Technology Integration

Session Agendas

2008 Triennial Meeting

of the

International Association of Forensic Sciences (IAFS)

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Clinical Forensic Medicine

World Police Medical Officers

	Moderators:	Philip S.L. Beh, The University of Hong Kong SAR	of Hong Kong	William P. Ryan, MBBS Nowra, Australia	
8:30 a.m.	- 9:00 a.m		Healthcare Issue Jason Payne-James	s of Detainees in Police Custody, London, UK ;, LLM, MSc, MBBS*; P.G. Green, DMJ; Natasha Green, BA; 5, MBBS; Greta McLachlan; Tara Moore, PhD, BS	
9:00 a.m.	- 9:20 a.m	n. 541	in Turkey	uation of Juveniles Directed to Delinquent Behavior Yilmaz, MD*; Sema Demircin; Veli Ozdemir; Surpinar, MD*	
9:20 a.m.	- 9:40 a.m	n. 220		od for Analysis on Cause of Death and Injury M; Xiao-Jun Yu, PhD*; Yi Lu, BM; Shu-Wei Yu, BM	
9:40 a.m.	- 10:00 a.m	n. 673	Retrospective An Thessaloniki-Hel Spyridon G. Koutso		
10:00 a.m.	- 10:30 a.m	۱.	Break		
	Moderators:	Guy A. Norfolk, Royal College of Bristol, United k	f Physicians	Patricia A. Ryan, MBBS Nowra, Australia	
10:30 a.m.	- 10:50 a.m	n. 239		Familial Sexual Crimes: Consequences Severity MD*; Katerina Puentes, MD; Eduarda Matos, MSc; MD, PhD	
10:50 a.m.	- 11:10 a.m	n. 93	Rape Epidemic ir Banwari L. Meel, M	Mthatha Area of South Africa	
11:10 a.m.	- 11:40 a.m	ι.	Break		
11:40 a.m.	- 12:00 p.m	n. 694	Road Accidents	Management of Craniocerebral Traumatized Patients in men Stan, MD, PhD	n
1:00 p.m.	- 1:20 p.m	n. 577	Missed Ectopic P Ramesh K. Sharma	regnancy Leading to Death – Medicolegal Perspective , <i>MD</i> *	
1:20 p.m.	- 1:40 p.m	n. 388	Forensic Clinical (LAVS) of Three Shengli Di*	Appraisal About Large Vestibular Aqueduct Syndrome Cases	
1:40 p.m.	- 2:00 p.m	n . 686	Spectrum of Fata A 30-Year Autop Dalbir Singh, MD*	l Common Household Poisoning in North West India: sy Experience	

Criminalistics

	Moderator:	Patrick Buzzini, M Forensic Investiga West Virginia Uni Morgantown, WV	ative Science versity
9:00 a.m.	- 9:30 a.m	n. 117	The Development and Evaluation of Radiological Decontamination Procedures for Forensic Evidence <i>Andrew G. Parkinson, BSc*; Michael Colella, MSc; David Hill, BSc;</i> <i>Tegan C. Evans, BSc; Claude P. Roux, PhD</i>
9:30 a.m.	- 9:50 a.m	n. 148	The Effects of Ionising Radiation Exposure on the Forensic Assessment of Critical Trace Evidence <i>Michael Colella, MSc*; Andrew G. Parkinson, BSc; Tegan C. Evans, BSc;</i> <i>Claude P. Roux, PhD; Chris J. Lennard, PhD; Serena Abbondante, BSc;</i> <i>James Robertson, PhD</i>
9:50 a.m.	- 10:05 a.m	n. 156	A New Statistical Method to Assess the Number of Fibers Transferred by a Textile on Car Seats Genevieve Massonnet*; Florence Monard Sermier
10:05 a.m.	- 10:20 a.m	n. 243	Spectral Analysis of Metameric Blue Fibers and Their Forensic Significance <i>Paul Martin, PhD*; Mary Eng, BS; Candida Bhagwandin, BS</i>
10:20 a.m.	- 10:45 a.m	1.	Break
		Robin Bowen, MA West Virginia Unive Morgantown, WV	ersity
10:45 a.m.	- 11:15 a.m	n. 280	Trace Element Analysis Using X-Ray Fluorescence Microscope Sergey Mamedov, PhD*; Jon Goldey, MS; George Setola, MS; Andrew Whitley, PhD
11:15 a.m.	- 11:45 a.m	n. 550	Application of Cathodoluminescence Microspectrophotometry for the Forensic Comparison of Concrete Samples Graham F. Peaslee, PhD*; Christopher S. Palenik, PhD; JoAnn Buscaglia, PhD
11:45 a.m.	- 12:05 p.m	n. 397	What is the Occurrence of Petrol Traces in Car Boots? An Australian Survey Michelle Hancock, BSc; Philip Maynard, PhD*; Karen Cavanagh-Steer, BSc; Naomi Speers, PhD; Claude P. Roux, PhD
	Moderator:	John D. De Haan Fire-Ex Forensics, Vallejo, CA	
1:30 p.m.	- 1:45 p.m	n. 556	The Detection of Organic Explosives Using Lab-on-a-Chip Technology Alison Beavis, BSc; Philip Doble, PhD; Ilona Kramer, BSc*; Philip Maynard, PhD; Michael Dawson, PhD; Chris J. Lennard, PhD; Claude P. Roux, PhD
1:45 p.m.	- 2:15 p.m	n. 629	Identification of Synthetic Fibers Using Hotstage Microscopy and Eutectic Melting Point With P-Nitrophenol <i>Kelly M. Brinsko, MS*</i>
2:15 p.m.	- 2:30 p.m	n. 47	The Application of an Activated Carbon Membrane for Analysis of Ignitable Liquid Residues Ruiqin Yang, PhD*; Wenlin Xie, BS
2:30 p.m.	- 2:50 p.m	n. 398	Analysis of Emerging Explosive Mixtures and Explosive Precursors Henriques Noel, BSc; Philip Maynard, PhD*; Philip Doble, PhD; Sonia Taflaga, PhD

2:50 p.m.	-	3:10 p.m.		Break
3:10 p.m.	-	3:30 p.m	557	Analysis of Organic Explosives via Rapid Resolution Liquid Chromatography Triple Quadrupole Mass Spectrometry Alison Beavis, BSc; Jessica Booth, BSc*; Tessa Barrett, BSc; Claude P. Roux, PhD; Philip Doble, PhD
3:30 p.m.	-	4:00 p.m.	502	An Overview of the Construction, Chemical Nature, and Laboratory Analysis of Chemical Reaction Bombs Vincent J. Desiderio, MS*; Peter Diaczuk, BS
4:00 p.m.	-	4:25 p.m	606	Urea Nitrate: A Powerful Explosive That is Easier to Make Than Frying an Egg Joseph Almog, PhD*
4:25 p.m.	-	4:40 p.m	705	Blood on Black - Using Polarized Light to Enhance Bloodstains on Dark Surfaces Rebecca Bucht*; Peter R. De Forest, DCrim; Frani Kammerman; Brooke Weinger
4:40 p.m.	-	5:00 p.m	722	Nanomanipulation Coupled to Nanospray Mass Spectrometry: Applications to Direct Cell Probing and Trace Fiber Analysis Nicole R. Ledbetter*; Guido F. Verbeck, PhD

Drugs of Abuse

Cocaine

	M	oderator:	Sanford A. Angel Aris Associates, L Chicago, IL	
8:45 a.m.	-	9:00 a.m		Introduction
9:00 a.m.	-	9:20 a.m	. 35	A Simple Methodology for Routine Coca Leaves Analysis Nestor A. Gomez Guerrero, BS*
9:20 a.m.	-	9:40 a.m	. 164	Determination of Cocaine and its Metabolite Benzoylecgonine in Hair Using Liquid Chromatography-Tandem Mass Spectrometry <i>Ping Xiang*; Min Shen, Qiran Sun</i>
Steroids				
9:40 a.m.	-	10:00 a.m	. 196	Physiological Concentrations of Endogenous Anabolic Steroids in Human Hair <i>Min Shen*; Ping Xiang, MS*</i>
10:00 a.m.	-	10:20 a.m	. 130	Proteomics-Based Method for the Identification of Human Growth Hormone (HGH) Eric S. Wisniewski, PhD*; David K. Rees, MS; Esther W. Chege, MS
10:20 a.m.	-	10:40 a.m		Break
Cannabis				
10:40 a.m.	-	11:00 a.m	. 638	Operation Reap - Towards True Hydroponic Yield Estimates <i>Glenys A. Knight, BSc*; Sean Hansen</i>
11:00 a.m.	-	11:20 a.m	. 100	Remote Detection of Outdoor Cannabis Grow-Ops Margaret Kalacska, PhD; Brian Thiessen, BSc*

*Presenting Author

	Scientific Sessions — Thursday						
11:20 a.m.	- 11:40 a.m. 661	Analyzing Salvia Divinorum and its Active Ingredient Salvinorin A Utilizing Thin Layer Chromatography and Gas Chromatography / Mass Spectrometry John D. Jermain, MS*					
11:40 a.m.	- 12:00 p.m. 703	The Scientific Working Group for the Analysis of Seized Drugs (SWGDRUG) Scott R. Outlon, BS*					
	Moderator: Jeffrey H. Com U.S. Drug Enfo Dulles, VA	parin, BS rcement Administration					
1:00 p.m.	- 3:30 p.m. 506	Fentanyl, Multiple Fatalities, and Forensic Science: A Multidisciplinary Symposium Ira S. Lurie, MS*; Arthur Berrier, PhD*; Daniel S. Isenschmid, PhD*; J. Scott Denton, MD*; Shinichi Suzuki, PhD*					

Fingerprint Detection and Identification

	Moderator:	Kathryn Siegfried Purdue Universit West Lafayette,	У
8:30 a.m.	- 8:50 a.n	n. 83	A Long Afterglow Phosphor Powder for Fingerprint Detection Li Liu*; Zhongliang Zhang, MS
8:50 a.m.	- 9:10 a.n	n. 394	Ascorbic Acid Analogues as Reagents for the Detection of Latent Fingermarks - Analysis of the Reaction With Amino Acids Freya Turner, BSc*; Ronald Shimmon, PhD; Philip Maynard, PhD; Claude P. Roux, PhD; Chris J. Lennard, PhD
9:10 a.m.	- 9:30 a.n	n. 553	The Application of Anti-Stokes Luminescence for the Detection and Enhancement of Latent Fingermarks <i>Elicia Bullock, BSc*, Philip Maynard, PhD, Brian J. Reedy, PhD,</i> <i>Chris J. Lennard, PhD, Claude P. Roux, PhD</i>
9:30 a.m.	- 9:45 a.n	n. 48	Preparation and Usage of a New Fingerprint Developing Membrane Ruiqin Yang, PhD*; Wenlin Xie, BS
9:45 a.m.	- 10:05 a.n	n . 578	Diacetylene Copolymers for Fingerprint Development Meena Mikhael, BSc; Mark Tahtouh, BSc; Brian J. Reedy, PhD*
10:05 a.m.	- 10:30 a.n	n.	Break
	Moderator:	Victor Weedn, M Office of the Sta Trenton, NJ	<i>ID, JD te medical Examiner</i>
10:30 a.m.	- 11:00 a.n	n. 623	Subsequent Chemical Treatment for the Enhancement of Latent Prints Developed with Silver Physical Developer David E. Burow, BS, MSFS*
11:00 a.m.	- 11:30 a.n	n. 390	Mechanism Studies on the Indanedione-Zinc Reagent Xanthe M. Spindler, BSc*; Ronald Shimmon, PhD; Claude P. Roux, PhD; Chris J. Lennard, PhD
11:30 a.m.	- 11:45 a.n	n. 128	Application of Functionalized Nanoparticles for Developing Latent Fingerprints Yuan Feng Wang, DSc*; Rui Qin Yang, DSc; Yan Ji Wang, DSc; Ke Zhao, MSc; Yong Feng Zhao, MSc; Zhi Xia Shi, MSc; Jian Jun Liu, DSc

11:45 a.m.	-	12:00 p.m	. 56	The Quantification of Fingerprint Quality Using a Relative Contrast Index <i>Jill D. Humphreys, BSc*; Glenn Porter; Michael Bell</i>
	Мс	oderator:	Susan M. Ballou, NIST, Law Enford Gaithersburg, Mi	cement Standards
1:30 p.m.	-	2:00 p.m	a. 324	Human Identification by Means of Sweat Pores Carlos E. Alvarez Cruz*
2:00 p.m.	-	2:20 p.m	a. 276	Development of a Digital Imaging Process for Indirect Latent Fingermark Comparison in Research Shaheen B. Aumeer-Donovan, BSc*; Bruce Comber; Chris J. Lennard, PhD; Claude P. Roux, PhD
2:20 p.m.	-	2:40 p.m	a. 277	A Preliminary Evaluation of the Use of an Inkjet Printer to Produce a Latent Fingermark Standard Shaheen B. Aumeer-Donovan, BSc*; Chris J. Lennard, PhD; Claude P. Roux, PhD
2:40 p.m.	-	3:00 p.m	ı. 533	Digital Measuring Fingerprint and Palmprint Details: A New Technique of Digital Identification John Wang, PhD*
3:00 p.m.	-	3:30 p.m	l.	Break
3:30 p.m.	-	4:15 p.m	. 88	Validation and Implementation of Probabilistic Based Fingerprint Evidence Cedric Neumann*; Nicole Egli; David Reynolds; Paul Chamberlain

Firearm / Toolmark Examination & Identification

	Мс	oderator: TBD		
1:30 p.m.	-	1:45 p.m.	480	Comparing Two Methods of Analysis: Application of Factorial Design to the Evaluation of Modified Griess Test <i>Cristian Lizama, BSc*; Rubén Arancibia, BSc*; Marcelo Higuera, BEngSc.;</i> <i>Sylvia Figueroa, BSc; Mario Ollino, DrSc</i>
1:45 p.m.	-	2:05 p.m.	657	Determination of Direction of Shot at Presence of One Track of Shell on a Barrier Bukenbay Bishmanov, PhD*; Konstantin Alexsandrov*
2:05 p.m.	-	2:25 p.m.	535	Digital Measuring Rifling Angle: A New Technique of Digital Identification John Wang, PhD*
2:25 p.m.	-	2:55 p.m.	555	Laser Ablation ICP-MS of Metal Particles Generated From the Illicit Removal of Firearm Serial Numbers Julia F. Norman, BSc; Philip Doble, PhD; Alison Beavis, BSc*; Steele Diggles, BSc; Eric Davies; Claude P. Roux, PhD
2:55 p.m.	-	3:30 p.m.		Break
3:30 p.m.	-	3:50 p.m.	193	Reproducibility of Ejector Marking on Expended Cartridge Cases <i>Tsuneo Uchiyama</i> *
3:50 p.m.	-	4:05 p.m.	696	The Identification of Bullets Fired From Ten Consecutively Rifled 9mm Pistol Barrels – A Research Project Involving 446 Forensic Scientists From Laboratories in 18 Countries James E. Hamby, PhD*; David J. Brundage, MS; James W. Thrope, PhD

Forensic Biology, DNA Profiling, and Serology

	Moderator:	Lawrence A. Qua Cedar Crest Colle Allentown, PA	
8:30 a.m.	- 8:55 a.m	n. 554	Application of the VALID [™] Software to Manage Quality Assurance Activities Jacki Benfield, BS*
8:55 a.m.	- 9:15 a.m	n. 166	Success Rate of DNA-Typing of Vaginal and Anal Swabs in 34 Sexual Assault Cases Kim Vos, MSc*
9:15 a.m.	- 9:30 a.m	a. 246	Micromanipulation Separation of Cells for Short Tandem Repeat Analysis Lan Hu, MD*; An-Quan Ji, MS; Cai-Xia Li, MD; Qin Su, MS; Xin Li, MS
9:30 a.m.	- 9:45 a.m	n. 238	Comparison of Five Fabric Types as a Swabbing Medium for the Removal of DNA From a Glass Surface <i>Stacie Kaufman*; Christina Mulligan*; Lawrence A. Quarino, PhD</i>
9:45 a.m.	- 10:15 a.m	1.	Break
	Moderator:	Stacie R. Kaufma Cedar Crest Colle Allentown, PA	
10:15 a.m.	- 10:40 a.m	n. 561	Advancing Microfluidic Systems Honed for Forensic DNA Analysis James P. Landers, PhD*
10:40 a.m.	- 11:05 a.m	n. 262	Genebench-FX [™] : Towards Sample-In to Results-Put Analysis of Forensic Samples in Under 45 Minutes Eugene Tan, PhD*
11:05 a.m.	- 11:20 a.m	n. 586	A Multiplexed SNP Detection Assay for Human Identification <i>Rixun Fang, PhD*; Fiona Hyland, PhD; Pius Brzoska, PhD; Jaiprakash Shewale, PhD;</i> <i>Judith R. Kidd, PhD; Kenneth K. Kidd, PhD; Manohar R. Furtado, PhD*</i>
11:20 a.m.	- 11:35 a.m	a. 664	Haplotype Block: A New Type of Forensic DNA Markers Jianye Ge, MS*; Huifeng Xi, MS; Bruce Budowle, PhD; Ranajit Chakraborty, PhD
11:35 a.m.	- 11:55 a.m	n. 174	Development of a Forensic Screening Tool: The PowerPlex® S5 System Katie Zurbuchen, MS; Dawn Rabbach; Patricia Fulmer, PhD; Cynthia Sprecher, BS; Rita Weispfenning, PhD; Melissa Schwandt, PhD*; Curtis Knox, BS; Douglas Storts, PhD
	Moderator:	Lucy Davis Houch LDH Consultants, Morgantown, WV	LLC
1:30 p.m.	- 1:50 p.m	n. 379	Sequential Unmasking: A Means of Minimizing Observer Effects in Forensic DNA Interpretation Dan E. Krane, PhD; Simon Ford, PhD; Jason Gilder, PhD, JD; Keith Inman, MCrim*; Allan Jamieson, PhD; Roger Koppl, PhD; Irv Kornfield, PhD; D. Michael Risinger, JD; Norah Rudin, PhD; Marc S. Taylor; William Thompson, PhD, JD
1:50 p.m.	- 2:15 p.m	a. 368	Analytical Principals in the Interpretation of DNA Profiles Bruce R. McCord, PhD*

