



The Investigation of Mass Fatalities and Human Identification

Forensic Symposium 2009
March 16 - 17, 2009 Dahlonega, Georgia

Symposium Presentations

Human Facial Reconstruction

Mary Manheim

Mass Fatality Incident and Scene Management

Cotton Howell

Critical Incident Stress and PTSD

Dr. Grady Bray

Mass Fatalities & Post-mortem Dental Examination

Dr. Richard Weems

HAZMAT and Bio Terrorism Response

FBI Hazardous Materials Response Unit

Applications of DNA for Human Identification

Dr. Mark Wilson

The Investigation of Mass Fatalities & Human Identification

Join us for two days of edge-of-your-seat presentations and the opportunity to learn from six of the top names in The Investigation of Mass Fatalities and Human Identification.

Topics to be covered will be mass fatality incident response, processing and management of mass fatality scenes, critical stress management for responders, human facial reconstruction, DNA applications for human identification, and forensic odontological identification methodologies.

Learn from experts who have worked at many major national and international disasters as they share their first-hand experiences and explain how this information can benefit you in your daily work.



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Who Should Attend:

Emergency Management Professionals
Emergency Medical Responders
Emergency Medicine Practitioners
Mental Health Workers
Public Safety Educators
Forensic Practitioners
Medical Examiners Psychologists
School Counselors Fire Fighters
Funeral Directors Dentists
Law Enforcement Nurses
College Students Coroners

**Due to subject matter, attendees must be at least 18 years of age.*

Benefits of Attending:

- ♦ Learn about the available capabilities of human identification
- ♦ Acquire an understanding of agency responsibilities in major loss of life event
- ♦ Identify and respond to critical incident stress, as well as long term effect of PTSD
- ♦ Hone your investigative skills
- ♦ Gain insight into emerging issues and trends in forensic science
- ♦ Network with peers
- ♦ Earn CEUs, PLUs, or POST-certified hours

Presentations

Human Facial Reconstruction

Mary Manhein

Professor Mary H. Manhein will discuss the role of the forensic anthropologist in a mass fatality event and the utilization of digital resources in the identification of skeletonized human remains.

Manhein has handled more than 1,000 forensic cases and works with law enforcement agencies all over the country. She is the author of *The Bone Lady: Life as a Forensic Anthropologist* and *Trail of Bones*.

Manhein has over 27 years of experience as a forensic anthropologist. She is also the director of the FACES Lab at Louisiana State University, director of the Louisiana Repository for Unidentified and Missing Persons Information Program, and professional in residence at LSU.

Mass Fatality Incident & Scene Management

Cotton Howell

Cotton Howell will give insight into all facets of command and control of mass fatality events. Howell has been deployed to numerous recent disasters such as the floods in North Carolina, Egypt Air crash, Alaska Air crash, the World Trade Center on Sept. 11, 2001, the crematory incident in Georgia in 2002, and Hurricane Katrina. He has been featured in the Discovery Channel documentary on disaster response teams.

Howell is a Certified Emergency Manager (CEM) and has been the director of the York County (SC) Office of Emergency Management since 1983. He is a registered nurse and a member of the Department of Homeland Security, Federal Emergency Management Agency, and the Disaster Mortuary Operational Response Team, of which he is the commander of DMORT Region 4.



Joseph Morgan, program director and emcee, is an Assistant Professor of Criminal Justice at North Georgia College & State University. He holds a master of science in forensic science and is a Board Certified Medicolegal Death Investigator. Morgan has 20 years experience as a death investigator in Atlanta and New Orleans.

Mass Fatalities & Post-mortem Dental Examination

Dr. Richard A. Weems

Dr. Richard A. Weems will discuss dental identification in a major loss of life event. He will share his experience in conducting dental identification at the site of the World Trade Center disaster.

Weems is a forensic odontologist and assistant professor of dentistry at UAB. He has been a dental consultant to the Alabama Department of Forensic Sciences since 1987. In this time, he has investigated over 100 cases involving criminal human bite mark analysis and victim identification through dental remains resulting from homicide and accidental death.

Critical Incident Stress and PTSD

Dr. Grady Bray

Dr. Grady Bray brings over 30 years of experience to the lectern regarding critical stress debriefing of police, fire, and emergency workers at the scenes of mass fatality events. Additionally, Bray possesses a unique expertise in the recognition and diagnosis of PTSD in mass fatality workers.

Bray established the Family Assistance and Training program for Kenyon International Emergency Services, where he served as vice president from 2000 to 2006. During this period, he responded to many major world disasters, including the 9/11 attacks on the World Trade Center, the tsunami in Thailand, Hurricane Katrina, and the Helios Airways crash in Athens, Greece.

