

MAY 16-20 2011



**SHERATON  
ALBUQUERQUE  
UPTOWN HOTEL**

ALBUQUERQUE, NM

**COURSE DIRECTORS:**

DUANE R. SCHAFER, CAPT, DC, USN  
CHRISTOPHER G. FIELDING, COL, DC, USA

**LABORATORY COORDINATOR:**

DANIEL HINES, MSGT, USAF, (RET.)

**SPONSORED BY:**

INDIAN HEALTH SERVICE, DIVISION OF ORAL HEALTH

**SUPPORT FROM:**

ARMED FORCES INSTITUTE OF PATHOLOGY  
ARMED FORCES MEDICAL EXAMINER

47th Annual

**Forensic Identification  
and Emerging  
Technologies Lectures  
and Mini Workshops**



# Forensic Identification and Emerging Technologies Lectures and Mini Workshops

May 16-20, 2011 - Albuquerque, NM

## Course Description

This is a 5-day course which includes lectures and laboratory workshops. The course is open to both civilian and military personnel. The emphasis of the course is forensic odontology; however, overviews of allied disciplines are provided to complete attendees' knowledge base.

The primary focus of the course is to update the experienced forensic scientist, and to introduce the novice, to state-of-the-art techniques for forensic endeavors, with an emphasis on mass disasters and dental identification. Speakers from diverse organizations such as the Armed Forces Institute of Pathology, Federal Bureau of Investigation, US Army, National Museum of Health and Medicine, and various universities across the nation are featured. The laboratory workshops integrate digital radiology, photographic capture and computer database, with a mock mass disaster identification exercise. Other workshops include bitemark analysis, skeletal anthropology, antemortem-postmortem radiographic comparison and radiographic age assessment.

## Course Objectives

At the completion of the course, participants should be able to:

- Perform forensic dental identification of human remains,
- Be a valuable asset to an identification team, and
- Work with the myriad agencies and scientific disciplines involved in the arena of forensics.

## Course Location

The course will be held at the Sheraton Albuquerque Uptown Hotel. Single and double rooms are available for \$81 until 29 April 2011. Reservations received after this date will be filled on a space available basis.

Sheraton Albuquerque Uptown  
2600 Louisiana Boulevard NE  
Albuquerque, NM 87110  
505-830-5785

To make reservations online, go to:

<http://www.starwoodmeeting.com/StarGroupsWeb/res?id=1011221622&key=72C55>

## Faculty

### **Douglas Arendt, DDS, MS**

Director, Lightmic Consulting  
Oakton, VA

### **Bryan Chrz, DDS**

Private Practice,  
Perry, Oklahoma

### **Mary A. Cimrmancic, DDS**

Adjunct Assistant Professor  
Marquette University School of Dentistry  
Milwaukee, Wisconsin

### **J. Curtis Dailey, DDS**

Consultant in Forensic Dentistry,  
Bangor, Maine

### **Christopher G. Fielding, COL, DC, USA**

Army Consultant, Forensic Dentistry  
Armed Forces Institute of Pathology, Washington, DC

### **Scott Hahn, DMD**

Special Agent, Federal Bureau of Investigation  
Miami, Florida

### **Daniel Hines, MSgt, USAF, (Ret.)**

Forensic Dental Technician, Port Mortuary  
Dover AFB, Delaware

### **Dayle Hinman, Special Agent (Ret.)**

Crime Analysis - Profiling Program  
Florida Department of Law Enforcement  
Tallahassee, Florida

### **Elias J. Kontanis, PhD, D-ABMDI**

Coordinator - Medicolegal Operations  
National Transportation Safety Board, Washington, DC

### **Edward Mazuchowski, Maj, USAF, MC**

Armed Forces Medical Examiner  
Dover, DE

### **James McGivney, DMD**

Center for Advanced Dental Education  
St. Louis University, St. Louis, Missouri

### **William C. Rodriguez, III, PhD**

Distinguished Scientist in Forensic Anthropology  
Office of the Armed Forces Medical Examiner  
Washington, DC

### **Duane R. Schafer, CAPT, DC, USN**

Navy Specialty Leader, Forensic Odontology  
MCRD Parris Island, SC

### **Robin A. Scheper, DDS, CMDR, USPHS**

Division Chief, Individual and Family Support Programs  
US Coast Guard, Washington, DC

### **Bruce Anderson, PhD**

Forensic Anthropologist  
Pima County, Office of the Medical Examiner  
Tucson, AZ

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May 16-20, 2011 - Albuquerque, NM

## Program Schedule

### MONDAY, 16 MAY 2011

- 7:00-7:30 **Registration**
- 7:30-9:30 **Introduction to Forensic Odontology**  
Duane R. Schafer, CAPT, DC, USN
- 9:30-10:30 **BREAK**
- 10:30-12:00 **Introduction to Forensic Pathology and Wartime Operations**  
Edward Mazuchowski, LtCol, USAF, MC
- 12:00-1:00 **LUNCH**
- 1:00-3:00 **DMORT and NTSB**  
Elias J. Kontanis, PhD, D-ABMDI
- 3:00-3:15 **BREAK**
- 3:15-5:15 **The Federal Odontologist and Federal Crime Scenes**  
Scott Hahn, DMD, Special Agent, FBI