2:15 p.m.	-	2:35 p.m.	175	Validation of an Extraction Methodology for Obtaining of High Quality Genomic DNA From Forensic Evidence Samples Maxim G. Brevnov, PhD; Hemant S. Pawar, PhD; Janna Mundt, PhD; Manohar R. Furtado, PhD; Jaiprakash G. Shewale, PhD*
2:35 p.m.	-	2:55 p.m.	146	An Automated System for the High-Throughput Processing of Differential Extraction Samples Ryan Olson, BS; Christopher Cowan, PhD; Melissa Schwandt, PhD*; Curtis D. Knox, BS; Doug Storts, PhD
2:55 p.m.	-	3:25 p.m.		Break
	Мо		h E. Warren on, TX	n, PhD
3:25 p.m.	-	3:50 p.m.	139	A DNA-Based Multiplex Screening Tool for Separation of Fragmented and Commingled Skeletal Remains Angela Ambers, MS*; Meredith Turnbough, MS; Rhonda Roby, MS; Joseph E. Warren, PhD; Robert Benjamin, PhD
3:50 p.m.	-	4:10 p.m.	362	The STR Profiling of Human Tissues Fixed in Unbuffered Formalin <i>Liu Yan, BS</i> *
4:10 p.m.	-	4:25 p.m.	118	The Stability of DNA Extracted From Bones by Developed Silica-Based Method Tuo Ya, PhD*; Zheng Hai-Bo, MS; Zhang Hong-Bo, PhD; Li Sheng-Bin, PhD
4:25 p.m.	-	4:35 p.m.	201	Study on the Construction of D2S1 338 Allelic Ladder <i>Li Yuan, MS*; Tao Cheng Jiang, MS</i>

Forensic Nursing and Sexual Assault Examination

	Moderator:	Virginia A. Lynch University of Col Colorado Spring.	lorado at Colorado Springs
8:00 a.m.	- 8:30 a.n	n. 237	The Impact of Forensic Nursing and Its Effectiveness in Criminal Justice <i>Michele Bishop, MS*</i>
8:30 a.m.	- 9:00 a.n	n. 274	Exploring the Role of Forensic Nursing: Implementation of a SANE Program in the Capital City Wanda L. Pezant, BSN, RN*; Randall Brown, MD*
9:00 a.m.	- 10:00 a.m	n. 653	Preparing the Clinical Forensic Nurse for Criminal Trial Testimony Jamie J. Ferrell, BSN, RN*
10:00 a.m.	- 10:30 a.m	۱.	Break
10:30 a.m.	- 11:00 a.m	n. 648	Sexual Abuse of the African Child and the Forensic Nurse Examiner Virginia A. Lynch, MSN, RN*
11:00 a.m.	- 12:00 p.n	n. 662	Assessment of Strangulation in the Clinical Setting to Trial Presentation Tiffani Dusang, BSN, RN*

	Mo	U	irginia A. Lynch niversity of Col olorado Springs	orado at Colorado Springs
1:00 p.m.	-	2:00 p.m.	663	Recognition of Domestic Violence During Pregnancy Floyd Hand, RN*
2:00 p.m.	-	2:30 p.m.	716	Victim Education Regarding Expectations of the "CSI Effect" Valerie K. Fahrnow, BS, BSN, RN*
2:30 p.m.	-	3:00 p.m.		Break
3:00 p.m.	-	3:45 p.m.	713	Forensic Nursing Science: Sexual Trauma and Death Investigation Virginia A. Lynch, MSN, RN*
3:45 p.m.	-	4:30 p.m.	717	Touch and Transfer DNA Samples — Evidence of the Future: Misconception, Potentials, and Real Life Applications Valerie K. Farhnow, BS, BSN, RN*

Forensic Odontology

	Мс	oderator:	Philip J. Levine, L Pensacola, FL	DDS
3:30 p.m.	-	3:50 p.m	. 652	Age Determination From Fetus and Infant Teeth Sema P. Aka*; Nergis Canturk, MD; Murat Yagan, MD; Rukiye Dagalp, PhD
3:50 p.m.	-	4:10 p.m	. 646	Clinical Radiological 2nd and 3rd Molar Ossification vis-à-vis Epiphyseal Changes in the Elbow Region of Cosmopolitan Indians Compared With the Three Major Malaysian Races George Paul, MBBS, MD, DMJ*
4:10 p.m.	-	4:30 p.m	. 600	Dental Chart Identification of a Dismembered Female Body Mary Piamba*
4:30 p.m.	-	4:50 p.m	. 545	Forensic Approach in Cases of Professional Odontological Responsibility in Colombia Jorge Alfonso Casas Martinez*
4:50 p.m.	-	5:20 p.m	. 219	Identification of an Unidentified Skeletal Assemblage From a Mass Grave - 1755 Earthquake of Lisbon: Palaeodemography and Palaeopathology Identification by Dental Parameters - Part I Cristiana Maria P. Pereira, DDS*; Mário Filipe Bernardo, PhD; Maria Cristina de Mendonça, PhD; Miguel Telles Antunes, PhD; Jorge Costa Santos, PhD
5:20 p.m.	-	5:35 p.m	. 38	Hurricane Katrina - Recovery and Identification of the Victims Robert E. Barsley, DDS, JD*
5:35 p.m.	-	5:50 p.m	. 32	Weighing of Highly Significant Dental Features in Forensic Identifications Herman Bernitz, BChD, PhD*

Forensic Pathology

	Μ	oderator:	James G. Young, Wyevale, Ontaric Canada	
9:00 a.m.	-	9:15 a.m	. 269	A Series of Accidental Hanging Deaths in Children Serafettin Demirci, MD; Kamil Hakan Dogan, MD*; Mete K. Gulmen, MD; Zerrin Erkol, MD
9:15 a.m.	-	9:35 a.m	. 106	An Autopsy-Based Retrospective Study of Injury Patterns of Homicide in Hong Kong: Injuries Pattern, Severity, and Prediction of Motive and Relationship With the Offender Kwan Ip Au*; Philip S.L. Beh, MBBS, DMJ
9:35 a.m.	-	9:55 a.m	. 430	An Unusual Case of Multiple Gunshot Suicide Andreas K. Marnerides, MD*; Eleni Zangelidou, MD, PhD; Roumbini Leontari, MD, PhD
9:55 a.m.	-	10:10 a.m	. 72	Analysis of 32 Deaths During Aesthetic Procedures Jorge E. Paredes, MD; Andres D. Restrepo, MD*
10:10 a.m.	-	10:30 a.m		Break
10:30 a.m.	-	10:45 a.m	. 337	Analysis of Postmortem Metabolic Changes Using ATR-Fourier Transform Infrared Spectroscopy Ping Huang, MD*; Ke Yong, BS; Bo Xin, BS; Tuo Ya, BS; Guangde Yang, PhD; Zhenyuang Wang, MD, PhD
10:45 a.m.	-	11:00 a.m	. 119	Autopsy in Iran, a Legend or a Nesessity? Current Problems of Doing Autopsy in a Moslem Country, Iran Hamid Reza Sharifzad*; Roya Rategh
11:00 a.m.	-	11:40 a.m	. 609	Characterization of the Cases of Cyanide Poisoning - Bogota, Colombia 1997-2007 <i>Adriana Garcia*</i>
11:40 a.m.	-	12:10 p.m	. 601	Comparison of Atherosclerosis Ratio of Three Main Arteries at Autopsies in Trabzon <i>Nursen Turan*; Ismail Birincioglu*; Yavuz Ozoran; Umit Cobanoglu; Mehmet Ali Ca</i>
1:30 p.m.	-	1:45 p.m	. 151	Establishment of the Model of TSAH and a Study on Relationship Between TSAH and Blood Alcohol Concentration in Rats Shu-Wei Yu, BM; Xiao-Jun Yu, PhD*; Yi Lu, MM; Bo Hu, BM
1:45 p.m.	-	2:05 p.m	. 103	Fracture of the Cricoid as a Potential Pointer to Homicide: A Six Year Retrospective Study of Neck Structures Fractures in Hanging Victims Anny Sauvageau, MD, MSc*; Caroline Tanguay, MD, MSc
2:05 p.m.	-	2:20 p.m	. 666	Mechanisms of Delayed Splenic Rupture: A New Hypothesis Sarathchandra Kodikara, MBBS, MD, DLM*; Murugapillai Sivasubramanium, MBBS, MD, DLM
2:20 p.m.	-	2:35 p.m	. 28	Postmortem Alterations in the Muscle: Time and Temperature Dependence of Selective Protein Markers Shashi K. Jasra, PhD*; Ashley Lutz; Crystal Abbas, BS; Alden Warner, PhD
2:35 p.m.	-	3:00 p.m	. 109	Risk of Hand-Grenade Explosion and Public Health in Transkei Region of South Africa - Case Reports <i>Banwari L. Meel, MD</i> *
3:00 p.m.	-	3:30 p.m		Break

3:30 p.m.	-	3:45 p.m.	678	Simultaneous Sudden Infant Death in Twins From Brugada Syndrome - Critical Forensic Issues in Death Investigation and the Role of DNA Testing Steven B. Karch, MD*; Irene Riezzo, MD; Stefano Neri, MD; Christoforo Pomara, MD
3:45 p.m.	-	4:05 p.m.	102	Six Year Retrospective Study of Suicidal Hangings: Determination of the Pattern of Limb Lesions Induced by Body Responses to Asphyxia by Hanging Anny Sauvageau, MD*
4:05 p.m.	-	4:25 p.m.	321	Study of Relationship Between the Pathological Change of Intima and Internal Elastic Lamina in Human Coronary Artery and the Coronary Heart Disease and Sudden Coronary Death Xinshan Chen, MD*; Guoyan Liu, MD
4:25 p.m.	-	4:40 p.m.	152	Study on Vascular Morphology and Biomechanics of Traumatic Subarachnoid Hemorrhage in Acute and Chronic Alcoholism in Rats Hai-Peng Wang, MM; Xiao-Jun Yu, PhD*; Guo-Hui Xu, MM; Yi Lu, BM
4:40 p.m.	-	4:55 p.m.	211	Sudden Death Due to Colloid Cyst of the Third Ventricle and a Special Sign at Autopsy: Three Case Reports Serafettin Demirci, MD*; Kamil Hakan Dogan, MD; Zerrin Erkol, MD; Mete Korkut Gulmen, MD

Forensic Science Education

New Topics in Training

	Moderator:		Max M. Houck, West Virginia U Morgantown, W	versity	
2:40 p.m.	-	3:00 p.m	. 692	National Footwear Training in the United Kingdom Shaun P. Mallinson*	
3:00 p.m.	-	3:30 p.m		Break	
3:30 p.m.	-	3:45 p.m	. 597	A New Model of Teaching Forensic Science at Universities Piotr A. Girdwoyn*; Tadeusz J. Tomaszewski	
3:45 p.m.	-	4:00 p.m	. 341	Applied Research on the Teaching Method of PBL in Forensic Pathology Xinshan Chen*	
4:00 p.m.	-	5:00 p.m	. 182	Implementation of a Country Forensic Education Structure as a Foundation for Harmonizing Forensic Procedures at the National Level Renato Barbosa Barbosa*	

Law and Ethics

	M	oderator:	Anjali R. Swiento SciLawForensics, Germantown, MI	Ltd.
9:00 a.m.	-	9:30 a.m	. 244	Scientifically Flawed Forensic Opinions: A Systemic Solution to an Enduring Problem Thomas L. Bohan, PhD, JD*
9:30 a.m.	-	9:40 a.m	. 133	"Transplant Tourism:" The Indian Perspective of an International Pandemic <i>Yogender S. Bansal, MBBS, MD, DHA*; Harish Dasari, MBBS, MD</i>
9:40 a.m.	-	10:00 a.m	. 691	Damned if You Do, Damned if You Don't Karin A. Margolius, LLB, MBBCH*; Judith G. Fordham, BSc, LLB
10:00 a.m.	-	10:30 a.m		Break
10:30 a.m.	-	10:45 a.m	. 569	Electron Microscope (SEM Analysis) in Medical Malpractice Cases Nur Birgen, MD*; Salih Cengiz; Meltem Demir; Ozlem Ýcmeli
10:45 a.m.	-	11:00 a.m	. 383	The Statistic of the Legislation on Brain Death in Ethnics Gexin Liu*

Questioned Documents

	Mo	oderators:	Peter V. Tytell, BA Forensic Research New York, NY	5,
9:00 a.m.	-	9:20 a.m	. 167	Counterfeit Currency Meenakshi Mahajan, PhD*; Visheshwar Sharma, MSc
9:20 a.m.	-	9:40 a.m	. 377	Application of the Raman Spectroscopy and μ-XRF Method Examination of Laser Printer Toners Che Xu*, Yiwen Luo, Xu Yang, Shaopei Shi, Jianhua Xi, Xinwei Bian, Weilong Sun
9:40 a.m.	-	10:15 a.m	. 17	Determination of Paper Types and Additives Using Direct Analysis in Real Time Mass Spectrometry (DART-MS) Jeanette Adams, PhD*
10:15 a.m.	-	10:50 a.m		Break
10:50 a.m.	-	11:05 a.m	. 534	Examination of Secondary Latent Type Impressions – A Novel Method Meenakshi Mahajan, PhD*; Visheshwar Sharma, MSc; Satya Prakash Arya, PhD
11:05 a.m.	-	11:35 a.m	. 636	Reflection Transformation Imaging (RTI) and 3D Evidence Capture <i>Elaine X. Wooton</i> *
11:35 a.m.	-	11:50 a.m	. 378	The Microscopic Characteristics of the Crossing Area in Sequencing of Stamp Impressions and Written/Printed Words Xu Yang*; Shaopei Shi; Che Xu; Huanggui Qian
11:50 a.m.	-	12:00 p.m		Questions and Discussion

	Мо	derators:	Peter V. Tytell, B Forensic Researc New York, NY	
1:00 p.m.	-	1:30 p.m	. 642	Potential Applications of Interferometry to Questioned Document Analyses Andrew Barton, BSc*
1:30 p.m.	-	1:50 p.m	. 376	Three Issues Related to Identification of Stamp Impressions Shaopei Shi, BS*; Xu Yang, BS; Huanggui Qian, BL; Che Xu, BE
1:50 p.m.	-	2:10 p.m	. 395	The Study of the Relative Age of Seal Stamps by TLC Shuang Hu*
2:10 p.m.	-	2:40 p.m	. 704	Well Founded Eliminations Robert J. Muehlberger, BA*
2:40 p.m.	-	3:00 p.m		Break
3:00 p.m.	-	3:30 p.m		Panel Discussion: Evaluation of Observations and Strength of Conclusions <i>Peter V. Tytell, BA*; Robert J. Muehlberger, BA*</i>

Computer Forensics and Digital Evidence

	Moderator:		<i>Carrie M. Whitco</i> <i>National Center</i> <i>University of Cen</i> <i>Orlando, FL</i>	for Forensic Science
1:30 p.m.	-	1:50 p.m	. 26	Computer Forensics With Improved Framework Model Sundresan Perumal*; Norita Md Norwawi
1:50 p.m.	-	2:20 p.m	. 138	Video File Recovery and Playback <i>Rikkert Zoun, MS*; Zeno J. Geradts, PhD</i>
2:20 p.m.	-	2:30 p.m	. 288	Getting Computer-Stored Evidence by Programming With .Net Framework <i>Meng Ding, MS*</i>
2:30 p.m.	-	2:50 p.m	. 172	Forensic Investigations on Code Protected Microprocessors Jürgen Frinken*; Johann Machnik
2:50 p.m.	-	3:30 p.m		Break
3:30 p.m.	-	4:00 p.m	. 333	Techniques for Automating Windows Event Log Forensics Carey R. Murphey, PhD*

