

23rd Triennial Meeting of International Association of Forensic Sciences (IAFS) in conjunction with the 26th Symposium of the Australian & New Zealand Forensic Science Society (ANZFSS)
TUESDAY 21 November 2023 - FRIDAY 24 November 2023
ICC Sydney

As at 17 November 2023

Tuesday, 21 November 2023

	Darling Harbour Theatre	Meeting Room C4.2	Meeting Room C4.4	Meeting Room C4.5	Meeting Room C4.8	Meeting Room C4.1	Meeting Room C4.9	Meeting Room C4.6	Meeting Room C4.7	Meeting Room C4.3	Meeting Room C4.11
09:00	Opening Ceremony including traditional Welcome to Country : 09:00 10:00										
09:00	Opening Ceremony										
10:00	Morning Tea	Morning Tea	Morning Tea	Morning Tea	Morning Tea	Morning Tea	Morning Tea	Morning Tea	Morning Tea	Morning Tea	Morning Tea
10:30	Plenary Session A: Forensic Science in a Post-Pandemic World : 10:30 12:00										
10:30	Forensic Science in a Post-Pandemic World Karen Webb, Lena Klasén, Michael Pollanen										
12:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
13:00	Biological Criminalistics	Digital Forensic Science & Electronic Evidence	Fires & Explosives	Forensic Pathology	Toxicology & Pharmacology	Anthropology & Archaeology	Science, Justice & Legal Issues	Firearms & Toolmarks	Wildlife Forensics & Environmental Crime	Education & Training	Award Presentations
13:00	KAFKA'S BEAUTIFUL EYES: OPERATIONALISING PHENOTYPIC INFORMATION IN A FORENSIC INTELLIGENCE FRAMEWORK Michael Taylor	INNOVATING POLICING DIGITAL FORENSIC CAPABILITIES FOR THE FUTURE Scott Rees	Malaysian Flight 17 – AFP Forensic Investigation Activities Wayne Morrell	"SIDS" – Where to From Here? Roger Byard	The Prevalence & Crash Risk Of Drugs In Injured Drivers In Victoria, Australia Dimitri Gerostamoulos	The development of Australian-specific best practice guidelines for skeletal trauma analysis and interpretation in forensic anthropology Samantha Rowbotham	Contextual analysis strategy leads to rise in conviction rate for sexual assault cases Antje Van Assche	Mirth, Mayhem and Murder Gerard Dutton	Wildlife forensic science: looking fitter than ever, but for what purpose? Rob Ogden	Forensic intelligence teaching and learning in higher education: an international approach Marie Morelato, Simon Baechler	Morris Tidball-Binz – The contribution of forensic science to human rights and humanitarian action Morris Tidball Binz
13:30	KAFKA'S BEAUTIFUL EYES: REPORTING PHENOTYPIC INFORMATION FROM A FORENSIC BIOLOGY FRAMEWORK Paul Roffey	VIRTUAL INFRASTRUCTURE AND STORAGE FOR REGIONAL DIGITAL FORENSIC TEAMS: LESSONS LEARNED Mark Shirbin	A Turning Point in Fire Investigation Driven by the Use of Images as Forensic Traces Olivier Delémont	The Pathology of Elder Abuse and Neglect Rebekah Jacques	Designer Dope: Synthetic Cannabinoids - Signs, Symptoms and Manner of Driving presented in Impaired Drivers Benjamin Ryan	Skull fractures in skeletonized cases: is macroscopic analysis enough to estimate the posttraumatic interval? Tania Delabarde	Addressing Forensic Fundamentals Report Findings Dean Catoggio, Lecinda Collins-Brown, Grant Liddy	The danger of homemade firearms. Findings from the Halle synagogue shooting and the use of 3D printers. Thomas Liebscher	A SNPSTR database for species relevant to the illegal wildlife trade Annika Mozer	The Place Of Academia In The Training And Development Of Forensic Scientists Sallyann Harbison	The state of MLDI globally Stephen Cordner
13:45	Phenotype and Biogeographical Ancestry prediction of Aotearoa New Zealand population samples using the ForenSeq™ DNA signature prep kit. Ryan England	Rise of the DECD - identification, collection and analysis Dane Stephens	Digitising Fire Investigations - A look into the future of contemporaneous notetaking and reporting Rylee Lam	The role of Coroner in natural deaths in the elderly – can this change for the better? Lorraine Du Toit-Prinsloo	Using Liquid Chromatography-Tandem Quadrupole Time-of-Flight Mass Spectrometry and Statistical Analysis to Establish Metabolic Profiles of Pyrrolidine Containing Cathinones in Vitro Ya-Ling Yeh		African Forensic Sciences Academy (AFSA): an emerging movement for Africa Antonel Ockers	Lethality of Blank Fire Firearms Katherine Hogg	The development and validation of a ND4 mitochondrial DNA genetic toolkit for shingleback lizard (Tiliqua rugosa) species and lineage identification. Greta Frankham	Accreditation, Authenticity and Academic Integrity: Challenges and Opportunities in Tertiary Forensic Programs Michelle Harvey	
