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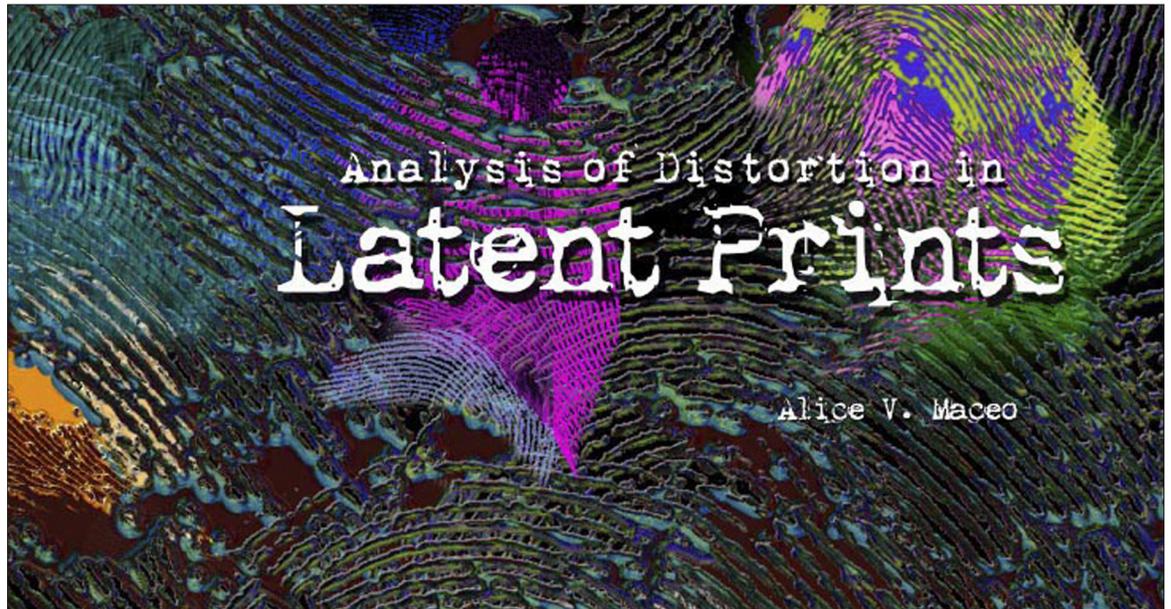
Courses are presented in partnership with the International Association for Identification.

#### ADA / Special Accommodations

To ensure we can accommodate persons with special needs who wish to attend our courses, please be sure to identify the accommodation needed when you register, or if applicable, at the time you register by phone.

#### Host a course

By hosting one of our courses, you will be providing your agency's personnel and the forensic professionals in your area with a high-quality training opportunity, right in your local area. This means less cost to you or your agency for expenses such as travel, lodging, and meals, and less time away from home and family. Plus, hosts can qualify for tuition savings. For more information, visit [tritechtraining.com](http://tritechtraining.com).



# Analysis of Distortion in Latent Prints

**Instructor: Alice Maceo, CLPE**

**January 10 - 11, 2019**

**Tuition: \$399**

#### Location:

Napa County Sheriff's Office  
1535 Airport Road, Napa, CA 94558

#### Lodging information:

SpringHill Suites by Marriott  
101 Gateway Road E, Napa, CA 94558

Room Rate: \$129 plus tax | Booking Info: Call the hotel [(707) 253-1900] and request the Distortion Course room block.

This course has been approved for 16 hours of certification/re-certification training credit by both the IAI Latent Print Certification Board and the Tenprint Fingerprint Certification Board. Please visit the IAI Certifications page at [tritechtraining.com](http://tritechtraining.com) for additional information.



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## ABOUT TRITECH

A leader in the forensics market, Tri-Tech Forensics provides evidence collection and crime scene investigation products and training to crime labs and crime scene investigators throughout the world. With over 30 years of experience, we are the nation's most proficient developer and manufacturer of forensic kits. We are committed to providing our customers with state-of-the-art forensics products and services at affordable prices. It is our goal, through our research and development program, to continue to develop superior products and training to aid in all aspects of crime scene investigation and crime lab analysis. We know how important our products and training are to the forensics community, from investigation to prosecution. Our mission is the same as our customers – *Identify. Protect. Preserve.*

## COURSE DESCRIPTION

# Analysis of Distortion in Latent Prints

This two-day workshop, Analysis of Distortion in Latent Prints, focuses on the Analysis phase of the ACE-V (Analysis, Comparison, Evaluation, Verification) process. During the Analysis of a latent print, the analyst is gathering information. The analyst is detecting the features they may use during the comparison, setting tolerances for variation in appearance, and determining the utility of the print. The ability to detect these features in the latent print and the establishment of tolerances for variation in appearance are inextricably linked to the distortion present in the latent print.

### Biological Distortion

Study a number of distortions introduced by the condition of the skin itself. Examples, causal explanations (based on the embryology, anatomy, and physiology of the skin), and independent exercises are provided.

### Residue Distortion

Residue distortion refers to how the following affect the appearance of the ridges and furrows in a latent print -- type of residue; placement of residue on the surface of the skin; and transfer of residue to a surface. This section of the course focuses on the most difficult of visual distortion affects: tonally transitioning ridges. Examples of tonally transitioning ridges and the causal affects are demonstrated and discussed. Attendees are provided alternative strategies for following ridges through tonal transitions.

### Surface Distortion

Textured surfaces introduce problematic background noise or create false edge shapes and pore structure. The shape of the object and the natural handling can cause unexpected finger height distributions in simultaneous impressions. Additionally, any impression where the hand and fingers are grasping an object will have clusters of minutia in unusually close proximity when the clusters are separated by a primary flexion creases. Examples of the distortion affects of different types of surfaces will be demonstrated and discussed with attendees.

### Contact Distortion

The skin is a flexible medium that distorts when it touches a surface and displaces residue when it moves across a surface. The movement of the skin on the surface causes predictable affects on the ridges and furrows that are easily recognizable. Attendees will analyze the distortion affects of latent prints placed on glass under controlled conditions. After analyzing the latent print, the attendees will observe the actual video of the latent print being deposited onto the surface. Attendees will be provided a different paradigm with which to consider distortion: how the skin leaves an impression. For many, this is a shift from trying to decipher a latent print based on what is expected in the known print.

## COURSE INSTRUCTOR

### ALICE (MACEO) WHITE

Alice (Maceo) White has a Bachelor of Science in Biology from the University of Alaska, Anchorage. She has worked in latent prints since 1997 and was the manager of the Latent Print Detail of the Las Vegas Metropolitan Police Department for 12 years.

Alice served on the Scientific Working Group on Friction Ridge Analysis, Study, and Technology from 2001-2014, the NIST Expert Working Group on Human Factors in Latent Print Analysis from 2008-2011.

Alice currently serves as a member of the OSAC Friction Ridge Subcommittee, and AAFS Standards Board Friction Ridge Consensus Body, and is a Technical Assessor for ANAB. She has published multiple articles and lectured throughout the United States and beyond.