Crime Scene Investigation and Police Science

	Moderator:	Robert A. Freed, Lansdale, PA	BS
8:30 a.m.	- 9:00 a.r	n. 690	Accreditation of Crime Scene Investigation Peter W. Pfefferli*
9:00 a.m.	- 9:30 a.r	n. 487	Crime Scene Search Theory H. Dale Nute, PhD*; Mark Feulner, MA
9:30 a.m.	- 9:55 a.r	n. 697	Forensic Science Competence in the Police Service – Building Knowledge to Reduce Crime Samantha Frost*
9:55 a.m.	- 10:15 a.r	n. 681	Raising the Standards of Professional Practice — CSIs & Fingerprint Examiners Peter Walters, BA*
10:15 a.m.	- 10:30 a.r	n.	Break
10:30 a.m.	- 10:45 a.r	n. 644	Palm and Foot Impressions: Their Accuracy in Reconstructing Stature <i>Nasir Ahmed, MSc; Ruma Purkait, PhD</i> *
10:45 a.m.	- 11:05 a.r	n. 75	Bloodstained Footwear Impression Enhancement: Comparison of Infrared Photography to Diaminobenzidine (DAB) Treatment James A. Bailey, PhD*; Daniel J. Swart, PhD
11:05 a.m.	- 11:25 a.r	n. 85	A Profile of Non-Natural Deaths in the Area of Transkei South Africa Banwari Meel, MD*; Ram Prakash Kaswa, MBBS
11:25 a.m.	- 11:40 a.r	n. 59	Bodies in Parcels Fawzi A. Benomran, MB, ChB, MSc, DCH, MD*

11:40 a.m.	- 11:55 a.m.	49	A Case Study of Racehorse Sample Matching Using a Novel 24-plex STR Typing System Jin-Wen Chen, PhD*; Cornelius E. Uboh, PhD; Lawrence R. Soma, VMD
11:55 a.m.	- 12:15 p.m.	560	Investigation Into a Screening Method for Trace DNA Detection at the Crime Scene Kate Howson, BSc; Jennifer Raymond, BSc; Laszlo Szabo, PhD; Peter R. Gunn, PhD; Chris J. Lennard, PhD; Claude P. Roux, PhD*

Criminal Profiling

	Ма	oderator:	James M. Adcock University of New West Haven, CT	,
1:00 p.m.	-	1:45 p.m	. 161	Combating Child Sexual Exploitation in Colombia – Presentation of an Investigator and Crime Scene Analyst's Manual – Guideline <i>Gloria Guzman, LD*; Maria D. Sanchez, MD*</i>
1:45 p.m.	-	2:30 p.m	. 375	Self-Reported Female Consumers of Internet Child Pornography: A Psychological Analysis Kathryn C. Seigfried, MA*; Marcus K. Rogers, PhD
2:30 p.m.	-	2:50 p.m	. 670	Deciphering Who Killed the Prostitute Utilizing Keppel and Walter's Revised Classification Model for Understanding Sexual Murder <i>James M. Adcock, PhD*</i>

Drugs of Abuse

New Technologies

		Sanford A. Ange Aris Associates, Chicago, IL	
8:45 a.m.	- 9:00 a.m.	. 711	DESI-MS: A New Tool for Forensic Chemistry Laboratories Sandra E. Rodriguez-Cruz, PhD*
9:00 a.m.	- 9:30 a.m.	. 36	Drugs of Abuse and Smuggling Techniques Used in Colombia Néstor A. Gómez Guerrero, BS*
9:30 a.m.	- 10:00 a.m.	. 603	Direct Multi-Analyte Detection of Contact Residues and Metabolites in Latent Fingerprints Using SALDI-TOF-MS-MS Frederick J. Rowell, PhD*; John Seviour, BSc
10:00 a.m.	- 10:30 a.m.	. 407	Characterization of Carbon Paper From Illicit Drug Seizures Laura Bowen, BSc; Claude P. Roux, PhD*; Philip Maynard, PhD; Juuso Huttunen, PhD
10:30 a.m.	- 11:00 a.m.		Break

Phenethylamines

11:00 a.m.	-	11:30 a.m.	559	Global Warning: Internet Open Access to Designer Drugs and Chemical Cocktails <i>Laura A. Ciolino, PhD*; Tracy L. Ranieri, BS; Angie S. Mohrhaus, BS;</i> <i>Heather A. McCauley, BS</i>
1:00 p.m.	-	1:20 p.m.	147	"Party Pills," "Legal Highs," and Drug Control Policy: The New Zealand Experience Keith R. Bedford, PhD*
1:20 p.m.	-	1:40 p.m.	114	Study on Small Volume Liquid Extraction of Amphetamines Pinjia Meng, PhD*; Yanyan Wang; Dan Zhu, MS
1:40 p.m.	-	2:00 p.m.	505	Effect of Chronic Amphetamine on Locomotor Activity in Dopamine D3 Receptor Deficient Mice Liping Chen, PhD*; Qiaofang Hou, PhD; Teng Chen, PhD; Junyan Zhu, MS; Lin Li, MS; Shengbin Li, PhD
2:00 p.m.	-	2:20 p.m.	616	Emerging Use of Isotope Ratio Mass Spectrometry as a Tool for Discrimination of MDMA by Synthetic Route Hilary S. Buchanan, MSc*; Niamh Nic Daeid, PhD; Wolfram Meier-Augenstein, PhD; Helen F. Kemp, PhD; William J. Kerr, PhD; Michael Middleditch, PhD
2:20 p.m.	-	2:40 p.m.		Break
2:40 p.m.	-	3:00 p.m.	658	Analysis of Designer Drugs of the Amphetamine Type by Fast Gas-Chromatography-Mass Spectrometry Dariusz Zuba*; Bogumi [*] a Byrska, MSc
3:00 p.m.	-	3:30 p.m.	216	Synthetic Drug and the Colombian Experience Campo Elias Vasquez*
3:30 p.m.	-	3:50 p.m.	583	Methods for the Detection of Illicit Substances in Latent Fingerprints by Infrared Spectral Imaging Ping Hei Ng, BSc; Sarah Walker, BSc; Mark Tahtouh, BSc; Brian J. Reedy, Bsc, PhD*
3:50 p.m.	-	4:05 p.m.	607	Research on Tracing the Source of Drugs by Plastic Bags Analyzed by FTIR Jing Yu*

Engineering Sciences

	Мо	oderator:	Thomas L. Bohan MTC Forensics Peaks Island, MD	, PhD, JD
3:55 p.m.	-	4:20 p.m	512	First Forensic Applications of the Dual Beam Technique SEM/FIB Gabriele M. Gorzawski*; Marilen I. Franke; Michael Gilberg
4:20 p.m.	-	4:35 p.m	226	Rupture of Cataguases Dam on March 29, 2003 <i>Alan de Oliveira Lopes</i> *

Forensic Anthropology and Human Identification

			John A. Williams, Anthropology & S Western Carolina Cullowhee, NC	Sociology
8:30 a.m.	-	8:50 a.m	. 195	Age Estimation With Limb Joint Radiographs in Living Chinese Teenagers <i>Guangyou Zhu, MS*; Ya-hui Wang*</i>
8:50 a.m.	-	9:05 a.m	ı. 544	An Investigation Into the Individuality of Human External Ear Pattern: Its Application in the Field of Personal Identification Ruma Purkait, PhD*
9:05 a.m.	-	9:20 a.m	. 67	Anthropologic and Photographic Identification Process of Fragmented Bodies Oscar A. Plaza, MD*; William Torres
9:20 a.m.	-	9:40 a.m	. 158	The Development of Forensic Anthropology in Albania Bardhyl Cipi, MD*; Besim Ymaj, DrSci
9:40 a.m.	-	9:55 a.m	ı. 385	Gene Flow and Evolution Relationship in Ten Minority Populations of Yunnan by Using Nine Short Tandem Repeat Loci From China Kuang Wen-Jian, PhD*; Zhang Hong-Bo, PhD; Zhang Lin-Lin, MFS; Yu Bing, PhD; LI Sheng-Bin, PhD
9:55 a.m.	-	10:10 a.m	a. 492	Morphological, Chemical, and Molecular Biological Methods of Human Age Estimation Jiri Sajdok, Ing, PhD; Alexander Pilin, MD, PhD*; Filip Auinger, Ing; Jarmila Zidkova, RNDr, PhD; Frantisek Pudil, Ing, PhD
10:10 a.m.	-	10:30 a.m	I.	Break
10:30 a.m.	-	10:50 a.m	ı. 585	Research on the Walking Plantar Pressure Distribution of Young People Under Different Shoe Wearing Conditions <i>Chengqing Tang, MS*</i>
10:50 a.m.	-	11:05 a.m	. 126	Stature Estimation From Digital Radiographically Determined Length of Long Bones of the Upper Extremity Xiaorong Zhou, MS*; Zhenhua Deng, MS
11:05 a.m.	-	11:20 a.m	a. 386	The Character of mtDNA in the Coding Region for 12S RNA and 16S RNA of Different Races Ma Yi, PhD*; Qingbo Liu, PhD; Ya Tuo, PhD; Linlin Zhang; Li Sheng-Bin, PhD
1:30 p.m.	-	1:50 p.m	. 574	The Research on the Relationahip of Foot Pressure on Left and Right Feet of Young People Walking Normally Chengqing Tang, MS*
1:50 p.m.	-	2:05 p.m	. 165	The Sky in the Eye - Exact Determination of Year of Birth in Unidentified Corpses Using the Eye Lens Niels Lynnerup, MD, PhD*; Henrik Kjeldsen, MSc; Steffen Heegaard, MD, DMS; Christina Jacobsen, MD; Jan Heinemeier, MSc, PhD

Forensic Biology, DNA Profiling, and Serology

	Moderator:	Karolyn L. Tontar Decatur, GA	ski, MS
8:30 a.m.	- 8:50 a.m	n. 272	Validation of Luminol as Technical Detection in Blood Stain on Different Media and Under Different Operating Environment for Forensic Science Aura Lizarazo*
8:50 a.m.	- 9:15 a.m	n. 150	Elimination Databases at the Institute of Environmental Science and Research — Auckland, New Zealand Olivia J. Samson, MSC, BMLSc*
9:15 a.m.	- 9:35 a.m	n. 667	A Cold Hit Relatively Speaking George J. Schiro, Jr., MS*
9:35 a.m.	- 9:50 a.m	n. 668	Development of Biological Resources for Pathogen Identification in Microbial Forensic Investigations <i>Phillip C. Williamson, PhD*; Bruce Budowle, PhD</i>
9:50 a.m.	- 10:20 a.m	۱.	Break
	Moderator:	Anjali R. Swiento SciLawForensics, Germantown, ML	Ltd.
10:20 a.m.	- 10:35 a.m	n. 105	The Effects of Scavenging by Native Animals on Decompositional Rates in Western Australia <i>R. Christopher O'Brien, MFS*; Shari Forbes, PhD; Jan Meyer, PhD;</i> <i>Ian Dadour, PhD</i>
10:35 a.m.	- 11:10 a.m	n. 163	The Application of Digital Imaging and Image Analysis to the Numerical Features of Hair in Forensic Hair Examinations <i>Elizabeth M. Brooks, MApSc*; Jan McNaught, PhD; James Robertson, PhD</i>
11:10 a.m.	- 11:30 a.m	n. 265	Morphologic Comparison Between Human and Domestic Animal Spermatozoa With the Use of Christmas Tree Coloration Aura Lizarazo*; Johanna Martinez; Ana Rodriguez
11:30 a.m.	- 11:50 a.m	n. 186	Evaluation of Reliability of STR Typing in Human Colon Carcinomas Tissues Used for Identification Purposes <i>Li Chengtao, PhD*; Fang Jianxin; Guo Hong; Lin Yuan; Lin Yan; Que Tingzhi; Li Li</i>
	Moderator:	George J. Schiro, Acadiana Crimina New Iberia, LA	
1:30 p.m.	- 1:50 p.m	n. 145	Developmental Validation of a Real-Time PCR Assay for the Quantitation of Total Human and Male DNA Curtis D. Knox, BS; Benjamin Krenke, MS; Cynthia Sprecher, BS; Nadine Nassif, MS; Melissa Schwandt, PhD*; Doug Storts, PhD
1:50 p.m.	- 2:10 p.m	n. 176	Utility of the Quantifiler® Duo DNA Quantification Kit in Forensic Case Work Maura Barbisin, PhD; Cristin E. O'Shea, BS; Lisa M. Calandro, MPH; Jaiprakash G. Shewale, PhD; Manohar R. Furtado, PhD*
2:10 p.m.	- 2:30 p.m	n. 142	Validation of Two DNA Quantification Methods in Various Forensic Testing Conditions Rocio del Pilar Lizarazo Quintero*

2:30 p.m.	-	2:50 p.m.	227	Different Effects of PCR Inhibitors on Multiplex STR Assays Dennis Y. Wang, PhD*; Julio J. Mulero, PhD; Lori K. Hennessy, PhD
2:50 p.m.	-	3:20 p.m.		Break
	M	Ceda	tina Mulliga r Crest Coll town, PA	
3:20 p.m.	-	3:35 p.m.	358	STR Database in the Chinese Nations From China Yang Li, PhD*; Gui Hong-Sheng, MS; Hou Qiao-Fang, PhD; Zhang Tian-Xiao, MS; Lai Jiang-Hua, PhD; Chen Teng, PhD; Yu Bing, PhD; Li Sheng-Bin, PhD
3:35 p.m.	-	3:40 p.m.	408	Genetic Analysis and Phylogenetic Relationships of Chinese Populations Using Y-STRs Meisen Shi, PhD*; Di Lu, MD; Li Yuan, PhD; Lin Chang, MD; Xue Yang
3:40 p.m.	-	4:00 p.m.	66	Genetic Population Analysis of 17 Y-Chromosomal STRs in Three Departments (Valle del Cauca, Cauca, and Nariño) From Southwestern Colombia Sandra J. Avila, MSc*; Ignacio Briceño, PhD; Alberto Gomez, PhD
4:00 p.m.	-	4:20 p.m.	558	Analysis of the SE33 Hypervariable Microsatellite Locus (HumACTBP2) in Colombian Populations Manuel Paredes; Lilia Laverde, MSc*
4:20 p.m.	-	4:35 p.m.	354	HLA-A, B, and DRB1 Gene Polymorphisms in Hui Ethnic Group of Ningxia Province From China Shen Chun-Mei, PhD*; Gao Fang, PhD; Wei Shu-Guang, PhD; Zhang Hong-Bo, PhD; Zhu Bo-Feng, PhD; Li Sheng-Bin, PhD

Forensic Entomology

	Мс	oderator:	Neal H. Haskell, Rensselaer, IN	PhD
1:30 p.m.	-	1:45 p.m	. 353	Study of Diptera Succession on Pig Carrion in an Urban Area in Malaysia Ikhwan Zakaria, MSc*; Johari Surin, PhD; Baharudin Omar, PhD; Edah M. Aris, MSc
1:45 p.m.	-	2:05 p.m	. 672	Two Forensic Entomology Case Studies Where Temperature Thresholds Were Used to Identify Precise and Specific Times of Insect Activity on the Victims Neal H. Haskell, PhD*

Forensic Pathology

	Moderator:	James G. Young, Wyevale, Ontaric Canada	
9:00 a.m.	- 10:00 a.m	n. 22	The Boiling Technique: A Method for Obtaining Quality Postmortem Impressions From Deteriorating Friction Ridge Skin <i>Aaron Uhle, MS*; Richard Leas</i>
10:00 a.m.	- 10:30 a.m	ı.	Break
10:30 a.m.	- 10:45 a.m	n. 635	The Banana Case – Microbial Genotyping Inge Morild, MD, PhD*; Rebecca Breistein; Haima Mylvaganam, MD

10:45 a.m.	-	10:55 a.m.	403	The Time-Dependent Expressions of IL-1β, COX-2 and MCP-1mRNA on- Blunt Contusion Wounds of Rabbit Skins and the Research on Estimation of Wound Age in the Future <i>Rufeng Bai, PhD*; Haidong Zhang, MD; Fengqin Zhang, MD;</i> <i>Lin Chang, MD; Dawen Mu</i>	
10:55 a.m.	-	11:15 a.m.	617	Why Are Autopsy Rates Falling in Hong Kong? <i>Philip S.L. Beh, MBBS, DMJ</i> *	