14:00	Operationalising biogeographical ancestry prediction in forensic investigations Felicity Poulsen	Personal Data and Privacy Concerns in Digital Forensics Investigation Wishnu Agung Baroto	Fire, Cigarettes and Alcohol: An Explosive Case Study Mark Pellegrino	Teaching cases from aircraft accident investigation in Germany. Successful concepts from joint evaluation involving law enforcement agencies together with medico-legal institutes. Michael Schwerer	Quantitative analysis of illicit drugs in blood involving the separation of delta-9-THC and delta-8-THC Dylan Mantiniaks		Limits and pitfalls in a lethal infant cocaine intoxication Mariagrazia Marisei	It's a Blast! Breech face identification and effects of surface alterations. Neda Luketic	High Throughput Sequencing for Species Identification in Border Samples Shane Sturrock	Reaping What We Sow – Industry and University Collaboration for Forensic Biology Education in New South Wales Alexandra Summerell, Nicole Wyner	The 2022 Istanbul Protocol edition and the investigation and documentation of Torture and Ill-treatment Duarte Nuno Vieira
14:15	Ancestry inference from degraded remains: Addressing the challenge of missing markers Elaine Cheung	AUSTRALIAN FEDERAL POLICE (AFP) DIGITAL FORENSICS JOURNEY TO AUTOMATION STARTS WITH FUNNELWEB Scott Rees	THE EFFECT OF COMPRESSED AIR FOAM ON THE DETECTION OF IGNITABLE LIQUID RESIDUES ON FIRE DEBRIS SAMPLES Victor Omondi	Autopsy Neuropathology of Intimate Partner Violence: A Case Series Rebecca Folkert	The pharmacokinetics and toxicology of Δ9-THC in sheep Sarah Stevens	Panel Discussion		Less Bang for your Buckshot Daniel Paine	Applying probabilistic genotyping to the analysis of dog STR mixtures: considerations for wildlife forensic casework Kelly A. Meiklejohn	Why teach crime scene management to forensic university students? Frank Crispino	
14:30	Development and validation of DNA methylation based age prediction models Rebecca Richards		Education, training, competency and accreditation in fire and explosion investigation Belinda Jones	Upgrading the infrastructure of an autopsy laboratory to conduct autopsies of bodies infected with SARS CoV-2 virus Sarathchandra Kodikara	Leveraging Triple Quadrupole Hardware Improvements for Low-Level Detection of Drugs, Metabolites, and Hormones Brad Patterson			On the effect of decomposition processes on fired bullet striae and post-mortem interval estimates Matthew Bolton	Development of chemical methods for the rapid detection of fake vs illegal tortoiseshell products Maiken Ueland	Taphonomy facilities as a teaching tool: case studies, future opportunities Sunday Harper Burnett	Panel Discussion (Morris Tidball-Binz, Stephen Cordner, Duarte Nuno Vieira, Michael Pollanen, Eric Baccino)
14:45	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea
15:15	Biological Criminalistics	Digital Forensic Science & Electronic Evidence	Fires & Explosives	Forensic Pathology	Toxicology & Pharmacology	Anthropology & Archaeology	Science, Justice & Legal Issues	Firearms & Toolmarks	Wildlife Forensics & Environmental Crime	Education & Training	Award Presentations
15:15	Forensic DNA Analysis from Human Degraded Remains: Comparison of Several Extraction Methods For Removing PCR Inhibitors Kadir Dastan			A deep learning approach for diatom detection and classification on real forensic cases Laurent Tournois	Enhancing high-resolution mass spectrometry performance for NPS analysis with improved sensitivity and characterization Brad Patterson	Hiding the evidence: An investigation of heat-induced alterations to pre-existing saw mark trauma Calvin G Mole	FORENSIC INTELLIGENCE AS AN ALL SOURCE MODEL: EXTENSION TO DISCOVERY Michael Taylor	Insights from the Forensic Participation in the Aftermath of New Zealand's Largest Mass Shooting Incident in Christchurch 2019. Angus Newton	Overview of TigerBase: using forensics to tackle tiger trafficking Kyle Ewart		
