WHAT IS RTI

RTI is a computational photographic method that captures a subject’s surface shape and color and enables the interactive re-lighting of the subject from any direction. RTI also permits the mathematical enhancement of the subject’s surface shape and color attributes. The enhancement functions of RTI reveal surface information that is not disclosed under direct empirical examination of the physical object.

RTI software is open source and the technique uses off the shelf digital camera equipment. There is little additional cost for implementing the RTI methods, provided one has the basic equipment.

RTI can dramatically improve the visualization of textural evidence, including footwear, tire impressions, toolmarks, patent fingerprints, cadaver prints, indented writing, ink cross-overs, and obliterated serial numbers, to give just a few examples.

AUDIENCE

This workshop is appropriate for anyone involved in photographing evidence, including forensic photographers, footwear and tire track examiners, toolmark examiners, trace evidence analysts, questioned document examiners, and crime scene investigators.

REGISTRATION

To register for this workshop, use one of the following:

Mail: Use the attached form
Email: training@c-h-i.org

For more information:
Phone: 415-558-8672
Online: http://culturalheritageimaging.org/forensics

SCHEDULE

Monday, December 3, 2012
Location: San Luis Obispo Sheriff’s Office
Content: An optional 8-hour module covering photography basics, best practices, and legal concerns for RTI. Offered for those who need to improve their photographic skills prior to RTI training.

Tuesday, December 4 through Friday, December 7, 2012
Location: San Luis Obispo Sheriff’s Office
Content: A 32-hour workshop with hands-on instruction on the forensic applications of RTI. Students will learn how to take RTI images, compile RTI files, and disseminate these for forensic use.

Cultural Heritage Imaging (CHI) is a 501 (c) (3) non-profit organization dedicated to advancing the state of the art of digital capture and documentation of the world’s cultural, historic, and artistic treasures. See http://culturalheritageimaging.org/

Imaging Forensics provides training in forensic video analysis, image analysis, and forensic photography to law enforcement personnel, fire investigators, federal, state, and local government agencies, and private analysts and investigators. See http://www.imagingforensics.com/

This workshop is hosted by the San Luis Obispo Sheriff’s Office. San Luis Obispo is located on the beautiful Central Coast of California. Numerous recreational and entertainment venues are available for your after-class enjoyment. See http://www.slosheriff.org/