when these techniques should be used to aid in the **forensic investigative process**.

This **LIVE, online** training program will expand and improve participants' knowledge of and expertise using best practices for calibrating footwear, tire, and other impression evidence, suppressing background noise, adjusting tonal range and contrast, and much more. Participants will also learn how to use advanced methods to enhance complex impressions and optimize image quality and clarity. Participants must successfully complete practical exercises to demonstrate their knowledge of and their ability to use the tools and techniques taught. In addition, participants will learn how to create and use innovative procedures for preparing court exhibits that clearly illustrate the detailed analysis and comparison of impression evidence to a layperson in a readily--and easily--understandable manner.

Participants are encouraged to use some of their own images (in TIF or camera RAW format) so they utilize their newly learned concepts, tips and techniques in practical exercises using their own images! They will document, interpret and explain their image analysis process as well as describe the best practices for basic digital imaging concepts.

With more than 30 years of AFIS and forensic digital imaging experience, David Witzke (AKA Ski), is considered to be one of the foremost experts in forensic digital imaging technologies. Ski is an associate member of the International Association for Identification (IAI), the European and several regional divisions of the IAI; the Canadian Identification Society (CIS); and the European Network of Forensic Science Institutes Fingerprint Working Group (ENFSI FWG), where he has also been elected to serve on the ENFSI FWG Steering Committee; and Ski is the chairperson for the Digital Evidence Subcommittee for the IAI.

Ski is a contributing writer for three well-known forensic books: *Crime Scene Photography* (Third Edition, published 2016 by Academic Press), *Introduction to Crime Scene Photography* (Published 2012 by Academic Press) and *Footwear, The Missed Evidence* (Third Edition, published 2013 by Staggs Publishing). (*Crime Scene Photography* has been chosen by the IAI certification committees for the Certified Crime Scene Investigator (CCSI) Certification Test, the Certified Crime Scene Analyst (CCSA) Certification Test, the Certified Senior Crime Scene Analyst (CSCSA) Certification Test, and the Forensic Photography Certification Test.)

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[1] Participants must attend all three days of training. It is also recommended that each person attending this program have at least a basic understanding of the Microsoft Windows 7 or 10 operating system. In addition, participants should, at a minimum, have a basic familiarity with Adobe Photoshop.

What:	**Footwear Digital Imaging**
Where:	***ONLINE***
When:	May 16 – 18, 2023
Time:	10:00am - 6:00pm, EST each day
Cost:	$749.00 per attendee
For more information:	Lynn Slaughter (619)858-1360, ext. 517 lslaughter@foray.com

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REGISTRATION FORM

Name: _____

Agency: _____

Mailing Address: _____

City, State and ZIP: _____

Work Phone: _____   Alternate Phone:_____

Email Address: _____

Payment type: Check ☐   Purchase Order ☐   Credit Card ☐

Purchase Order Number: _____   Date Issued: _____

Credit Card Number: _____   Exp Date: _____ Sec. Code: _____

Billing Address: _____

City, State and ZIP: _____

Please mail completed registration form with payment to:
FORAY TECHNOLOGIES
ATTN: Training Registration
3911 5th Ave, Suite 300
San Diego, CA 92103 Fax: 619-858-1366
Or email to: lslaughter@foray.com

Full payment is required prior to first day of class. Cancellations will be handled as follows: cancellations made 45 days prior to the first day of class will receive a full refund; cancellations within 30-44 days will be refunded at 50% of the course cost, and cancellations made less than 30 days will not be refunded.

Attendees will receive written course confirmation prior to course start date.

Foray, LLC reserves the right to cancel the above course due to unforeseen circumstances outside our control; we strongly encourage necessary travel arrangements to be made upon receipt of written confirmation.

This class is approved for IAI initial certification and recertification hours

REQUIREMENTS LISTED ON NEXT PAGE

<div align="center">***Computers must meet these minimum requirements:***</div>

Windows

 Minimum requirements:

<u>Processor</u>**: Intel® or AMD processor with 64-bit support*; 2 GHz or faster processor (NOTE: faster processor speeds provide support for a number of functions, including Camera RAW processing, Calculations, Pattern Removal Filter, etc.)**

<u>Operating system</u>**: Microsoft Windows 10*** October 2018 update (64-bit) version 1809 or later**

<u>RAM</u>**: 8 GB or more of RAM (NOTE: Adobe Photoshop CC 2020 is a RAM-intensive application. More is better!)**

<u>Graphics</u> <u>card</u>**: nVidia GeForce GTX 1050 or equivalent; nVidia GeForce GTX 1660 or Quadro T1000 is recommended (NOTE: Please be advised that any other video card creates problems such as resampling, aliasing, etc.)**

<u>Hard disk space</u>**: 3.1 GB or more of available hard-disk space for 64-bit installation; additional free space required during installation (NOTE: You cannot install Adobe Photoshop CC 2020 on a drive that uses a case-sensitive file system!)**

<u>Monitor resolution</u>**: 1280 x 800 display (OR HIGHER) at 100% UI scaling with 16-bit color and 2 GB or more of dedicated VRAM**

<u>OpenGL</u>**: OpenGL 2.0-capable system**

<u>Internet</u>**: An Internet connection and registration are necessary for required software activation, validation of subscriptions, and access to online services.**

*Laptops must have an external mouse (Using the laptop touchpad is totally and completely unacceptable).

*Each user must have internet access and must run Zoom on their computer. (This allows the instructor to assist the user during hands-on exercises.)

*Each user must have access to and create a free account on WeTransfer.com. This requirement allows participants to transfer non-compressed versions of the images created during hands-on exercises; the file size for a majority of these images exceeds the capacity of most email systems. <u>NOTE</u>: Users must have access to WeTransfer.com at least one week prior to the start of class as well as during the class.

*Each user must have an individual webcam with a microphone, and each laptop must be equipped with speakers. Alternatively, users may find it advantageous to use a headset that includes a microphone instead of using the microphone on the webcam and using the laptop speakers. Using a headset that includes a microphone also eliminates a lot of problems caused by speaker (sound) "feedback".