15:30	Where Forensic Biology and Human Decomposition Meet: A World of Possibility Sheree Hughes	Audio Analysis of Gunshot Events in Body-Worn Camera Recordings Richard Wilding	Assessing the Uncertainty in Machine Learning Predictions of Ignitable Liquid Residue in Fire Debris Samples Michael Sigman	Application of Computational Pathology Methods for Forensic Diatom Testing and Drowning Site Interference Ji Zhang	From Population Reference Limits Towards Individual Reference Limits for Equine Anti-Doping Kathy Tou	Applicability of the Calce method for age estimation in an Indian population: A clinical CT-based study Tanuj Kanchan			Unlocking trade secrets: analysis of species composition and origin within a large, dried Seahorse (Hippocampus spp.) seizure from Africa Catherine Hale	10 years of online courses on forensic interpretation: where to from now? Tacha Hicks	The replacement of humans by software for forensic interpretation, fears about subjectivity, proving reliability, the loss of expertise John Buckleton
15:45	A non-destructive ancient DNA extraction method for highly degraded human remains. Sally Wasef	Investigation of Closed-Circuit Television (CCTV) Footages for the Detection of Facial Features Lovepreet Kaur	Characterisation and Source Determination of Chlorate-Based Homemade Explosive Materials Aaron Horrocks	Death and Disablement In, Under, and Out of the Water: the Mammalian Dive Response is not always of Survival Benefit John Hayman	Administration route determination of alrenogest through the metabolomic analysis of equine urine Madysen Elbourne	TAPHONOMY OF HUMAN BURIALS ON BEACON ISLAND: ARCHAEOLOGICAL OBSERVATIONS INFORMING FORENSIC INTERPRETATIONS Daniel Franklin	FORENSIC INTELLIGENCE: QUO VADIS? Michael Taylor	What we think we're saying, and will this help us say it better? Ballistics, evaluative reporting and science communication. Amy Davies	Assessing the practical utility of OSAC proposed standard 2021-S-0006 (Standard for the Use of GenBank for Taxonomic Assignment of Wildlife) via a global interlaboratory study Kelly A. Meiklejohn	Training on forensic DNA phenotyping for forensic scientists: Design and organisation of a European-wide initiative to train the trainers as part of the VISAGE Consortium Elaine Cheung	What can we learn from the past as we look to the future? James Robertson
16:00	Large-fragment demineralization: an alternative bone pretreatment method for forensic DNA analysis Kadir Dastan	RosettaAI - Tool for transcribing, annotating and translating audio files Daniel Camara	The Stable Isotope Analysis of Ammonium Nitrate Can Hu	Post-mortem inflammatory biomarkers – advantageous or impeding? Isabel Brouwer	Dried blood spots in routine sports drug testing - LC-MS/MS-based peptide analysis for sampling time-point estimation Lana Brockbals	Understanding bone diagenesis: experiments with human remains at two distinct decomposition facilities in Australia and Canada studying microscopic bone degradation in femoral and rib histological sections Eline Schotsmans	Operationalising The Sydney Declaration: the AFP experience Eva Bruenisholz, Brett Scott	Saw marks in bone: An empirical study to inform decision making and best practice Daniel Dupouy	The Falcon, the thief, the lies and "Who's the mother?" Lucy Webster	Chemical Criminalistics of Unusual Traces – A new Collaborative Online International Learning (COIL) experience Genevieve Massonnet	
16:15	Taming the 'Beast of Bondi' - the work of the NSW Police Force DNA Management Unit in establishing an effective Familial DNA program. Joshua Smith, Daniel Walker	International Forensic Capability Creation, Solomon Islands Ashley Williams	Assessment of chemical asphyxia caused by toxic gases generated from rigid polyurethane foam (RPUF) fires Min-Hui Son	Macroscopic and microscopic observations of bridging veins in relation to subdural haemorrhage Emma Cheshire	Contamination and the risk of inadvertent laboratory positives in doping detection Ana Belén Moraleda Merlo	the mass grave project: an actualistic taphonomic experiment aimed at advancing the investigation of mass graves. Timothy P. Gocha	Completing task A and hoping for solution to B Sheila Willis	An expert/novice comparison study in the interpretations of restored serial numbers Joel Waszczuk	Combating illegal wildlife trade with novel forensic science. Phoebe Meagher	Development of a web-based training for forensic fibre and hair experts Jan-Eric Grunwald, Genevieve Massonnet	