Forensic Psychiatry

	Мс	oderator:	Daniel A. Mart Park Dietz & A Newport Beac	ssociates
3:30 p.m.	-	4:15 p.n	n. 101	Study of Serial Homicide Cases in Colombia Oscar Diaz*
4:15 p.m.	-	4:35 p.n	n. 6	Towards a Better Understanding of Asian Youth Gangs: Rising Epidemic Confronting Our Communities <i>Cliff Akiyama, MA*</i>
4:35 p.m.	-	4:50 p.n	n. 184	Standard Assessment of Criminal Responsibility in the Mentally Disordered Offenders in China Weixiong Cai, MD*
4:50 p.m.	-	5:10 p.n	n. 183	Civil Competence Assessment of the Mentally Disordered Involved Contract Dispute <i>Qinting Zhang, MM*; Yanxia Pang*</i>
5:10 p.m.	-	5:30 p.n	n. 250	Ninety-One Cases Follow-Up Study of Mental Injury Compensation Suits Xueyi Xing, MS*; Changsuo Ma, MS; Lin Chang, MS

International Symposium on Forensic Science Education

Forensic science education is key to the quality of the profession. Despite efforts to improve and accredit academic programs, many institutions have created degrees that do not serve the interests of their students. Various aspects of forensic science are unique and require additional attention by legitimate educators, such as the balancing of theory and practice. This session will address central issues in international forensic science education with invited papers by noted academics and professionals from around the world.

	l	Max M. Houck, MA West Virginia University Morgantown, WV
8:30 a.m.	- 9:00 a.m.	Welcoming Remarks Max M. Houck, MA West Virginia University Morgantown, WV
9:00 a.m.	- 9:30 a.m.	The Need for Practitioners in Academic Programs <i>Lawrence A. Quarino, PhD</i> <i>Cedar Crest College</i> <i>Allentown, PA</i>
9:30 a.m.	- 10:00 a.m.	Quantitative Assessment of the Growth, and Its Affects, of Forensic Science Glen P. Jackson, PhD Ohio University Athens, OH

10:00 a.m.	-	10:30 a.m.	Break
10:30 a.m.	-	11:00 a.m.	Educational Developments in Forensic Medicine in the United Kingdom Ian F. Wall Clinical Forensic & Legal Medicine The Royal Society of Medicine London, United Kingdom
11:00 a.m.	-	11:30 a.m.	Cold Cases and the Utilization of Forensic Science Graduate Students to Review and Evaluate Homicides <i>Sarah L. Stein, MFS</i> <i>Center for the Resolution of Unresolved Crimes</i> <i>West Haven, CT</i>
11:30 a.m.	-	12:00 p.m.	Impression Evidence and Crime Scene Investigation: Meeting the Requirements of a B.S. Curriculum <i>Keith B. Morris, PhD</i> <i>West Virginia University</i> <i>Morgantown, WV</i>
1:30 p.m.	-	2:00 p.m.	Undergraduate Education in Forensic Science: An International Perspective <i>Sheri L. Forbes, PhD</i> <i>University Ontario Institute of Technology</i> <i>Oshawa, Ontario, Canada</i>
2:00 p.m.	-	2:30 p.m.	Dr. CSI: Is There a Need for a PhD in Forensic Science? <i>Max M. Houck, MA</i> <i>West Virginia University</i> <i>Morgantown, WV</i>
2:30 p.m.	-	3:00 p.m.	Quality and Impact of Forensic Science Research – Mickey Mouse or Nobel Prize? Claude P. Roux, PhD University Technology Sydney New South Wales, Australia
3:00 p.m.	-	3:30 p.m.	Break
3:30 p.m.	-	4:00 p.m.	Closing Remarks Max M. Houck, MA West Virginia University Morgantown, WV

Mass Disaster Victim Identification

	Мс	oderator:	John A. Williams Anthropology & Western Carolin Cullowhee, NC	Sociology
3:30 p.m.	-	4:00 p.m	. 624	Management of Dead in Mass Disasters – South Asian Perspectives Clifford Priyantha Perera, MD, LLB, DMJ*
4:00 p.m.	-	4:15 p.m	. 240	The Airport 2007 Petr Bendl; Alexander Pilin, MD, PhD*; Milos Sokol, MD, PhD; Pavel Zikmund, Ing
4:15 p.m.	-	4:30 p.m		Questions & Discussion

Other

	Mode	erator:	Joseph P. Bono, N Indiana Universit Indianapolis, IN	MA y Purdue University Indianapolis
8:30 a.m.	- 9	9:15 a.m	. 30	"You Got My Maggot Upside Down!" Publication From Idea to Market Becky A. Masterman, MA*
9:15 a.m.	- 9	9:45 a.m	. 563	Back to Basics – Is the 21st Century Focus on Technology Over-Shadowing Good Forensic Science? Claude P. Roux, PhD*; James Robertson, PhD; Chris J. Lennard, PhD; Simon J. Walsh, MSc
9:45 a.m.	- 10	0:05 a.m	. 695	Applications of Mobile GC/MS and Hand-Held Air Sampling in Forensic Analysis Garth Patterson, PhD*; Cynthia Liu, PhD; John Grossenbacher, PhD; Donna Powell, BS; Jane Likens, BS; J.M. Wells, PhD; Dennis Barket, PhD
10:05 a.m.	- 10	0:30 a.m		Break
10:30 a.m.	- 10	0:45 a.m	. 489	Characterization of Chemical Markers of Decomposition for Geoforensics Lisa Swann, BSc; Shari L. Forbes, PhD*; Simon W. Lewis, PhD; Geoff Chidlow, BSc
10:45 a.m.	- 1	1:00 a.m	. 116	Forensic Botany: Vegetation Associated With Grave Sites in Southern Ontario Chris J. Watson, BSc*; Shari L. Forbes, PhD
11:00 a.m.	- 1	1:10 a.m	. 490	Forensic Science in the Continental and Anglo-American Systems of Law Karolina E. Kremens, LLM*
11:10 a.m.	- 1	1:30 a.m	. 562	Hydrogen Cyanide: Is it Overtaking Carbon Monoxide as the Silent Killer in Domestic Dwelling Fires? Katharine M. Grimwood, BSc*; Brian Reedy, PhD
11:30 a.m.	- 12	2:20 p.m	. 112	Childhood Interrupted Olga Lucía Barragán*; Francisco Javier Valencia*; Yolanda Clavijo Bolivar
	Mode	erator:	Peter R. De Fore John Jay College, New York, NY	
1:30 p.m.	- :	1:50 p.m	. 467	Population Study of 17 Y-STR Loci in Colombian Caribbean Coast Population and Forensic Application <i>Rosa E. Romero, MSc*; Ignacio Briceno, PhD; Rocio Lizarazo, MSc;</i> <i>Albert Gomez, PhD</i>
1:50 p.m.	- 2	2:05 p.m	. 115	The Biochemical Alteration of Soil by Decomposition Products Laura A. Benninger, BSc*; Shari L. Forbes, PhD; David O. Carter, PhD
2:05 p.m.	- 2	2:20 p.m	. 198	The Potential Application of Grave Soil Analysis in the Determination of Post-Burial Interval Sonja L.N. O'Brien, BSc*; Shari L. Forbes, PhD
2:20 p.m.	- :	2:35 p.m	. 214	What's Not Working Within 'What Works': Executive Cognitive Functioning Capacity of First Time Federal Offenders, Return Offenders, and Controls Erin H. Ross, MSc*; Jenny Neil, BA; Peter N.S. Hoaken, PhD
2:35 p.m.	- :	3:00 p.m	. 701	The Mass Graves Investigation Team in Iraq: Challenges in Forensic Archaeology <i>Michael K. Trimble, PhD*; Nancy J. Brighton, MA</i>

3:00 p.m.	-	3:30 p.m.		Break
3:30 p.m.	-	3:55 p.m.	702	The Application of GIS in Mark A. Smith, PhD*

The Application of GIS in Forensic Archaeology: Karbala, Iraq *Mark A. Smith, PhD**

Quality Assurance and Laboratory Management

	Moderator:		Stephanie Reilan Centre of Forens Toronto, Ontario Canada	ic Sciences
1:30 p.m.	-	3:15 p.m	n. 721	Panel Discussion: International Issues in Forensic Science Laboratory Accreditation Ralph M. Keaton, Executive Director American Society of Crime Laboratory Directors – Laboratory Accreditation Board (United States)
				Irma Rios, Crime Laboratory Director Houston Police Department (United States)
				Edward Ngokha, Assistant Commissioner South African Police Service, Forensic Science Laboratory (South Africa)
				Justice Tettey, Chief, Laboratory and Scientific Section United Nations Office on Drugs and Crime (Austria)
				Zhaoming Guo Institute of Evidence Law and Forensic Science Chinese University of Political Science and Law (China)
			481	The General Situation of Accreditation for Forensic Science Laboratories in China Zhaoming Guo*; Rufeng Bai
3:15 p.m.	-	3:30 p.m	1.	Break
3:30 p.m.	-	4:00 p.m	n. 715	ASCLD/LAB's Guiding Principles of Professional Responsibility Kenneth E. Melson, JD*
4:00 p.m.	-	4:15 p.m	n. 599	Proficiency Testing for Imaging and Audio Enhancement: Guidelines for Evaluation <i>Reva Schwartz, MA*; Alice C. Thomas, MS; Joseph Campbell, PhD; Wade Shen, MS</i>
4:15 p.m.	-	4:30 p.m	n. 34	The Evolution of Forensic Proficiency Testing: From Science Based to Policy Driven Douglas M. Lucas, DSc*; Charles G. Leete, BA
4:30 p.m.	-	4:45 p.m	1.	Questions & Discussion

Questioned Documents

	Mo	oderators:	Peter V. Tytell, BA Forensic Research New York, NY	
9:00 a.m.	-	9:20 a.m	. 548	Forensic Study of Realty Male and Female Handwriting in Egypt Elyan Abd El-Wa Hassan, BA*
9:20 a.m.	-	9:40 a.m	. 380	Characteristic Features of Handwritings and Signatures Counterfeited by Copying Dumitrescu G. Cristian*
9:40 a.m.	-	10:00 a.m		Questions & Discussion
10:00 a.m.	-	10:30 a.m		Break
10:30 a.m.	-	11:00 a.m	. 552	Evaluation of the Individuality of Handwriting Using FLASH ID [™] – A Totally Automated, Language-Independent System for Handwriting Identification Mark A. Walch, MPH*; Donald T. Gantz, PhD*; John J. Miller, PhD; Linda J. Davis, PhD; Christopher P. Saunders, PhD; Mark J. Lancaster, PhD; Andrea Lamas, BS; JoAnn Buscaglia, PhD*
11:00 a.m.	-	11:30 a.m		Questions & Discussion
1:30 p.m.	-	4:30 p.m	. 525	An Introduction to Typography for the Forensic Document Examiner <i>Peter V. Tytell, BA*</i>

Scientific Historiography / Forensic Archaeology

	Мс	oderator:	John A. Williams Anthropology & Western Carolin Cullowhee, NC	Sociology
2:05 p.m.	-	2:25 p.m	a. 588	The Study on the Distribution Pattern of Centerline of Plantar Pressure in Walking Jiaying Dong, BS*; Chengqing Tang, MS
2:25 p.m.	-	2:45 p.m	ı. 589	The Testing of the Reliability of Gait Impression Theory Through Plantar Pressure Distribution Limin Shi, BS*; Chengqing Tang, MS
2:45 p.m.	-	3:00 p.m	. 323	The Historic and Realistic Significance of "The Washing Away of Wrongs" Xinshan Chen, MD*

Toxicology

	M	oderator:	Susan Howe, DV Tarrant County M Fort Worth, TX	M, PhD Iedical Examiner's Office
9:00 a.m.	-	9:30 a.m	. 371	The Introduction of Forensic Toxicokinetics <i>Keming Yun, PhD</i> *
9:30 a.m.	-	9:45 a.m	. 248	Study on the Elimination Rate of Blood Alcohol and Estimation of Blood Alcohol Concentration for the Chinese Population Xianyi Zhuo*
9:45 a.m.	-	10:00 a.m	. 400	Study on the Postmortem Redistribution of Lidocaine in Anesthesia Accident Death Dogs Zhiwen Wei, MS*; Keming Yun, MD
10:00 a.m.	-	10:30 a.m		Break
10:30 a.m.	-	10:45 a.m	. 471	Why Do We Need Environmental Toxicology Studies? <i>Mete K. Gulman, MD*; Salim Y. Inan, MD</i>
10:45 a.m.	-	11:00 a.m	. 511	Importance of Hair Analysis for Cukurova Region Dilek Battal, MD; Mete K. Gulman, MD*; Ahmet Hilal, MD
11:00 a.m.	-	11:20 a.m	. 526	Implications of Oral Fluid Testing in DUID Cases Jeffrey P. Walterscheid, PhD*; Terry J. Danielson, PhD; Ashraf Mozayani, PhD; Luis A. Sanchez, MD
11:20 a.m.	-	11:40 a.m	. 232	LC-MS-MS Analysis of Aconite Alkaloids in a Fatal Poisoning Case Wei Liu, BS*; Min Shen
11:40 a.m.	-	11:50 a.m	. 364	Multi Target Screening for >600 Drugs by Qtrap LC-MS-MS and Library Searching Sebastian Dresen, Ing; Nerea Ferreiros, PhD*; Wolfgang Weinmann, MD
11:50 a.m.	-	12:00 p.m		Questions & Discussion

Traffic Medicine

	Мс	oderator:	Ian F. Wall, DMJ, Royal Society of London, United I	Medicine
4:35 p.m.	-	4:55 p.m	. 13	Forensic Examiner Appraisal Evidence of Traffic Trauma Jai Congxian*
4:55 p.m.	-	5:10 p.m	. 217	The Injuries Caused by the Seat Belts Through the Deformation of the Seats Yoshihiro Motomiya*; Tatsuya Ishibashi

Victims of Torture and Genocide

	Μ	oderator:	Nizam Peerwani, Tarrant County N Fort Worth, TX	. MD Medical Examiner's Office
8:30 a.m.	-	8:45 a.m	. 596	Bankart Lesion After Suspension Torture Sebnem R. Korur-Fincanci, MD*; Oguzhan Ekizoglu, MD; Kerem Bilsel, MD
8:45 a.m.	-	9:00 a.m	ı. 598	Estimation of Wound Age in Falanga Torture Sebnem Korur-Fincanci, MD*; Oguzhan Ekizoglu, MD; Gurcan Altun, MD; Gulay Durmus-Altun, MD
9:00 a.m.	-	9:30 a.m	. 626	Impact of Istanbul Protocol on Improving Documentation of Torture – Sri Lankan Experience Clifford Priyantha Perera, MD, LLB, DMJ*; Alice Verghese
9:30 a.m.	-	10:00 a.m	. 509	Investigative and Forensic Approach to Enforced Disappearance in Colombia Jacqueline Rodriguez*
10:00 a.m.	-	10:30 a.m	I.	Break
10:30 a.m.	-	11:15 a.m	n. 718	A Global Perspective on Human Rights' Investigation Nizam Peerwani, MD*
11:15 a.m.	-	11:35 a.m	n. 477	Rwandan Genocide 1994 – A Case Including Crime Scene Investigation, Autopsies, and Clinical Forensic Medicine in 2006 <i>Steen H. Hansen, MD</i> *
11:35 a.m.	-	12:05 p.m	n. 693	The Role of Forensic Experts in the Prevention of Torture and Inhuman or Degrading Treatments Stan Cristian*

Workshops

#1 Microfluidics: Advancing Forensic DNA Analysis

Monday, July 21, 2008

8:00 a.m. - 12:00 p.m.

The development of bioanalytical microdevices for genetic analysis has reached a point where the "lab-on-a-chip" (LOC) or micro-total analysis system (μ TAS) concept set forth almost 20 years ago is now rapidly becoming a reality. This microfluidic technology stands to revolutionize the way forensic DNA analysis is accomplished, incorporating sample preparation steps such as cell sorting, DNA purification, and PCR amplification, with microchip electrophoresis in multi-purpose, multi-functional devices capable of total, rapid, and automated genotyping. A fully-integrated, microchip capable of performing the steps normally carried out at the bench would not only reduce the time required to perform these tasks, but would also eliminate user intervention and potential sources of contamination, preserving more of the sample for future analysis. Optimization of these devices for forensic analyses, however, presents a distinctive set of challenges. Due to the multi-step nature of the forensic DNA analysis process, careful consideration must be given to solution compatibility, sample size, and fluidic interfacing in order to seamlessly integrate these technologies. As the field stands on the cusp of the commercialization of microfluidic systems, the forensic community is provided with the unique opportunity to drive the final design of what promises to be a revolutionary change to the way these analyses are carried out.

This workshop will provide the attendee with a comprehensive overview of the current state of development of microfluidics for forensic DNA analysis, a foundation for understanding the principles of microfluidics and how current DNA processing methodologies are being translated to the microscale. Additionally, the role of microfluidic systems and practical considerations for their application in forensics labs and in portable genetic analysis systems will be discussed. The attendee will also gain an appreciation of this new technology, its limitations, and the unlimited potential of its application and use in the forensic laboratory. Finally, a view of the future of advanced microscale analytical systems their potential design and use will be presented.