### TUESDAY, 17 MAY 2011

- 7:30-9:30 **CILHI/JPAC**  
Christopher G. Fielding, COL, DC, USA
- 9:30 - 10:00 **BREAK**
- 10:00-12:00 **Criminal Profiling**  
Dayle Hinman, Special Agent, (Ret.)
- 12:00 - 1:00 **LUNCH BREAK**
- 1:00 - 3:00 **Conventional Approach to Bitemark Analysis**  
J. Curtis Dailey, DDS
- 3:00 - 3:30 **BREAK**
- 3:30 - 5:30 **Conventional Bitemark Laboratory**  
Robin A. Scheper, DDS, CMDR, USPHS

### WEDNESDAY, 18 MAY 2011

- 7:30-9:30 **Intro to Forensic Anthropology**  
William C. Rodriquez III, PhD
- 9:30-10:00 **BREAK**
- 10:00-12:00 **Historical Forensic Missions**  
Douglas A. Arendt, DDS
- 11:30-12:00 **Special Session for Auxiliary Personnel and Technicians**  
Daniel Hines, MSgt, USAF, (Ret.)
- 12:00-1:00 **LUNCH BREAK**
- 1:00-3:00 **Introduction to Digital Analysis of Bitemarks: "A New Approach"**  
J. Curtis Dailey, DDS
- 3:00-3:15 **BREAK**
- 3:15-5:45 **WinID and Mass Identification Exercise**  
James McGivney, DMD  
Duane R. Schafer, CAPT, DC, USN

### THURSDAY, 19 MAY 2011 and

### FRIDAY, 20 MAY 2011 (Labs)

#### 7:30 AM – 5:00 PM

#### Mass Disaster Workshop

- Duane R. Schafer, CAPT, DC, USN  
James McGivney, DMD  
Bryan Chrz, DDS  
Daniel Hines, MSgt, USAF, (Ret.)

#### Forensic Skeletal Anthropology

- Bruce Anderson, PhD

#### Digital Analysis of Pattern Injuries (Bitemarks)

- J. Curtis Dailey, DDS

#### Radiographic Age Assessment Lab

- Mary A. Cimrmancic, DDS

#### Panoramic Radiograph Comparison Lab Exercise

- Christopher G. Fielding, COL, DC, USA

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## ADA CERP

Indian Health Service, Division of Oral Health, is an ADA CERP Recognized Provider.

**ADA CERP**® | Continuing Education Recognition Program

*ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry.*

This course has been planned and implemented in accordance with the ADA CERP Recognition Standards and Procedures. The Indian Health Service, Division of Oral Health designates this course for a maximum of 40 continuing education credits. Participants should only claim credit commensurate with the extent of their participation in the course.

It is the policy of the Indian Health Service, Division of Oral Health, that faculty/presenters disclose any significant financial or other relationships with commercial companies whose products may be discussed in the activity. The Indian Health Service, Division of Oral Health, also requires that faculty disclose any unlabeled or investigational use (not yet approved for any purpose) of pharmaceutical products and medical devices.

None of the faculty/presenters for this activity has a conflict of interest, and there is no use of unlabeled or investigation pharmaceutical products or medical devices. The educational objectives, content and selection of educational methods and instructors are conducted independent of any commercial entity.

Concerns or complaints about this course may be directed to [marybeth.kinney@comcast.net](mailto:marybeth.kinney@comcast.net) or to ADA CERP at: <http://www.ada.org/goto/cerp>.

### RECOGNIZED BY THE AMERICAN BOARD OF FORENSIC ODONTOLOGY

This computer-integrated course emphasizes current and emerging technologies in Mass Disaster Management. In its 47th year, this continuing education course is recognized by the American Board of Forensic Odontology (ABFO), an organization that establishes the standards of qualification for those who practice forensic odontology. This course is unique in that successful completion meets a requirement towards board certification.

## REGISTRATION

The registration fee is \$1025. Early registration is recommended.

A discounted registration fee of \$750 applies for active-duty US military, Department of Defense civilians, full-time permanent Department of Veterans Affairs employees (not residents or fellows), Commissioned Officers of the US Public Health Service, civilian dental hygienists and other dental auxiliary personnel.

Registration fee is payable in US dollars by check, money order, VISA or MasterCard. Registration fee is due by 29 April, 2011.

Refund requests must be received in writing by 29 April 2011. An administrative fee of \$100 per registrant will be charged for cancellation. No refunds will be made after 29 April 2011.

Send an email to [Marybeth.kinney@comcast.net](mailto:Marybeth.kinney@comcast.net) to request a registration form.



**NOTE:** Video or audio recording is prohibited. Each participant will be given the syllabus on CD. There will be no printed handouts. You are welcome to bring a laptop.