16:30	Tree vs Tree – Comparing kinship prediction outcomes for three generations of a family from the Verogen Kintelligence kit and the Infinium Global Screening Array-24 Kit Colby Hymus	A large-scale realistic image steganography dataset. Meike Kombrink		Subependymal injury in anterior horn of lateral ventricle of brain -A brief analysis of cases with fatal brain injuries- Naohito Kuroda	Application of a novel broad spectrum nucleic acid aptamer sensing system in accurate determination of mixed abuse of two psychotropic drugs Yifeng Lan	multidisciplinary approaches to triaging cases of unidentified human remains: an update from victoria, australia Samantha Rowbotham		Comparison of heat seal marks based on quantitative similarity scores Lim Shing Min	Large-scale ONT genotyping of pangolin scales uncovers from two record seizures extensive poaching of pangolin species across west and central Africa Darren Yeo	The NAFIS NextGen Learning Management System (LMS) - An Innovative Training Tool Timothy Fayle, Michael Whyte	Panel Discussion (John Buckleton, James Robertson, Keith Inman, Heesun Chung)

Where to from here? (Panel Discussion)

16:45	Optimising the ForenSeq Kintelligence Kit for Unidentified and Missing Persons Casework Jessica Watson	Where to turn next? (panel discussion)	Results of forensic operations carried out following the terrorist attacks on November 13, 2015, in Paris Bertrand Ludes	Alcohol hepatotoxicity changes in the presence of green tea extract Lilijana Nicholls	Way forward in the involvement of forensic anthropology in the identification of human remains Eugénia Cunha		Exploitation of Residual Strain in Polymers for Forensic Science Applications Liljan Skokan	Software development for simplified drone image processing Harley Moraes	Recent Initiatives in the Forensic Biology/DNA Unit at the Forensic & Analytical Science Service to Improve the Effectiveness and Efficiency of Training Clare Dockery	
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Themes	
	Anthropology & Archaeology
	Biological Criminalistics
	Chemical Criminalistics
	Clinical Forensic Medicine & Forensic Nursing
	Crime Scene Investigation
	Digital Forensic Science & Electronic Evidence
	Document Examination
	Education & Training
	Fingerprint Evidence & Biometrics
	Firearms & Toolmarks
	Fires & Explosions
	Forensic Investigative Genetic Genealogy
	Forensic Pathology
	Forensic Taphonomy & Entomology
	Humanitarian Forensic Science
	Illicit Drugs & Clandestine Laboratories
	Management & Quality Assurance
	Military Forensic Science & Counterterrorism
	Odontology
Psychiatry & Behavioural Sciences	
School, Justice & Legal Issues	
Toxicology & Pharmacology	
Wildlife Forensics & Environmental Crime	

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Wednesday, 22 November 2023

	Darling Harbour Theatre <i>Plenary Session B – Forensic Intelligence : 08:30 10:00</i>	Meeting Room C4.2	Meeting Room C4.4	Meeting Room C4.5	Meeting Room C4.8	Meeting Room C4.1	Meeting Room C4.9	Meeting Room C4.6	Meeting Room C4.7	Meeting Room C4.3
08:30	Forensic Intelligence Olivier Delémont, Christophe Champod, Denise Syndercombe-Court									
10:00	Morning Tea	Morning Tea	Morning Tea	Morning Tea	Morning Tea	Morning Tea	Morning Tea	Morning Tea	Morning Tea	Morning Tea
10:30	Biological Criminalistics	Digital Forensic Science & Electronic Evidence	Fingerprint Evidence & Biometrics	Forensic Pathology	Toxicology & Pharmacology	Anthropology & Archaeology	Science, Justice & Legal Issues	Firearms & Toolmarks	Wildlife Forensics & Environmental Crime	Education & Training
10:30	Automated periodic comparison of complex DNA profiles to the national DNA database: Obtaining investigative leads that otherwise would have been missed. Kristy Steensma	A Real Case in Mobile Forensics: CSAM Stored in the Secure Folder Application Pedro Eleuterio	Error rates & collaborative exercises in friction ridge examination: the ENFSI experience. Aldo Mattei, Francesco Zampa	Postmortem imaging: where to from here? Chris O'Donnell	Are Herbal Medicines Killing Us, and Would We Know if They Were? Roger Byard	DNA Testing of Skeletonized Remains Recovered from Two Locations within the Same Incident in 1941: A Comparison of the Testing of the USS West Virginia and the USS California Suni Edson	The Science of Communication for Communicating Science: Forensics in the Courtroom Julie Burrill	Transfer and persistence of inorganic and organic gunshot residues on shooters Virginie Redouté Minzière	The Chemical Fingerprinting of Oils in Environmental Matrices Kitty Tang, Andrew Sullivan	The Journey of the Asian Forensic Sciences Network (AFSN) through 15 years Angeline Yap