Faculty:

Joan M. Bienvenue, BS, MS, PhD Armed Forces DNA Identification Laboratory 1413 Research Boulevard Rockville, MD 20850 James P. Landers, BS, PhD University of Virginia, Department of Chemistry McCormick Road Charlottesville, VA 22904

#2 Introduction to AFIS Systems

Monday, July 21, 2008

8:00 a.m. - 12:00 p.m.

This workshop will demonstrate the applicability of Automated Fingerprint Systems (AFIS) in a small agency. Attendees will gain hands-on experience in the utilization of a system which will include the entry of both ten-prints and latents. The searching against the AFIS database and the evaluation of results will also be introduced.

The target audience is for all levels who are contemplating the introduction of small AFIS systems or those who would like to hone their skills on AFIS Systems.

Techniques for the improvement of searching criteria and evaluation of the system stability will also be introduced.

Interested persons may bring electronic versions of their ten-prints and latents for testing purposes.

Faculty:

Keith B. Morris, PhD Forensic & Investigative Science West Virginia University PO Box 6121 Morgantown, WV 26506-6121

Restricted Audience Size: 20

#3 ISO Without Tears

Monday, July 21, 2008

8:00 a.m. - 3:00 p.m.

Many forensic science laboratory managers are working to prepare for future accreditation to the ISO/IEC 17025 standards. In many cases their agencies have been audited or accredited with respect to other standards and criteria, but ISO 17025 seems to have special significance—and the phrase "ISO Accreditation" often provokes anxiety among even the most "audit-hardened" scientists and managers. One way to lessen anxiety and uncertainty is with knowledge and understanding. This presentation will provide that basic knowledge and understanding about "ISO accreditation" through a discussion of ISO/IEC 17025 accreditation processes and standards. The ISO hierarchy of standards and their place within forensic testing accreditation programs will be described. Guidance will be provided on keys words and phrases in ISO 17025 that will assist workshop participants to understand what is required of them in order to be in conformance with the standards. Particular emphasis will be placed upon the ISO 17025 "hot spots"—those "gaps" between ISO 17025 standards and non-ISO 17025 audit or accreditation program standards that can create problems for the unaware. Suggestions for transitioning to an ISO 17025-conformant management system will also be discussed.

A native of Minnesota, Patricia Wojtowicz joined the FQS-International business unit of Forensic Quality Services, Inc. in Largo, FL, in November 2005 as its Manager of Accreditations. FQS-I offers an ISO 17025 accreditation program for public and private sector agencies involved in forensic testing that is recognized by the National Cooperation for Laboratory Accreditation (NACLA). She has a BA (Chemistry) from Augsburg College, Minneapolis, and an MSFS (Forensic Chemistry) from The George Washington University, Washington, DC. She spent 26+ years as a forensic scientist for the Virginia Bureau of Forensic Science and the Minnesota BCA Forensic Science Service in St. Paul, MN. She has been a drug chemist; trace evidence analyst; crime scene processor; DNA analyst, technical leader, and section supervisor; laboratory system Quality Manager; and accreditation inspector and DNA auditor. She is a charter member of the Association of Forensic Quality Assurance Managers (AFQAM) and a Past-President of the Midwestern Association of Forensic Scientists (MAFS).

Faculty:

Patricia C. Wojtowicz, BA, MSFS Forensic Quality Services, Inc. 13575 58th Street North, Suite 153 Clearwater, FL 33760

#4 UV-Visible-NIR, IR and Raman Microspectroscopy for Forensic Science

Monday, July 21, 2008	8:00 a.m 5:00 p.m.
Tuesday, July 22, 2008	8:00 a.m 5:00 p.m.

Most forensic laboratories use an FT-IR microscope for the analysis of trace evidence. In addition, many forensic labs also have (or are budgeting for) a UV-visible-NIR microspectrophotometer and a Raman microspectrometer for the analysis of fibers and paints. There are, however, many more applications for molecular microspectroscopy in the forensic sciences. These include inks, paper, soils, glass, and drugs of abuse. This workshop will cover the types of samples that can be analyzed, basic optics and spectroscopic techniques, sample preparation techniques for each of the methods, advanced instrument usage techniques, and advanced data analysis techniques. While this class is designed for the forensic practitioner, others interested in molecular microspectroscopy will find the material of benefit as well.

Faculty:

Paul Martin, PhD, MS, BS CRAIC Technologies 948 North Amelia Avenue San Dimas, CA 91773 Mary Carrabba, PhD, MS, BS Rogue River Spectroscopy, LLC 508 Gold Terrace Rogue River, OR 97537 Mike Carrabba, PhD, MS, BS Hach Homeland Security Technologies 481 California Avenue Grants Pass, OR 97526

#5 New Directions in Forensic Taphonomy - Life After Death

Monday, July 21, 2008

8:00 a.m. – 400 p.m.

After attending this workshop, attendees will have a better understanding of new developments in forensic taphonomy, specifically early postmortem decomposition, microbially-mediated processes, and the influence of environmental parameters. Furthermore, understanding the influence of taphonomy on the quality of biomolecules, and interpretation of taphonomic signals in osseous material can help improve future sample selection. Strategies for dealing with taphonomically compromised samples will be discussed.

This workshop will impact the forensic community and/or humanity by informing attendees on the wide-ranging possibilities of new taphonomic research in the forensic setting, including the relationships between decomposition, soils, and soil microorganisms.

Forensic taphonomy has been established as a valuable tool in forensic research. Recent studies both in forensic and archaeological taphonomy aim to expand the current knowledge to reveal perimortem history, offer new tools for estimating the post mortem interval and improve sample selection for and recovery of biomolecular information (e.g. DNA).

Decomposition is a vital, yet often overlooked, process for life on Earth. This process contributes to the cycling of carbon and nutrients in all terrestrial ecosystems and is primarily biologically mediated. Several recent studies have shown that the behavior and development of some of the organisms involved in decomposition can contribute to the estimation of post mortem interval, location of clandestine graves, and determination of cause of death. The main factors that regulate decomposition and how they relate to forensic taphonomy will be discussed.

After death, bones and teeth are most resistant to decay and usually survive longest. Studies in archaeological bone decay have shown that biological alteration of the bone structure can already occur within years postmortem, which makes it an interesting subject for forensic taphonomy. Of course, environmental and edaphic parameters influence the (biological) degradation of bone as well, such as rapidly fluctuating water levels and acid soils in a burial site, as will be shown in several case studies and experimental field burials in terrestrial and marine environments.

Enclosed and relatively protected within mineralized tissues are biomolecules, like DNA and proteins. Obviously, the processes that alter bone also influence the preservation and quality of these biomolecules. Biomolecular archaeologists have made progress in their attempts to understand the limits to survival of DNA, lipids and proteins in a variety of different settings and have developed tools to use this information to assess age at death (from the states of protein decay) and predict the likelihood of DNA amplification success. The usefulness of this knowledge for the forensic community will be discussed. Understanding the way in which collagen - the most important protein in bone - breaks down can help to predict the fate of bones in different burial environments. Using TEM, DSC, and amino acid analysis, decomposition of collagen is described, as well as how different burial environments will affect the rate of this process. Forensic research will benefit from what biomolecular archaeologists have learnt about the taphonomy of nucleic acids, lipids, and proteins and the role played by their local and wider survival.

DNA preservation will also be discussed in detail. It can vary as a function of the taphonomical context, but the anatomical location it is extracted from also plays a role. Post recovery DNA degradation is an important factor that must be taken into account, especially in samples that have been stored for a while. However, DNA may well be preserved in molecular niches in degraded samples, where traditional analytical methods fail to recover it. Several approaches, such as high throughput sequencing methods, are described, which enhance reliability and recovery of DNA from degraded forensic or ancient samples, allowing the yield of maximal information of degraded tissue.

Humans are important taphonomic agents, for example through embalming. The goal of embalming is to retard the processes associated with decomposition. Pre-burial treatments, such as synthetic cross-linking and heat treatment, will dramatically alter bone collagen and in doing so not only change the diagenetic trajectory of bone but also influence chances of DNA recovery. A case study, where 865 soldiers from the Korean War were embalmed in the 1950's will be discussed, describing the current state of the remains and the consequences for their identification.

Arguably, the traditional view of decomposition is that it results in the loss of information on different levels, ranging from macroscopic to molecular. However, we argue that taphonomy also adds valuable information. Deciphering early postmortem history and time since death from these indicators is a valuable approach in forensic research.

Moreover increased knowledge of taphonomy in forensic studies can inform about the quality of DNA results, aid in sample selection and improve recovery of biomolecular information.

Faculty:

Miranda ME Jans, PhD

Institute for Geo and Bioarchaeology Vrije Universiteit Amsterdam, Noord Holland 1081HV The Netherlands

Franklin E. Damann, MA National Museum of Health and Medicine Walter Reed Army Medical Center Washington, DC 20306-6000

Hannah E. Koon, PhD BioArCh, University of York, Biology York YO10 5YW United Kingdom David O. Carter, PhD Department of Entomology University of Nebraska-Lincoln Lincoln, NE 68583-0816

Eva-Maria Geigl, PhD Institut Jacques MONOD, CNRS Universities Paris 6 & 7 Paris Cedex 05 75251 France

Odile Loreille, PhD Armed Forces DNA Identification Laboratory Rockville, MDd 20850 Matthew J. Collins, PhD BioArCh, University of York , Biology York YO10 5YW United Kingdom

> Thomas M.Gilbert, PhD Department of Biology University of Copenhagen Copenhagen DK-2100 Denmark

Gordon Turner-Walker, PhD School of Cultural Heritage Conservation Yunlin National University of Science & Technology Douliou, Yunlin 640 Taiwan

#6 Ethics in the Forensic Sciences - When is the Line Crossed?

Monday, July 21, 2008

1:00 p.m. - 5:00 p.m.

"Tainted Science and Testimony Leads to Re-opening of 120 Cases over Last 15 years;" "Man Freed after Serving 21 years in Prison due to Lab 'Oversight?';" "State Crime Lab Employee Accused of Biased Analyses and Testimony" – all headlines that can confront, and scare, legitimately practicing forensic scientists. At the heart of this fear is wondering how such events occur since inherent in the practice of forensic science is the requirement for each practitioner to be ethical. The word "ethical" can be defined merely as proper conduct. Tacitly, a failure of forensic scientists to act ethically results in serious adverse outcomes. However, while seemingly simple to define, the application of being "ethical" is somewhat more obscure. That is, when is ethical, ethical, and when is it not?

Clearly, as part of an adversarial legal system, there must be room for differences of opinion in the forensic sciences. What is not clear, however, is when such differences are so divergent that individuals' ethics are drawn into question. In this workshop, a diverse pool of expertise has been compiled to address the role of ethics in the forensic sciences from several different perspectives with the intent of approaching an understanding when the proverbial ethical line is crossed.

The workshop will begin with a brief introduction to ethics, the role ethics plays in society and potential outcomes of unethical behavior, especially in the forensic sciences. Results of a survey on ethics in forensic science will be discussed. Presentations will further involve comparisons to canons of ethics in the related fields of medicine and law, the expectations, and limitations of being a government scientist, and lastly, the status of ethics in forensic science education.

As we move forward into the age of globalization, the forensic sciences worldwide will be under ever increasing scrutiny. In that respect, with the dissemination of information associated with the forensic sciences through such outlets as the internet, television and the print media, expectations and associated ethical issues will surface perhaps more than ever before. By meeting the issues of ethics in the forensic sciences head-on, we can hopefully be prepared for these challenges.

Robin Bowen, MA West Virginia University Forensic Science Initiative 1600 University Avenue, Room 208, Oglebay Hall Morgantown, WV 26505

> Haskell Pitluck, JD 573 Lake Avenue Crystal Lake, IL 60014

Faculty:

JC Upshaw Downs, MD Georgia Bureau of Investigation 925 A Mohawk Drive Savannah, GA 31419;

Anjali R Swienton, MFS, JD SciLawForensics, Ltd 25 Walnutwood Court Germantown, MD 20874;

Michael Welner, MD

The Forensic Panel 224 West 30th Street, #807 New York, NY 10001 Max Houck, MA West Virginia University Forensic Science Initiative 3040 University Avenue PO Box 6217 Morgantown, WV 26506

Richard Vorder Bruegge, PhD Federal Bureau of Investigation Engineering Research Facility Building 27958A, Pod E Quantico, VA 22135

#7 AgEstimation Project

Monday, July 21, 2008

Age estimation is an important problem both in living and dead, young and adult, subjects. In the last years Cameriere and all have published several papers about age estimation methods. This workshop is an aid in the knowledge and understanding of the techniques used with an easy and fast visualization of all the necessary points for their application.

Adobe® Photoshop® is used for this method to determinate the area of the pulp chamber of a canine and it's entire area. This two variable, together with the sex variable, are inserted in the regression formulae to evaluate chronological age of a living or dead adult subject.

Faculty:

Roberto Cameriere, PhD Istitute Legal Medicine, University of Is Macerata

Via Don Minzoni, 9

Macerata 62010

Italy

Danilo De Angelis, MD Istitute Of Legale Medicine, University of Milan Via Mangiagalli Milan 20133 Italy

Francesco Scarpino, MD Istitute of Legale Medicine University of Macerata Via Don Minzono Macerata 62010 Italy

1:00 p.m. - 5:00 p.m.

#8 Mass Fatality Response Preparation Workshop

Tuesday, July 22, 2008

8:00 a.m. - 12:00 p.m.

Discover value in mass fatality response planning

A mass fatality is situation where there are multiple deaths exceeding the routine capability of local resources. The mass fatality will vary in size based on the capacity of the local resources. If requested, the Federal Government may provide limited assistance but the local jurisdiction(s) is/are still in charge and must manage the incident. History has shown that families want answers immediately. Does your jurisdiction have a comprehensive and effective Mass Fatality Response Plan?

A team of experienced professionals will assist you in understanding the need for mass fatality planning. Topics will include body recovery, morgue operations, Victim Identification Program (VIP) software and integration, family assistance center operations, DNA collection, testing and identification operations and funding challenges.

Introductory presentations will be followed by a brief table top exercise which will effectively raise the level of awareness as to the actual state of readiness within the participant's organization/jurisdiction.

Faculty:

Amanda C. Sozer Sozer, Niezgoda and Associates, LLC 407 Crown View Drive Alexandria, VA 22314

Tammy Northrup, JD

Coroner Forensic Science Center St. Tammany Parish 550 Brownswitch Road Slidell, LA 70458 Julia Powers, MA, MS Orleans Parish Coroner's Office 2612 Martin Luther King Jr. Blvd New Orleans, LA 70113-2828

Arbie Goings Sozer, Niezgoda and Associates, LLC 407 Crown View Drive Alexandria, VA 22314

> Don Bloom 1317 North Road Niles, OH 44446

#9 Forensic Investigation of Fire Deaths- Accidental and Homicide

Tuesday, July 22, 2008

8:00 a.m. - 3:00 p.m.

This presentation will illustrate how the human body burns for arson and death investigators. The lecture will cover topics of accidental fires and normal burn patterns as it applies to forensic casework, and features of homicide, particularly identification of traumatic injury (ballistic, blunt force, and sharp force trauma) for differentiating manner of death between accidental or criminal attempts to destroy evidence of the body with fire. Dr. Pope has lectured to state chapters of the International Association of Arson Investigators for New York, Florida, Arizona, Oregon, Connecticut, South Carolina, North Carolina, Indiana, Colorado, and Arkansas. She has taught Forensic Anthropology, Criminalistics, and Forensic Taphonomy at the University of Arkansas in the Anthropology Department, Northwest Arkansas Community College, and consults on forensic cases involving skeletal or burned human remains for the Arkansas State Medical Examiner's Office.

Faculty:

Elayne J. Pope, PhD University of Arkansas 330 Old Main Fayetteville, AR 72701

Restricted Audience Size: 35

#10 The Applications of Raman Spectroscopy in Forensic Sciences

Tuesday, July 22, 2008

8:00 a.m. - 5:00 p.m.

Raman spectroscopy has recently become more popular for the chemical analysis of several types of materials of forensic interest. The Raman technique allows for the measurement of the inelastic scattering of light due to the vibrational modes of a molecule when irradiated by an intense monochromatic source such as a laser. Thanks to important technological progress, modern Raman spectrometers have increased their sensitivity necessary to detect the weak signal called Raman scattering.

The workshop on the application of Raman spectroscopy is aimed to familiarize interested forensic scientists with this technique. The advantages and limitations of the Raman technique will be emphasized. Amongst the advantages, figures its non-destructive nature, short analysis time, and the possibility of performing microscopic *in situ* analyses.

Several distinguished guests will be present to share their experience and expertise in different area of forensic sciences. The first part of the workshop will present some theory on Raman spectroscopy and highlight the application of this technique on different types of forensic samples. A state-of-the-art concerning the use of Raman spectroscopy will be presented on drugs of abuse, questioned documents and ink analysis, explosives and trace evidence.

