



AFTE 2012 Technical Session Schedule

Monday 6/25	Topic
	Color Guard
	Welcome
	Opening Remarks
	Opening Speaker
	AFTE 2013 Updates
	Consecutively Manufactured .25 F.I.E. Barrels- A Validation Study
	What's New In Ammunition
	AM Break
	The Effect of Vibratory Finishing on Broaching Marks as a Function of Time
	External Validation, The Symbolic Relationship Between Independent Examiners, and Examiners working in Crime Labs
	Reconsidering the Ballistic Imaging of Crime Bullets in Gun Law Enforcement Operations
	Glock Slide Research Announcement
	Lunch/ End of Presentations
	Business Meeting

Tuesday 6/26	Topic
	Exploring the Limit of Gunpowder Particle Quantity for Distance Determination
	An Unusual Toolmark and Fracture Match to a Smokestack from a 19th Century Steam Engine
	The Challenges of Capturing and Successfully Comparing Bullet Images
	Measurement Methods for Bullet Trajectory Rods- A Comparative Study
	AM Break
	Empirically Determined Frequency of Error In Cartridge Case Examinations Using a Double-Blind Format
	Tavor Weapons' Design, Manufacture and Forensic Aspects
	Bone Particles in Bullets: Their Forensic Value and Recognition
	Detection of Gunshot Residues After Treatment With Latent Blood and Fingerprint Enhancement Chemicals
	Lunch/ End of Presentations



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Wednesday 6/27	Topic
	Killed By a Newspaper?
	Marking Reproducibility Analysis on a Consecutively Fired Bullets
	Franken-Hybrid: Characteristics of A Select-Fire Hybrid Firearm/Paintball Marker
	Proposed "NIST Ballistics Identification System (NBIS)" Based on 3D Topography Measurements on Correlation Cells"
	AM Break
	Where Are the Bullets?
	Forensic Markings Found on the Components of 9mm Luger Cartridges Fired in A 357 SIG Sauer Model P229 Pistol
	Hole in One
	Lunch
	Breechface Subclass Characteristics of the Jimenez JA Nine Pistol
	NIST Bullet SRM 2460 Replication and Validation Using An Improved Vacuum Casting Method & Potential Evidentary Use
	PM Break
	SWGGUN Updates
	Fighting Cross-Border Crimes By Exchanging "Ballistic Data"- Will It Help?
	Pipe/Tubing Cutters are Capable of Generating Toolmarks Suitable For Comparison
	Firing Pin Aperture Study: Estimating Uncertainty Of Measurement and Usefulness for Class Characteristics
	Characteristics of Locally Made Firearms in Sri Lanka

Thursday 6/28	Topic
	Validation of 3D Confocal Microscopy For Comparative Analyses of 9mm Bullets
	Subclass Characteristics on CCI Speer Cartridge Case Heads
	Hyper Obturation and Recoil Induced Bullet Instability
	Legislative Update and More!



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AM Break
Forensic Value of Nails Added to IED's For Shrapnel
Meeting the ASCLD/ LAB Policy on Uncertainty Measurement (UM) in the Firearms and Toolmarks unit
Lunch
Insecurity Engineering and Defective Gun Safe Designs
Firearm and Tool Mark Documentation in High Definition
3D Laser Scanning for Bullet Path Reconstruction Helps Convict a Cop Killer
End of Technical Session
Raffle