2011 DVD Table of Contents

Disc 1

**AFTE 2012 Training Seminar Announcement**
Justine Kreso, Onondaga County Center for Forensic Sciences - Syracuse, NY
Jennifer Coombs, Erie County Central Police Services Laboratory - Buffalo, NY

**What's New in Ammunition**
George Kass, Forensic Ammunition Service, Inc. – Okemos, MI

**SWGGUN - Updates and Current Projects**
T.L. Price, Kansas Bureau of Investigation - Topeka, KS

**An Empirical Study to Evaluate the Repeatability and Uniqueness of Striations/Impressions in Fired Cartridge Casings Fired in Ten Consecutively Manufactured Slides**
Thomas Fadul & Gabriel Hernandez, Miami-Dade Police Department - Miami, FL

**Utilizing the Consistency of Wad Drop Off for Estimation of Shooter Location**
Jennifer Bishop, University of Central Oklahoma: Forensic Science Institute - Edmond, OK

**The 10 Consecutive Ruger Barrel Study: A 3D Look Using the PLu-neox from Sensofar**
Derrick McClarin, Alabama Department of Forensic Sciences - Birmingham, AL

**Understanding Airsoft**
Dan Alessio, Oregon State Police, Portland Metro Forensic Laboratory - Portland, OR

**Five Consecutively Manufactured Chisels**
Gerard Petillo, Connecticut Department of Public Safety - Meriden, CT

**Confocal Microscopy and Striated Tool Marks: A Statistical Study and Potential Software Tools for Examiners**
Nick Petraco, John Jay College – New York, NY

**The Examination, Evaluation and Identification of 9mm Caliber Cartridges Cases Fired from 1275+ GLOCK Semiautomatic Pistols Manufactured Over an 18 Year Period**
Dr. James Hamby, International Forensic Science Laboratory - Indianapolis, IN
The Evaluation, Examination and Identification of 2,150+ Pairs of Fired Cartridge Cases Fired from Recently Manufactured GLOCK Semiautomatic Pistols - Over a 4.5 Year Period in Calibers 9mm, 357 SIG, 40 S&W, 10mm Auto, 45 GAP and 45 ACP Using Firing Pin Aperture, Firing Pin Impression and Firing Pin Drag Marks
Steve Norris, Wyoming State Crime Laboratory - Cheyenne, WY

AFTE Digital Reference Collection (DRC) Committee Update
David Wright, Kansas Bureau of Investigation, Kansas City, KS

Disc 2

St. Valentine's Day Massacre
Lt. Michael Kline, Berrien County Sheriff's Department - St. Joseph, MI

Chamber Throat Marks on Bullets and Their Significance in Rifling Marks
Nancy McCombs, California DOJ-Fresno - Fresno, CA

Theory of Marking Reproducibility
Tsuneo Uchiyama, (Retired) National Research Institute of Police Science - Kashiwa, Japan

Similar Tools, Different Marks: The Identification of a Pry Bar and Crowbar to Two Sets of Marks at a Crime Scene
Erica Lawton-McWhite, Broward County Sheriff's Office - Ft. Lauderdale, FL

The Persistence of Chamber Marks Over 1,440 Firings of Two Semiautomatic Pistols
April Stowe, Southwestern Institute of Forensic Sciences - Dallas, TX

Pistol Barrel Discrimination: A Numerical Analysis
Rachel Bolton-King, Nottingham Trent University - Nottingham, England

Utilizing IBIS BULLETTRAX-3D's Sensor Capturing Technology to Examine Seating Marks on Fired Bullets
Deion Christophe, Oklahoma City Police Department - Oklahoma City, OK

Our Experience in Building a Laboratory Information Management System (LIMS)
Pavel Giverts, Israel Police Department - Israel

Infrared Imaging and Flashcorrelation: Achieving the Goal
John H. Dillon Jr., Independent Examiner - Manassas, VA

Disc 3

Technology Associated with Infrared Imaging of Cartridge Cases and Bullets and the Quantification of Comparison
Dr. Francine Prokoski, SED Technology, LLC - Fairfax, VA
FAID2009: Proficiency Test and Workshop  
Petra Pauw-Vugts, Netherlands Forensic Institute - Ypenburg, Netherlands

ASTM 1351-01 Method: Non-Destructive to Harvest and Analyses of Evidence on Firearms  
Fred Schmidt, Independent Forensic Investigator – Aurora, IL

The Use of Advanced 3D Imaging System in Firearms Identification  
Rocky Edwards, Santa Ana Police Department - Santa Ana, CA

Mirror Effect  
Evan Thompson, Arizona DPS Northern Regional Laboratory - Flagstaff, AZ

Virtual Manipulative Tools for Tool Mark Characterization  
Dr. Song Zhang, Iowa State University - Ames, IA

Investigating GSR Patterns using milli-X-Ray Fluorescence Techniques  
Rüdiger Schumacher, Forensic Science Institute of the Bundeskriminalamt - Wiesbaden, Germany

Chamber Marks - A Bridge Linking Application of CMS from Striated Tool Mark to Impressed Tool Mark  
Beta Tam, Independent Examiner - Hong Kong

An Introduction to the FMK Firearms model 9C1B Pistol  
April Wong, Los Angeles County Sheriff’s Department - Los Angeles, CA

Don’t Slip Up on the Slippage  
Manuel Muñoz, Los Angeles County Sheriff’s Department - Los Angeles, CA

An Introduction of the Forensic Science Society Firearms Diploma  
Alice Walters, Metropolitan Police Service - London, England

Disc 4

Correlation Algorithm of Conventional and EBIS Polygonal Bullets  
Dr. Danny Roberge, Forensic Technology, Inc. - Montreal, Canada

A Fatal SKS Incident  
Lucien C. Haag, Independent Examiner - Carefree, AZ

Bullets That Aren’t: Their Physical Characteristics and Their Exterior Ballistics Properties  
Lucien C. Haag, Independent Examiner - Carefree, AZ

Shooting Dynamics: Elements of Time & Movement in Shooting Incidents  
Alexander Jason, Independent Crime Scene Analyst - Pinole, CA

Bullet Signature Identification Using Topography Measurements and Correlations: The Unification of Microscope and Mathematical Comparisons  
Wei Chu, John Song, Robert Thompson, NIST - Gaithersburg, MD
Cartridge Case Signature Identification Using Topography Measurements and Correlations: Unification of Microscope and Mathematical Comparisons
Alan Zheng, Robert Thompson, NIST - Gaithersburg, MD

Understanding the Legislative Process as it Relate to the Forensic Reform
Amy Driver, Independent Consultant - Washington, D.C.

Forensic Examination in Grenade Launchers: Do They Leave Marks Sufficient Enough for Comparison Tests?
Nick Tsiatis, Hellenic Police Department - Athens, Greece

Why a Bullet Doesn't Behave Like a Rubber Ball - Ricochet on a Hard Surface
Thomas Liebsher, Forensic Science Institute of the Bundeskriminalamt - Wiesbaden, Germany

AFTE History
Charles Meyers, 2nd President of AFTE (1970-1971)