Practical training is also provided and will allow the participants to become familiar with the latest versions of commercially available instruments, their components, their functions, and their manipulations. Several instruments of different manufacturers will be presented. The second part of the workshop will allow the participants to do some practical work on Raman instruments. The advantages and disadvantages of the analysis for several types of materials and the problems linked to the interpretation of results will be shown and discussed.

Faculty:

Patrick Buzzini Forensic & Investigative Science Program West Virginia University 304 Oglebay Hall 1600 University Avenue Morgantown, WV 26506-6121

Genevieve Massonnet Ecole des Sciences Criminelles University of Lausanne Le Batochime, Quartier Sorge, CH-1015 Dorigny-Lausanne Switzerland

#11 Forensic Laboratory Planning and Design

Tuesday, July 22, 2008

8:00 a.m. - 5:00 p.m.

This eight hour workshop was first presented in 2003 to the European Academy of Forensic Sciences in Istanbul. The first half of the workshop covers the entire project development process for a forensic laboratory from establishing the need, design programming, and the facility design process. Critical design issues are addressed, including mechanical, electrical, plumbing, security, safety, and site requirements. The second half of the workshop addresses the specific architectural and engineering design requirements for each of the major laboratory sections within the forensic laboratory. The presenter has been designing forensic facilities throughout the United States and abroad since 1983.

Faculty:

Michael G. Mount, BA SmithGroup, Incorporated 455 North Third Street, Suite 250 Phoenix, AZ 85004

#12 Investigations of Disputed Signatures: Motor Control Perspectives

Tuesday, July 22, 2008

8:00 a.m. - 5:00 p.m.

Opinions by forensic specialists regarding the authenticity of disputed signatures are underpinned by both theoretical and experiential components. Traditional theory has, in recent times, evolved to incorporate aspects of the process by which complex movements are learned and carried out in the environment. Much of the theory required by forensic handwriting examiners can be extracted from the motor control literature. This eight-hour workshop will provide participants with psycho-physiological theory directly related to the normal process of production of skilled signatures and will explore why it is, at a sensory/motor level, that skilled signatures are difficult for individuals to mimic successfully. The morning session will explore the theoretical relationship between the work of specialists on genuine, disguised, and simulated signatures and the production of these forms in both the static and dynamic domains. The afternoon session will be focused on real examples of these signatures; will provide participants with the opportunity to consider motor models of their production, in terms of features that they can observe, and will provide further insights into the interpretation of static features in the dynamic domain. Participants should gain a clear understanding of the relevance of motor control science to the forensic signature examination paradigm. They will be provided with opportunities to examine genuine, disguised, and simulated signatures and carry out blind tests to assist in their personal skill assessment with respect to relating theoretical constructs to casework problems.

Faculty:

Bryan J. Found, PhD Forensic Expertise Profiling Laboratory School of Human Biosciences La Trobe University Bundoora, Victoria, Australia Digital & Document Evidence Branch Applied Science Division Victoria Police Forensic Centre 31 Forensic Drive, Macleod Victoria 3085, Australia Linton A. Mohammed, MFS San Diego Sheriff's Regional Crime Laboratory 5255 Mt. Etna Drive San Diego, CA 92117

#13 The Use of LC/MS in the Forensic Toxicology Laboratory

Tuesday, July 22, 2008

1:00 p.m. - 5:00 p.m.

Gas chromatography/mass spectrometry has long been recognized as the gold standard for drug identification in a forensic toxicology setting. Recent years, however, have seen the development of liquid chromatography/mass spectrometry (LC/MS) as a powerful new tool for both identification and quantitation of a variety of compounds. With the advent of this increasingly affordable technology, many laboratories have turned to LC/MS as an integral part of their operation.

This workshop will provide the participant with an overview of LC/MS operation, and discuss the advantages of moving from GC/MS to LC/MS/MS. It will include an overview of LC/QqQ (triple quad), LC/QTOF (time of flight), LC/TOF, LC/MS (single quad), LC/MS ion trap and DART-TOF (Direct Analysis in Real Time, Time of Flight MS) technologies. The different mass spectrometers will be discussed in light of each instrument's strengths and weaknesses for providing forensically-acceptable, highly sensitive screening and identification results. In addition, a strategy for LC/MS method development and validation will be presented. Several LC/MS applications will also be discussed, including screening biological samples for hundreds of drugs of forensic significance, as well as quantitation of several drug classes routinely encountered in the forensic toxicology laboratory. Further discussion will be provided on a software interface for LC/MS that enables users to quickly develop and implement testing methods and to train novice users in LC/MS operation.

Faculty:

Christopher Heartsill, BS Dallas County Medical Examiner 5230 Medical Center Drive Dallas, TX 75235 Susan R Howe, PhD Tarrant County Medical Examiner 200 Feliks Gwozdz Place Fort Worth, TX 76104

Robert D. Johnson, PhD Federal Aviation Administration Civil Aerospace Medical Institute Oklahoma City, OK 73125 Greg Eppink, BS, MBA Applied Biosystems 3567 River Ridge Way Perrysburg, OH 43551 H. Chip Walls, BS University of Miami Department of Pathology Forensic Toxicology Laboratory 12500 SW 152nd Street, Building B Miami, FL 33177

#14 Building the Case For a New Lab

Tuesday, July 22, 2008

Who Should Attend?

The targeted audience is crime lab directors and/or user representative "champions" involved in the early stages of planning new or renovated laboratories. To ensure interactive participation, we suggest up to 25 workshop attendees.

Learning Objectives

Crime Lab Design professionals demonstrate a practical approach to help crime lab directors build the case for a new or renovated lab. By attending this workshop, they will:

- 1. Gain a basic understanding of current issues and trends in forensic science,
- 2. Learn how to assess the effectiveness of their existing labs and
- 3. Develop planning strategies and methodologies for building support and obtaining financial resources
 - for a new or renovated forensic facility and improving processes.

Relevance

Many laboratories across the country are under funded, are located in inadequate facilities, don't have the latest computer and equipment, and have ever-increasing demands for their services. This workshop provides attendees with the tools and methodologies to help them quantify, justify, and build support for capital investment in their forensic facilities.

Course Content

The course content includes a combination of electronic presentations plus other collateral material, together with open discussion and group planning exercises. These illustrate issues and trends in the design of forensic facilities, assessing existing facilities and processes, determining whether to renovate or build new, planning methodologies for sizing, scheduling and costing a project

Each participant receives bound course materials that include copies of the presentation and other useful support materials such as sample needs assessment questionnaire, situational matrix, process mapping flow diagram, budget spreadsheet, milestone schedule, equipment matrix, chemical inventory, reference bibliography, and case study. The workshop is divided into four sections approximately 45 minutes in duration with 10-minute breaks between sections. There is a fifth section (summary conclusion) lasting about 20 minutes. Questions are welcome throughout the presentation.

Prerequisites

Each participant is encouraged to bring and share specific metrics about their existing lab, operations, staffing, and funding. A short questionnaire will be provided online or on-site to gather this information before the workshop.

Presenters' Qualifications

Within the last 9 years, Crime Lab Design presenters have helped 38 clients in 32 cities across the U.S. with forensic planning and design services. Crime Lab Design is an alliance between HERA and Harley Ellis Devereaux. They have broad experience working with forensic scientists, administration, municipal, and state officials to program, plan, and design forensic facilities for ASCLD/LAB accreditation. These facilities have included high-sensitivity and mitochondrial DNA labs, in-situ/genetics labs, and toxicology labs for drugs and alcohol, together with firing ranges, vehicle inspection bays and evidence receipt and storage facilities, to name a few.

Workshop Outline

This half-day workshop has been organized to encourage individual group participation and to provide flexibility for special areas of interest that may result from open discussion. The following is a basic course area, learning format, and estimated durations.

Course Description:

This workshop is designed for forensic professionals who believe that they need a new lab but just don't know where to start. Tools and methodologies will be provided to attendees to help quantify, justify, and build support for capital investment in their forensic facilities. The course content will include issues and trends in the design of forensic facilities; assessing existing facilities and processes; determining whether to renovate or build new; and methodologies for sizing, scheduling, and costing a project. This workshop will be very participatory so attendees should come prepared to roll up their sleeves and try their hands at designing a lab.

Faculty

Gwen K. Chouinard, BA

Crime Lab Design 1620 Fifth Avenue, Suite 100 San Diego, CA 92101

Ken Mohr, BS Crime Lab Design 14 North Newstead St. Louis, MO 63108-2208

Laurie Sperling, MA

Crime Lab Design 14 North Newstead St. Louis, MO 63108-2208

Jon Kokanovich, BS, MA

Crime Lab Design 3515 East Kristal Way Phoenix, AZ 85050

Lou Hartman, BSME

Crime Lab Design 26913 Northwestern Highway Southfield, MI 48033

Restricted Audience Size: 25

Clinical Forensic Medicine Posters

9:00 a.m.	-	5:00 p.m.	141	Using Google-VEP to Assess Loss of Visual Field Objectively Xu Wang*
9:00 a.m.	-	5:00 p.m.	153	Mortalities Among Children and Adolescents in a Rural Part of Southern India Tanuj Kanchan, MBBS, DFM, MD*; Ritesh G. Menezes, MBBS, MD, DNB
9:00 a.m.	-	5:00 p.m.	235	Comparison Between Computed Tomography Findings on Admission and Those at Cardiopulmonary Arrest in Cases of Abdominal Trauma <i>Kentaro Yamazaki, PhD*; Seiji Shiotani; Noriyoshi Ohashi; Kazuo Umetsu, PhD;</i> <i>Hideyuki Hayakawa, PhD</i>
9:00 a.m.	-	5:00 p.m.	241	Three-Dimensional Reconstitution of Bullet Trajectory in Gunshot Wounds: A Case Report <i>Katerina Puentes, MD*; Francisco Taveira, MD, MSc; Antonio Madureira, MD;</i> <i>Agostinho Santos, MD, PhD; Teresa Magalhaes, MD, PhD</i>
9:00 a.m.	-	5:00 p.m.	347	The Brainstem Injury in Victims Dead From Being Hit by Fist or Palm: An Analysis of 23 Cases <i>Yixuan Song*; Chao Liu</i>

Crime Scene Investigation Posters

9:00 a.m.	-	5:00 p.m.	20	Exclusion of Syringe/Needle Blood Samples From Racehorse Sample Matching by Detection of Microsatellite Loci Jinwen Chen, PhD*; Cornelius E. Uboh, PhD; Lawrence R. Soma, VMD
9:00 a.m.	-	5:00 p.m.	27	A Half Century Retrospective Study of Homicide-Suicide in Geneva Switzerland: 1956 – 2005 Kebede Shiferaw, MD*; Sandra Burkhardt, MD; Christelle Lardi, MD; Romano La Harpe, MD
9:00 a.m.	-	5:00 p.m.	435	The Study of Chemical Method of Developing Dusting Footprints Haiqing Shi*; Jiantong Hong*; Hong Jiang*
9:00 a.m.	-	5:00 p.m.	499	Violent Hanging: The Method is Noticeable Necmi Cekin, MD; Filiz Erdobnez, MD; Doganay Kurkcu, MD; Ahmet Hilal, MD; Mete K. Gulmen, MD*
9:00 a.m.	-	5:00 p.m.	573	The Research on Gender Analysis by Morphological Characteristics of Footprint Chengqing Tang, MS*

Criminal Profiling Posters

9:00 a.m.	-	5:00 p.m.	515	Comparison and Classification of the Seized Drugs in Curkrova Region in 2007
				Dilek Battal, MSc*; Mete K. Gulmen, MD; Necmi Cekin, MD; Ahmet Hilal, MD

DNA Profiling and Serology Posters

9:00 a.m	5:00 p.m	. 53	DNA-Marking of "Security-Packs" Filippo G. Finocchiaro*
9:00 a.m	5:00 p.m	. 79	Biological Material Under Fingernails — What Else Do We Catch Besides the Owner's DNA? Kim Vos, MSc*
9:00 a.m	5:00 p.m	. 135	Elucidation of the Contributors for a Multiple-Source Splatter of Semina Stains: A Calculated Approach Lay-Hong Seah, PhD*
9:00 a.m	5:00 p.m	. 168	DNA Typing From Skeletal Remains by Invitrogen Charge Switch Forensic DNA Purification Kit - Validation Study (Part II) Anna Barbaro*; Patrizia Cormaci; Aldo Barbaro
9:00 a.m	5:00 p.m	. 171	DNA Profiling From Prints Left on the Skin Using the Charge Switch Forensic DNA Purification Kit (Invitrogen) Anna Barbaro*; Patrizia Cormaci; Aldo Barbaro

Drugs of Abuse Posters

9:00 a.m.	-	5:00 p.m.	436	Identification of the N-Desmethylsibutramine as a New Active Ingredient in the Chinese Herbal Medicine Dariusz B'achut*; Zbigniew Czarnocki; Agnieszka Siwiñska-Zió'kowska; Krystyna Wojtasiewicz; Marta Bykas-Strêkowska
9:00 a.m.	-	5:00 p.m.	527	High Dosage Sibutramine Detected in Chinese Herbal Drug: A Case Report <i>Nebile Daglioglu, MSc*; Mete K. Gulmen, MD; Ahmet Hila, MD</i>

Fingerprint Detection and Identification Posters

9:00 a.m.	-	5:00 p.m.	136	GC-MS Method for Derivatization Analysis of Lipid Compositions in Fingerprint Residue Yong Feng Zhao, MS*; Rui Qin Yang; Yuan Feng Wang; Ke Zhao, MS
9:00 a.m.	-	5:00 p.m.	188	Development of Oily-Rich Latent Fingerprints on Adhesive Side of Black Electrical Tape Using Nano Titanium Dioxide (Tio2) In Small Particle Reagent Ke Zhao, MS*; Yuan Feng Wang; Rui Qin Yang; Yong Feng Zhao, MS
9:00 a.m.	-	5:00 p.m.	249	Fingerprint Components Emitting Ultraviolet Fluorescence Excited With a Ultraviolet Pulsed Laser Norimitsu Akiba, PhD*; Naoki Saitoh, BS; Kenro Kuroki, PhD; Noaki Igarashi, BS; Kenfichi Tsuchiya, PhD
9:00 a.m.	-	5:00 p.m.	310	Effect of Substrate and Development Method on Visibility of Sweat Pores in Latent Fingerprints: A Preliminary Study Om Prakash Jasuja, PhD*; Gagan Deep Singh, MSc; Garima Choudhary, MSc; Gurvinder Singh Sodhi, PhD

Forensic Anthropology and Human Identification Posters

9:00 a.m	5:00 p.m.	80	Documenting "Toothless" Saw Blade Cutmarks in Bone John A. Williams, PhD*
9:00 a.m	5:00 p.m.	127	Alcoholism Related Weight Loss in Bone Bridget F.B. Algee-Hewitt, MA*; Rebecca J. Wilson, MA
9:00 a.m	5:00 p.m.	132	Thermal Analysis of Bones in Forensic Applications Sophil Raja, BSc*; Barbara H. Stuart, PhD; Paul S. Thomas, PhD; Christopher O'Brien, BSc

Forensic Pathology Posters

9:00 a.m.	-	5:00 p.m.	19	Relationship of Body Mass Index (BMI) to Minimum Distance from Skin Surface to Myocardium: Implications for Neuromuscular Incapacitating Devices (NM ID) Gregory G. Bashian, MD*; Gabriel A. Wagner, MD; Don W. Wallick, PhD; Patrick J. Tchou, MD
9:00 a.m.	-	5:00 p.m.	57	Analysis of Deaths Due to Allergic Reaction: A Report of 28 Cases in Maryland and Shanghai Yiwen Shen, MD*; Ziqin Zhao, MD; Ling Li, MD; Jami Grant, PhD; Dawn Zulauf; Ana I. Rubio, MD; Xiang Zhang, PhD; Aimin Xue, PhD; David R. Fowler, MD
9:00 a.m.	-	5:00 p.m.	64	SIDS – The Cause of Death Irina Burulianova, PhD*
9:00 a.m.	-	5:00 p.m.	69	Evaluation of Postmortem Serum and Cerebrospinal Fluid Growth Hormone Levels in Relation to the Cause of Death in Forensic Autopsy <i>Takaki Ishikawa, MD, PhD*; Chiemi Yoshida, MD; Ayumi Komatsu, MD;</i> <i>Li Quan, MD, PhD; Tomomi Michiue, MD; Dong Zhao, MD, PhD;</i> <i>Marianne Hamel, MD, PhD; Hitoshi Maeda, MD, PhD</i>
9:00 a.m.	-	5:00 p.m.	71	Death for Microembolism of Liquid Silicon Jorge E. Paredes*; Andres D. Restrepo
9:00 a.m.	-	5:00 p.m.	82	Bullet Embolization to the Right Atrium Jeffrey R. Springer, MD*; William Newman, MD
9:00 a.m.	-	5:00 p.m.	121	Are the Malignancies Developed in Chemical War Fare Victims Behaviorally and Biologically Different From the Ordinary Ones? A Prospective Postmortem Study Hamid Reza Sharifzad*
9:00 a.m.	-	5:00 p.m.	124	Sudden Death Following a Struggle During Arrest by the Police: Four Autopsy Cases Takaki Ishikawa, MD, PhD*; Tomomi Michiue, MD; Li Quan, MD, PhD; Bao-Li Zhu, MD, PhD; Hitoshi Maeda, MD, PhD
9:00 a.m.	-	5:00 p.m.	140	Neonatal Intrapericardial Teratoma: A Case Report Gregory N. Kozlov, DO*
9:00 a.m.	-	5:00 p.m.	144	Traumatic Basal Subarachnoid Hemorrhage Caused by a Beer Can Christina Jacobsen, MD, PhD*; Hans Petter Hougen, MD, PhD, DMSc, MPA
9:00 a.m.	-	5:00 p.m.	162	PMI Simulating Study on Parameters of Active Ratio in the Corneal Endothelium Yingchun Liu, MS*; Changmia Xu, Yuehua Wang; Haison Zhang