HAZMAT and Bio Terrorism Response

FBI Hazardous Materials Response Unit

Experts from the FBI's Hazardous Material Response Unit (HMRU) will address attendees regarding federal response and coordination in the event of chemical and bio-hazard fatalities. The HMRU responds to criminal acts and incidents that involve hazardous materials. The unit also develops technical proficiency and readiness for crime scene and evidence-related operations in cases involving chemical, biological, and radiological materials and wastes, as well as training US and international law enforcement in these skills.

Applications of DNA for Human Identification

Dr. Mark Wilson

Dr. Mark Wilson will discuss identification through the utilization of state of the art DNA techniques. Wilson is an internationally recognized expert on the topic of mitochondrial DNA and human identification. He is also the director of the forensic science program at Western Carolina University. Wilson is a retired special agent in charge with the FBI's DNA Laboratory.



Location

The symposium will be held on the campus of North Georgia College & State University in Dahlonega, Georgia.

The Dahlonega area was the location of the first major U.S. gold rush in 1828. Dahlonega's commercial district, listed on the National Register of Historic Places, is home to many wonderful restaurants and unique shopping opportunities. Major wineries have also discovered the rich, fertile hillsides of Lumpkin County. For more information about Dahlonega, visit: www.dahlonega.org.

Lodging

There are many places to stay during your visit to Dahlonega. A list of available lodging will be provided upon request.

Schedule

Monday, March 16, 2009 7:30am - 8:00am Registration/
Continental Breakfast
8:00am - 5:00pm Presentations

Tuesday, March 17, 2009 7:30am - 8:00am Continental Breakfast
8:00am - 4:30pm Presentations
4:30pm - 5:00pm Closing Remarks/Evaluations

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Continuing Education Units (CEUs)

- ♦ Law Enforcement POST Credit has been approved
- ♦ CEUs for fire fighters
- ♦ CEUs for EMS personnel
- ♦ Applications for 1.4 CEUs/PLUs¹ have been made to:
 - ♦ ABMDI, Inc. for CEUs
 - ♦ PLUs for teachers

**There is an additional \$80 fee for ABMDI CEUs and PLUs for teachers.*

Please note requested type on registration form.

You must be present for the entire symposium to receive CEU credit.

Forensic Symposium 2009 Shirts

A symposium shirt is available for \$25. Shirts are blue, short-sleeve, button placket with the symposium logo. Sizes XS - 10XL are available.

Registration Fee

Your registration fee includes all symposium materials, as well as a continental breakfast and lunch both days. Pre-registration is required.

Last Minute?

Please feel free to call us at 706-864-1918. We will let you know if spaces are still available for you to attend.

More Information

For more information about North Georgia Forensic Symposium, North Georgia College & State University, and lodging, visit our website at www.ngcsu.edu/ce and click on Forensic Symposium.

MARCH 16-17, 2009 ♦ DAHLONEGA, GEORGIA

REGISTRATION FORM

The Investigation of Mass Fatalities and Human Identification

Name: _____
(please print or type)

Preferred Name *(for badge)*: _____

Position/Title: _____

Organization: _____

Mailing Address: _____
(work or home address)

City: _____

State: _____ Zip: _____

Cell Phone: _____ Work: _____

Email: _____

Registration Fees:

- \$295 per person
- \$250 for NGCSU students and POST certified officers
- Yes, I would like a shirt:** \$25 Size: _____ *(XS-10XL)*
- CEUs/PLUs:** \$80 each
_____ ABMDI _____ PLU

Total Amount Enclosed: _____

Method of Payment:

- Check Enclosed** *(Payable to NGCSU)*
- Purchase Order** *(Payable to NGCSU, Federal ID No. 58-6002060, and/or authorization letter to bill employer/organization.)*
- Credit Card**
 - Visa
 - MasterCard
 - Discover

Card No. _____ Expires: _____

Name on Card: _____ Security Code: _____

Authorizing Signature: _____

Your registration will not be processed until payment is received.

Mail to: North Georgia Continuing Education
82 College Circle
Dahlonega, GA 30597

Fax to: 706-864-1686 **Call:** 706-864-1918

Need more registration forms? Copy this form, call 706-864-1918, or visit www.ngcsu.edu/ce and click on Forensic Symposium for a pdf version.

Program Refund/Cancellation Policies: (1)Requests for refunds *(less \$60 cancellation fee)* will be honored if received in writing at least 1 week prior to the start of the symposium; however, substitutions may be made at any time. (2)NGCSU holds the right to change or cancel speakers at any time. (3)If a program is cancelled for any reason, NGCSU will not be responsible for any charges related to travel and/or lodging.