Poster Sessions — Wednesday

9:00 a.m 5:00 p.m. 170 Cell Stress Markers in Cases of Sudden U Marianne C. Rohde, MD*; Stinne P. Schmidt; Jytte Banner, PhD; Niels Gregersen, DrMedsc	Thomas, J.C., PhD;
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Forensic Psychiatry Posters

9:00 a.ı	n	5:00 p.m.	474	Sociodemographic and Criminological Assessment of Multiple Homicide Perpetrators M. Feyzi Sahin*; Deniz Oguzhan Melez; Suheyla Aliustaoglu; Ferruh Baklacýoglu; Gokhan Oral
9:00 a.ı	n	5:00 p.m.	475	The Investigation of Depression Scale Points of Sentenced or Prisoner Adults in Ceyhan — Turkey M Type Jail, From the Standpoint of Some Variables Esin Turanbayburt, MSc*; Mete K. Gulmen, MD, PhD

Questioned Documents Posters

9:00 a.m.	-	5:00 p.m.	207	Questioned Documents Huang Jiantong*
9:00 a.m.	-	5:00 p.m.	298	Stable Isotope C13 Security Ink Development Rui Li Chen*
9:00 a.m.	-	5:00 p.m.	342	Experimental Research Into Single Solvent Extraction to Judge Relative Made Time of Red Printed Text Jia Li*; Jiantong Huang*
9:00 a.m.	-	5:00 p.m.	366	Determining the Sequencing of Laser Printing and Seal Stamps Using the VSC <i>Jianwei Liu, MD</i> *

Toxicology Posters

9:00 a.m.	-	5:00 p.m.	11	A Research on Breath and Blood Alcohol Concentration of Korean People Drinking Dong-Wook Kim, PhD*; Ji-Sook Min, PhD; Young-Ho Chung, PhD; Won-Young Lee, PhD; In-Seok Kim; Catherine H. Park; Moun-Hye Youn
9:00 a.m.	-	5:00 p.m.	50	Deaths From Methadone Use Among Teenagers in Maryland Ling Li, MD; Xiang Zhang, MD*; Eleanor Thomas; David R. Fowler, MD
9:00 a.m.	-	5:00 p.m.	68	Retrospective Study on Poisoning Deaths in Hubei Province, China Lan Zhou, BM; Ling Li, MD*; Liang Liu, BM, PhD*; Guangzhao Huang, BM; Liu Yan, MM; Yiwen Shen, MM; Xiang Zhang, MM; David R. Fowler, MD
9:00 a.m.	-	5:00 p.m.	76	Effects of Opium Addiction on Some Serum Factors of Alloxan-Induced Diabetic Rats Hatem Abdel Moni Ahmed*; Khaled Mohamed Ibrahim

Clinical Forensic Medicine Posters

9:00 a.m	5:00 p.m.	348	Pathological Changes of Cranial Nerves Caused by Brainstem Injury <i>Qingsong Yao*; Ping Deng, MD; Chao Liu; He Shi; Guansan Wang; Yixuan Song</i>
9:00 a.m	5:00 p.m.	423	The Application of MRI in the Injury Appraisement and Postmortem Examination Huiqin Zhang*; Xudong Zhao, MS
9:00 a.m	5:00 p.m.	466	The Determination of Intracranial Mass and Cerebrovascular Disease According to Clinical and Radiological Findings in Terms of Malpractice <i>Sinem Akat*; Deniz Oguzhan Melez, MD; Belkis Yapar, MD; Nur Birgen, MD;</i> <i>Erbil Gozukirmizi, MD; Murat Hanci, MD, MSc</i>
9:00 a.m	5:00 p.m.	536	Investigation of Elderly Abuse and Neglect From Forensic Autopsy Cases <i>Kou Takahashi, PhD</i> *
9:00 a.m	5:00 p.m.	539	Deaths of Epileptic Turkish Individuals Between 2000 and 2005 Sinem Akat, MD*; Riza Yilmaz, MD*; Sema Demircin, MD; Bahadir Kumral, MD; Suleyman Serhat Gurpinar, MD; Sinem Akat, MD*
9:00 a.m	5:00 p.m.	723	Introducing ASCLD Consulting Joseph P. Bono, MA*

DNA Profiling and Serology Posters

9:00 a.m.	-	5:00 p.m.	204	Detection of Apurinic/Apyrimidinic Sites From Forensic Materials Jian Tie, MD, PhD*; Seisaku Uchigasaki, MD, PhD; Shigemi Oshida, MD, PhD
9:00 a.m.	-	5:00 p.m.	222	X-SNP Typing by SNPlex Assay Li Li, MS*; Jing-Jing Chang; Hong-Liu Guo; Yuan Lin; Cheng-Tao Li
9:00 a.m.	-	5:00 p.m.	256	Human Stool DNA Fingerprint Aree Lempan*; Sritad Kantang; Unchalee Kongsrisook
9:00 a.m.	-	5:00 p.m.	273	Population Genetic Study of Twelve Short Tandem Repeat Loci in Western Romanian Population <i>Fotios G. Chatzinikolaou, MD, PhD*; Marian Catalin, PhD;</i> <i>Andrei Angel, MD, PhD; Alexandra Enache, MD, PhD; Milan Dressler, MD, PhD</i>
9:00 a.m.	-	5:00 p.m.	345	False Homozygocity in Paternity Studies: Homoplasy Detection of the SE33 Microsatellite Locus Lilia Laverde, MSc*; Manuel Paredes; Helena Groot, MSc
9:00 a.m.	-	5:00 p.m.	359	An Allelic Microvariant of D7S820 STR Locus in a Romanian Population Sample Fotios G. Chatzinikolaou, MD, PhD, JD*; Alexandra Enache, MD, PhD, JD; Marian Catalin, PhD; Andrei Angel, MD, PhD; Milan Dressler, MD, PhD, JD

Fingerprint Detection and Identification Posters

9:00 a.m.	-	5:00 p.m.	311	Development of Latent Fingerprints on Photographic Film Om Prakash Jasuja, PhD*; Gagan Deep Singh, MSc; Gurvinder Singh Sodhi, PhD
9:00 a.m.	-	5:00 p.m.	313	Small Particle Reagent: Development of Fluorescent Variants Gagan Deep Singh, MSc*; Om Prakash Jasuja, PhD; Gurvinder Singh Sodhi, PhD

Poster Sessions — Thursday

9:00 a.m.	-	5:00 p.m.	314	A Dermatoglyphic Study in Cases of Polydactyly and Syndactyly Gagan Deep Singh, MSc*; Om Prakash Jasuja, PhD; Munish Kumar, MSc
9:00 a.m.	-	5:00 p.m.	338	The Comparative Research on Development of Blood Latent Fingerprints on Adhesive Tape Rui Li Chen*; Qian Wen Wen

Forensic Anthropology and Human Identification Posters

9:00 a.m.	-	5:00 p.m.	143	Sexual Dimorphism of Index to Ring Finger Ratio in South Indian Adolescents Tanuj Kanchan, MBBS, DFM, MD*; G.P. Kumar, MBBS, MD, DFM; Ritesh G. Menezes, MBBS, MD, DNB
9:00 a.m.	-	5:00 p.m.	418	Study on Identification by Using Elbow Joint Computer Radiographic Films of Chinese Han Adults Huiqin Zhang*; Xinhua Xue
9:00 a.m.	-	5:00 p.m.	427	Study on Identification Using Skull's Computer Radiographic Films of Chinese Han Adults Huiqin Zhang*; Guohua Miao; Min Chen; Lei Yan

Forensic Pathology Posters

9:00 a.m.	-	5:00 p.m.	213	Sudden Unexpected Infant Deaths Implications for Future Prevention Yang Zhang*; Ping Yan, MD; Eleanor Thomas; Ling Li, MD; David R. Fowler, MD; Ronald H. Zielke, PhD
9:00 a.m.	-	5:00 p.m.	206	Estimation of Postmortem Interval From Ear Temperature Taken by Infrared Ray Technique Huiqin Zhang*; Kaizhan Sun; Lei Yan
9:00 a.m.	-	5:00 p.m.	194	Sudden Unexpected Death Due to Undiagnosed Leukemia: A Forensic Autopsy Study and Review of Literatures Zhiqiang Qin*; Ling Li
9:00 a.m.	-	5:00 p.m.	251	Study on the Relation Between the Changes of tPA & MMP-9 Expression and Traumatic Subarachnoid Haemorrhage in Brain of Acute and Chronic Alcoholism Rats Bo Hu, BM; Guang-Tao Xu, MM; Xiao-Jun Yu, PhD*; Gui-Shan Gao, MM; Guo-Hui Xu, MM
9:00 a.m.	-	5:00 p.m.	261	Death Following Blunt Trauma to the Neck Birgitte Kringsholm*; Christina Jacobsen
9:00 a.m.	-	5:00 p.m.	270	Injuries and Deaths Caused by Mole Guns Serafettin Demirci, MD*; Kamil Hakan Dogan, MD; Mete Korkut Gulmen, MD; Zerrin Erkol, MD
9:00 a.m.	-	5:00 p.m.	271	Dead Bodies Found in the Wells Kamil Hakan Dogan, MD*; Serafettin Demirci, MD; Zerrin Erkol, MD; Mete Korkut Gulmen, MD; Idris Deniz, MD
9:00 a.m.	-	5:00 p.m.	335	Self-Ingested Pesticides in Crete Island Anastasia E. Kastanaki, MSc; Christos F. Kraniotis; Fotis G. Chatzinikolaou, PhD, MD*; Elena F. Kranioti, MD; Anna N. Mavroforou, PhD; Antonis Papadomanolakis, MD, PhD; Pavlos N. Theodorakis, MD, PhD; Manolis M. Michalodimitrakis, MD, JD

			Poster	Sessions — Thursday
9:00 a.m.	-	5:00 p.m.	336	Forensic Deaths in Soldier Population Harun Tugcu; Caglar Ozdemir*; Mehmet Toygar, MD; Birol Demirel; Yildiray Zeyfeoglu; Mukerrem Safali
9:00 a.m.	-	5:00 p.m.	365	Some Aspects Related to Suicide in Our Area Alexandra Enache, MD, PhD, JD; Fotios G. Chatzinikolaou, MD, PhD, JD*; Elena Kranioti, MD
9:00 a.m.	-	5:00 p.m.	416	A Case Report of Death Due to Hanging Berna Senel Eraslan*; Deniz Oguzhan Melez; Ahmet Selcuk Gurler; Bulent Sam
9:00 a.m.	-	5:00 p.m.	417	Aspiration Deaths Among Adults in Istanbul Caglar Ozdemir*; Ibrahim Uzun, MD; Hakan Kar; Hasim Asil, MD; Mete K. Gulmen

Forensic Science Education Posters

9:00 a.m.	-	5:00 p.m.	713	ASCLD
				Joseph P. Bono, MA*

Questioned Documents Posters

9:00 a.m.	-	5:00 p.m.	384	Reveal of Writing Strokes From in Between Rewritten Over Obliterated Writings for Clear Reading and Comparison Purposes <i>Mohamed R. Helal Radwan</i> *
9:00 a.m.	-	5:00 p.m.	395	The Study of the Relative Age of Seal Stamps by TLC Shuang Hu*
9:00 a.m.	-	5:00 p.m.	438	A Suicidal Note Written Onto the Left Forearm and Palm - Psychological Autopsy and Differentiation Betweeen Suicide and Homicide Riza Yilmaz*; Veli Ozdemir; Erdogan Kara; Ali Ulvi Calik; Zerrin Erkol; Deniz Oguzhan Melez
9:00 a.m.	-	5:00 p.m.	503	The Application of IR Spectrophotometry and Micro-ATR Objective for Toner Examination S'awomir Szczepañczyk*, Urszula Konarowska, MSc

Toxicology Posters

9:00 a.m.	-	5:00 p.m.	92	Extraction and Identification of Aldicarb (Temik) From Postmortem Tissues Samples Ahmed Sayed Ahmed, MS*; Kahled Mohamed Ibrahim*; Madiha M. Zakhary
9:00 a.m.	-	5:00 p.m.	173	Stability of Incorporated Drug Analytes Within Hair in a Soft Tissue Decomposition Environment Galiena W. Tse, BSc*; Shari L. Forbes, BSc, PhD
9:00 a.m.	-	5:00 p.m.	180	Suicide by the Inhalation of Automobile Exhaust Gas – Is the Cause of Death Carbon Monoxide Intoxication? Migiwa Asano, MD,PhD*; Hideyuki Nushida, MD, PhD; Kanako Nakagawa, PhD; Azumi Kuse; Yasushi Nagasaki, MD, PhD; Yasuhiro Ueno, MD, PhD
9:00 a.m.	-	5:00 p.m.	189	Toxicoepidemiology of Fatal Poisoning in Southern India Tanuj Kanchan, MBBS, DFM, MD*; Ritesh G. Menezes, MBBS, MD, DNB; T.S. Mohan Kumar, MBBS, MD; Shankar M. Bakkannavar, MBBS

Poster Sessions — Thursday

Traffic Medicine Posters

9:00 a.m.	-	5:00 p.m.	300	Epidemiological Features of the Disabled in Road Traffic Accident of Shanghai Li-Hua Fan*; Wen-Tao Xia; Jia-Jian Shen
9:00 a.m.	-	5:00 p.m.	187	Using Information Processing and Accident Reconstruction in Traffic Accident Identification Yijiu Chen, MS*; Ningguo Liu; Donghua Zou
9:00 a.m.	-	5:00 p.m.	305	Some Medico-Legal Aspects of Fatal Traffic Accidents in Albania Besim Ymaj; Bardhyl Cipi, MD*
9:00 a.m.	-	5:00 p.m.	255	Estimation of Bicyclist's Traffic Behavior by Ride and Impact Injuries Ningguo Liu, MM*

Other Posters

9:00 a.m.	-	5:00 p.m.	440	Sabre 400 - Determination of the Detection Limits for Common Explosives B'achut Dariusz, MD*; Zbigniew Zelek; S'womir Szczepañczyk
9:00 a.m.	-	5:00 p.m.	523	Head Volume Rendering Through Cone Beam CT Imaging As a New Method in Forensics Ahmad A. Abdelkarim, DDS*
9:00 a.m.	-	5:00 p.m.	581	Research on Recognition of Dynamic Image in Surveillance Video <i>Xuejing Dai*</i>

Clinical Forensic Medicine Posters

9:00 a.m.	-	5:00 p.m.	1	Unraveling the Pet Food Mystery: An Overview of Analyses of Adulterated Protein Concentrate and Pet Food		
Criminalis	Criminalistics Posters					
9:00 a.m.	-	5:00 p.m.	613	The Evaluation of Ear, Nose, Throat Surgery Cases With Aim of Malpractice in Turkey Between 2003-2006 <i>Fatih Oghan; Nursen Turan*; Aysegul Ertan; Ali Guvey</i>		
9:00 a.m.	-	5:00 p.m.	605	Court Cases of Malpractice About Anesthesia Application Outside of Operating Room, 1996-2005 <i>Aysegul Ertan; Huseyin Oz; Nesime Yayci; Nursen Turan*</i>		
9:00 a.m.	-	5:00 p.m.	546	Childhood Deaths Due to Suicide Isil Pakis, MD, PhD*; Nesime Yayci, MD; Mustafa Karapirli, MD; Nicel Yildiz, MD; Elif Gunce, PhD; Oguz Polat, MD		
9:00 a.m.	-	5:00 p.m.	543	Determined Anesthesia Malpractice in Evaluated Cases in Forensic Medicine Institution and Their Preventability <i>Nursen Turan*; Aysegul Ertan, MD; Nesime Yayci; Huseyin Oz</i>		

9:00 a.m.	-	5:00 p.m.	I	Adulterated Protein Concentrate and Pet Food Angela S. Mohrhaus, BS*; Jonathan J. Litzau, BS; Rick A. Flurer, PhD; Kevin J. Mulligan, PhD; John B. Crowe, BS; Mark R. Witkowski, PhD; David S. Jackson, BS; Timothy Y. Yi, BS; Laura A. Ciolino, PhD
9:00 a.m.	-	5:00 p.m.	157	Analysis and Discrimination of Semi-Permanent Hair Dyes by Microspectrophotometry UV-Visible, Raman Spectroscopy and Thin Layer Chromatography Genevieve Massonnet*; Audrey Lefeuvre, MS
9:00 a.m.	-	5:00 p.m.	431	The Study of Analysis Lipsticks by FT-IR Hong Jiang*; Hongbo Wang; Haiqing Shi*
9:00 a.m.	-	5:00 p.m.	498	An Evaluation of UV-Microspectophotometry for the Comparison of Automotive Clear Coats Vincent J. Desiderio, MS*; Ada Li

DNA Profiling and Serology Posters

9:00 a.m.	-	5:00 p.m.	361	A 47-Plex SNPs Typing Method Based on Single-Base Extension and Capillary Electrophoresis Technology Changhui Liu*; Liwei Chen; Chao Liu*
9:00 a.m.	-	5:00 p.m.	4 91	16 Y Chromosomal STR Haplotype Frequencies in Eastern Mediterranean Region of Turkey <i>Ayse Seryn, PhD*; Husniye Canan, PhD; Behnan Alper; Mete K. Gulmen</i>
9:00 a.m.	-	5:00 p.m.	521	Evaluation of DNA Extraction Methods for Highly Degraded Skeletal Remains Meredith A. Turnbough, MS*; Arthur J. Eisenberg, PhD; Harrell Gill-King, PhD; Robert C. Benjamin, PhD
9:00 a.m.	-	5:00 p.m.	566	Development and Application of a 2-D Microchip-Based Process for Volume Reduction and Purification of Total Nucleic Acids <i>Carmen R. Reedy, BS*; Kristin A. Hagan, BS*; Briony Strachan;</i> <i>Whitney L. Meier; Jerome P. Ferrance, PhD; James P. Landers, PhD</i>
9:00 a.m.	-	5:00 p.m.	254	STR-Typing of Vitreous Human DNA for Forensic Cases Krisda Riproumsup*; Kamonwan Kraitongsook; Channatee Rodsawang

Poster Sessions — Friday

Engineering Sciences Posters

9:00 a.m.	-	5:00 p.m.	41	Deformation of Electrical Conductors Caused by Short-Circuits
				Shiro Miyoshi*

Fingerprint Detection and Identification Posters

9:00 a.m.	-	5:00 p.m.	570	The Effect on the Fingerprint Developing Results by Different Solvents of DFO <i>Yaping Luo, MS*; Jian Li, MS</i>
9:00 a.m.	-	5:00 p.m.	571	Latent Fingerprint Development by Lanthanide Luminescence Xuejing Dai*
9:00 a.m.	-	5:00 p.m.	580	Research on Photography of Latent Fingerprint by Inherent Fluorescence at Low Temperature Xuejing Dai*
9:00 a.m.	-	5:00 p.m.	582	Research on Tape Stripping and Optical Development of Fingerprint on Sticky Side of Tape Xuejing Dai*

Forensic Anthropology and Human Identification Posters

9:00 a.m.	-	5:00 p.m.	542	Stature Estimation From the Length of Sternum in South Indian Males: A Preliminary Study Ritesh G. Menezes, MBBS, MD, DNB*; Tanuj Kanchan, MBBS, DFM, MD; G. Pradeep Kumar, MBBS, MD, DFM; Shahin A. Hunnargi, MBBS, MD
9:00 a.m.	-	5:00 p.m.	551	Human? Animal? A Case of Mixed and Incomplete Skeletal Remains Solved: Succesful Identification Dorota Lorkiewicz-Muszynska*; Marzena Labecka; Janusz Kolowski; Czeslaw Zaba; Pawel Swiderski
9:00 a.m.	-	5:00 p.m.	572	Availability of Comparison Materials in Skull-Based Identification Procedure: Analysis of Cases of Examined Human Skulls at Department of Forensic Medicine University of Medical Sciences in Poznan in the Period Between 1996 and 2005 Dorota Lorkiewicz-Muszynska*

Forensic Biology Posters

9:00 a.m	5:00 p.m.	284	Application and Evalution of Sinofiler Kit in Forensic Testing
			Lin Yuan, BS*; Guo Hong, MS; Zhao Zhen Ming; Li Li, MS

Forensic Odontology Posters

9:00 a.m.	-	5:00 p.m.	104	Study on the Indexes of Forensic Identification by the Digital Orthopantomogram of the Normal Teeth <i>Gao Dong, MS*; Deng Zhen Hua, MS</i>
9:00 a.m.	-	5:00 p.m.	302	Accuracy of Age Estimation From Orthopantomograph Using Demirjian's Method Xiaopeng Li*; Jiang Tao; Ruijue Liu, MS

Poster Sessions — Friday

Forensic Pathology Posters

9:00 a.m.	-	5:00 p.m.	424	Radiological Imaging of Arteries and Veins at the Autopsy Berna Senel Eraslan*; Gursel Cetin; Naci Kocer
9:00 a.m.	-	5:00 p.m.	444	Thymic Hyperplasia: A Rare Forensic Autopsy Case Demet Meral, MD*; Mete K. Gulmen, MD, PhD
9:00 a.m.	-	5:00 p.m.	448	Forensic Thanatology and Analysis of Death Cause Xiao-Jun Yu, PhD*; Hai-Peng Wang, MD; Wei-Cong Wu, BM
9:00 a.m.	-	5:00 p.m.	452	The Comparison of the Signs of Classical Autopsy and Virtopsy in a Case Brought Due to General Body Trauma Berna Senel Eraslan*; Gursel Cetin; Naci Kocer
9:00 a.m.	-	5:00 p.m.	455	Cardiac Tamponade: Hemopericardium-Related Fatalities in Istanbul, Turkey Yalcin Buyuk, MD; A. Selcuk Gurler, MD; D. Oguzhan Melez, MD*; Yavuz Kabakus, MD; A. Sadi Cagdir, MD
9:00 a.m.	-	5:00 p.m.	472	Sudden Death Due to Pilomyxoid Astrocytoma Nursel Turkmen; Bulent Eren; Nil Comunoglu; Berna Senel Eraslan*
9:00 a.m.	-	5:00 p.m.	485	Ectopic Origin of Coronary Artery From the Aortic Wall Berna Senel Eraslan*; Nursel Turkmen; Bulent Eren
9:00 a.m.	-	5:00 p.m.	488	Intracranial Dermoid Cyst Demet Meral; Mete K. Gulmen*; Arslan M. Mustafa; Necmi Cekin; Ahmet Hilal
9:00 a.m.	-	5:00 p.m.	493	Conventional Histopathological Evaluation for Traumatic Fat Embolism Nadir Arican*; Nabi Kantarci, MD; Arzu Turan, MD; Oguzhan Ekizoglu, MD; Sebnem Korur Fincanci
9:00 a.m.	-	5:00 p.m.	510	Accidental Death Due to Thinner Ingestion Mete K. Gulmen*; Demet Meral; Necmi Cekin; Ahmet Hilal; Ali Turhan
9:00 a.m.	-	5:00 p.m.	514	Fatal Cranial Shot by Blank Cartridge Gun: Two Suicide Cases Yalcýn Buyuk, MD; Sadi Cagdir, MD; Abdullah Avsar, MD; Deniz Oðuzhan Melez, MD*; Muhammed Feyzi Sahin, MD
9:00 a.m.	-	5:00 p.m.	547	Immunhistochemical Study for Postmortem Diagnosis of Early Myocardial Infarction Safa Celik, MD; Isil Pakis, MD, PhD*; Coskun Yorulmaz; Sermet Koc
9:00 a.m.	-	5:00 p.m.	640	Heart Attack After Car Accident Eurizanda M. Lopes, MD; Jorge Costa Santos, PhD; Rita M. Melo, MD*

Questioned Documents Posters

9:00 a.m.	-	5:00 p.m.	508	EURO Banknote - Genuine or False? Urszula Konarowska, Msc*; S [°] awomir Szczepañczyk, Msc
9:00 a.m.	-	5:00 p.m.	602	The Identification of Chinese Characters Handwriting Written by the People Whose Mother Tongue is Not Chinese <i>Yun Zhang*</i>
9:00 a.m.	-	5:00 p.m.	612	Change of Paper Infrared Spectra at the Beginning of the XXI Century Andrzej M. Witowski, PhD*; Piotr A. Girdwoyñ, PhD; Tadeusz J. Tomaszewki, PhD
9:00 a.m.	-	5:00 p.m.	621	The Experimental Research of Charred Documents Restoration <i>Jia Li, MS*; Jiantong Huang, BS</i>

Sexual Assault Examination Posters

9:00 a.m.	-	5:00 p.m.	107	Data Mining: A Four-Year Review of Sexual Assault Cases in New Zealand Michelle Donaldson, BTech, MSc*; Rian Morgan-Smith, BAppSci; Lou M. Gallagher, PhD
9:00 a.m.	-	5:00 p.m.	363	Venereal Contamination in Minor's Sexual Attempts Alexandra Enache, MD, PhD, JD; Fotios G. Chatzinikolaou, MD, PhD, JD*; Samuel N. Ndungu, MD, PhD; Elena Kranioti, MD
9:00 a.m.	-	5:00 p.m.	576	Positive Prostate-Specific Antigen (PSA) and Acid Phosphatase (AP) Reactions in Rectal Samples From Deceased Males <i>Helmuth W. Sippel*; Philippe Lunetta, PhD</i>

Toxicology Posters

9:00 a.m.	-	5:00 p.m.	392	Comparative Regression Analysis of Ethanol in a Korean Male Population <i>Yoo Seong Ho, MD</i> *
9:00 a.m.	-	5:00 p.m.	411	Determination of Ethyl Glucuronide in Human Blood by LC[°]CMS/MS Shen BaoHua, BS*
9:00 a.m.	-	5:00 p.m.	482	Detection of Sertraline in Fixed Tissues and Formalin Solutions: An Animal Study <i>Ahmet Hilal*; Nebile Daglioglu, MSc; Dilek Battal, MSc; Mete K. Gulmen;</i> <i>Necmý Cekýn; Behnan Alper</i>

Pre-Registration Required - \$32

Tuesday

#1 Bad Science: The Floyd Landis Case

July 22, 2008

7:00 a.m. - 8:30 a.m.

Bruce A. Goldberger, PhD University of Florida Department of Pathology College of Medicine Gainesville, FL **Robert D. Blackledge, MS** Retired Forensic Chemist El Cajon, CA

Floyd Landis, a professional bicycle racer from Murrieta, California, won the 2006 Tour de France. However, not many days after the race's conclusion, the Laboratoire National de Dépistage du Dopage (LNDD) "announced" (actually the information was leaked to the press) that a urine sample obtained from Floyd after stage 17 had been found to be positive for a form of synthetic testosterone. If this finding were to be upheld, Landis would be stripped of his title and also banned from participation in the sport. Landis denied any sports doping and his strategy in fighting these charges has been to try to generate public support and to make all of the documentation of the LNDD tests available to the public. GC/MS is used by LNDD for preliminary sample screening, and carbon stable isotope ratio mass spectrometry is used for final confirmation. From the standpoint of a forensic analytical chemist with experience in forensic laboratory accreditation standards, this presentation will examine the analytical data and correspondence from the Landis case in terms of chain of custody requirements, World Anti-Doping Association (WADA) guidelines and LNDD SOP, and reasonable standards of good laboratory practice.

Pre-Registration Required - \$32

Wednesday

#2 Forensically Approved STRs Reveal Genetic Diversity and Differentiation in the Northwest China Populations

July 23, 2008

7:00 a.m. - 8:30 a.m.

Gui Hong-Sheng, MSFS

The Key Laboratory of National Ministry of Health for Forensic Sciences College of Medicine Xi'an Jiaotong University Shaanxi, China

Northwest China is a region where many different independent populations have lived for more than two hundred years. Nevertheless, it's highly worthy to investigate the genetic information of these populations with molecular genetics approaches in order to preserve the genetic resource and polymorphism within this region. To characterize the genetic differentiation and evolution of 16 different populations and 12 independent minorities, nine autosomal STRs, which are widely applied in forensic science, were selected; then several statistical methods, such as principal component analysis, phylogenetic trees, R matrix analysis, and Mantel tests were processed in parallel with allele and genotype frequency data. The results of principal component analysis showed that five minority populations living in Xinjiang were clearly separated from other populations. Topologically, the branch of phylogenetic trees was in coordinate with linguistic affiliation. Regression plot of R matrix model suggested most populations had the similar patterns of gene flow at an average level, with the exception of Hui in Qinghai, which received more gene flow from outside. Unexpectedly, results of Mantel test showed that the correlation between genetic distance and linguistic distance (r=0.5040, p=0.0054) was more dominant than genetic distance and geographic distance (r=0.4950), which represents that linguistic difference contributed more to genetic differentiation than geographical isolation.

Pre-Registration Required - \$32

Thursday

#3 New Inspection of Added Printed Forge Documents

July 24, 2008

7:00 a.m. - 8:30 a.m.

Yue Wang, MS Southwest University of Political Science and Law Chongqing, China

This paper presents a supplementary study of additional printed forged documents and introduces a new means of inspection to replace the old examination method. The workshop will demonstrate the common characteristics errors caused by a puncher's mechanism. The corroborant conclusion is that common characteristics can imprint impersonally on the added printed document. Lastly a new inspection method based on software from Adobe® Photoshop® will be demonstrated and prove the new inspection methods are more convenient, accurate, and efficient.

Pre-Registration Required - \$32

Friday

#4 Medicine, Murder, and Mayhem in Ancient Greece

July 25, 2008

7:00 a.m. - 8:30 a.m.

Richard C. Froede, MD Tucson, AZ **Richard D. Walter, MA** Montrose, PA

During the time of Hippocrates, 460-380 BCE, the Mediterranean area sounds like an ideal Place to live. Comparing that time to the present is like "Deja Vu all over again" (Y. Berra). The presenters will discuss certain aspects of history, medicine, and crime to show that things never change but will repeat endlessly throughout the history of mankind. They will discuss that today's problems are similar to those that existed centuries ago modified only by today's technology and principles.

Special Sessions

Thursday, July 24, 2009 1:00pm – 5:00pm

#2 Cyberspace: Civil & Criminal Collaboration & Enforcement

The increased dependence on the Internet for daily activities has steered wrongdoers online to engage in their illegal conduct. Such conduct includes not only traditional illegal activities, but increasingly new forms of crime and fraud, through unsolicited email, phishing, and spyware. The lack of jurisdictional boundaries and the ease in which one can conceal oneself on the Internet has created new difficulties for law enforcement in their pursuit of these wrongdoers. As a result, industry and law enforcement from throughout the world have come together to jointly combat this growing phenomena.

The purpose of this seminar is to inform the audience of the ongoing collaborative efforts, identify the specific tools and resources available to law enforcement, and suggest how law enforcement can best use those resources. Representatives from eBay and AOL will share their available assistance in forensic investigations in both civil and criminal enforcement, and law enforcement official will provide details of success and pitfalls in enforcement efforts.

1:00 - 2:15 pm	Industry Cooperation and Collaboration in Criminal Enforcement Don P. Colcolough, Director, Investigations & Global Security, AOL LLC
2:15 - 2:30 pm	BREAK
2:30 - 3:45 pm	Industry Initiatives and Collaboration in Civil Enforcement Jack Christin, Jr., Senior Regulatory Counsel, eBay Inc.
3:45 - 4:00 pm	BREAK
4:00 - 5:00 pm	Enforcement Perspectives & Pitfalls C. Brad Schuelke, Chief, Internet Enforcement Unit Office of the Texas Attorney General

Friday, July 25, 2008

#1 ASCLD Panel Discussion: International Issues in Forensic Science Laboratory Accreditation

Forensic science laboratory accreditation is an essential tool in building the highest possible quality system in an environment where errors can have severe repercussions on the lives and liberty of individuals. In the past decade, technological advances in areas such as DNA analysis have assisted in uncovering past miscarriages of justice, many of which have implications for forensic science laboratories. This has resulted in a re-examination of how these laboratories operate and in a renewed commitment to quality. Forensic science has caught the attention of the media, the public, and advocates for the wrongfully convicted. Now, more than ever, there are vocal demands on laboratory managers to ensure quality standards.

An international panel of experts and laboratory directors will discuss the state of accreditation and associated issues from the perspective of their geographic areas. The panel will include members from South Africa, China, and the United States and will include a presentation of The General Situation of Accreditation for Forensic Science Laboratories in China submitted as an abstract to this conference.