10:45						The Forensic Potential of Histomorphological Analysis to Differentiate Human from Non-Human Bone Fragments Shanley Porto				
11:00	Who committed the burglaries? A case example how experimental data was used to jointly evaluate DNA findings from multiple crime scenes at activity level Bart Blankers	the accuracy (and inaccuracy) of recorded smartphone data Kynan Mccutcheon	Latent Print Examiner Black Box Study 2022 (LatentBB22) Joann Buscaglia	Evaluation of the added value of postmortem magnetic resonance imaging in cases of pediatric deaths compared to postmortem computed tomography and autopsy Pia Genet	Determination of bupropion and its metabolites in postmortem specimens in a voluntary fatal intoxication Thomas Keller	Identifying Trans Individuals from Skeletal Remains: Indicators of Gender-Affirming Interventions Angelica Bourgeault	Evidence for a diagnostic information approach to communicating error and expertise in forensic expert testimony Gianni Ribeiro	objectifying evidence evaluation for gunshot residue comparisons using machine learning on criminal case data Koen Van Der Ham	Hydrophobic contaminants in the Lake Geneva basin: Large-scale surveillance and investigation of pollution sources Fabienne Pfeiffer	using xr for forensic visualization and training Philip Engström
11:15	the answer of french scientific police to genetic investigation of low-impact criminal acts. Jerome Mary	The Forensic Value of Apple Health Data Luke Jennings	FINGERPRINT DETERMINATIONS DOWN-UNDER: ACCURACY AND UNCERTAINTY Andrew Chapman	Comparison of measured myocardial thickness by postmortem MRI and macroscopic examination in cases of sudden cardiac death Jatin Bodwal	Detection and Application of 11 traditional drugs and metabolites in blood by liquid chromatography mass spectrometry Lina Wu	Initial investigation of histomorphometric changes in human bone as a result of burning Calvin G Mole	Performance Claims in Forensic Science Expert Opinion Evidence Matthew Thompson	Evaluation of Metal-Organic Frameworks in the Production of Luminescent Gunshot Residue and their Effect on Projectile Velocity Analisa Chiaravalle	In-field inorganic screening method for water matrices using portable XRF Denise Duff	The Application of Mixed Reality for Crime Scene Investigator Training and Assessment Kirk Duncan
11:30	Letting the evidence speak for the child: A review of casework data for allegations of sexual assault in children under 12 years. Michele Franco	Everything Happens Somewhere: Development of Geospatial into a Forensic Discipline Lee Sloan	Humans versus AND Machine: Computer-Assisted Consensus Among Forensic Examiners Caroline Gibb, Didier Meuwly	Are single gunshot wounds to the head unproblematic in post-mortem examination comprising imaging methods? Krzysztof Woźniak	The Introduction of Forensic Toxicokinetics of Poisoning Biomarker Keming Yun	Radiocarbon dating and its utility in the examination of unidentified human remains Eden Johnstone-Belford	Research on the binary Model of Judicial Expertise Appointment Yue Wang	Where to from here? (Panel Discussion)	Catching the Cackle Killers of Coffin Bay: An Environmental Forensic Investigation Stewart Walker	Towards Evaluative Reporting in Finland: The Development of a Forensic Science Training Programme Rebecca Bucht
11:45	Comes with the Territory: Unique challenges in the Northern Territory for identification cases Kate Cheong-Wing	Filling the gap of extraction of digital evidence from emerging platforms without forensics tools Yi Anson Lam	Human factors in forensic science: what makes an expert an expert? Bethany Grows	Determination of viability of spermatozoa obtained posthumously from dead bodies brought to the mortuary of AIMS Bhopal with varying post-mortem interval. Mrinal Patnaik	Simultaneous determination of sibutramine and its active metabolites by HPLC-MS/MS Zheyu Fan	Reconstructing the human genetic histories in high-altitude Ladakh, Himalayas using palaeogenomics and stable isotopic approach Richa Rajpal		Uncertainty from sampling in $\delta^{13}C$ and $\delta^{15}N$ analysis and physicochemical measurements for environmental forensics purposes Cristina Barbieri	Transitioning Forensic Service Providers to Evaluative Reporting: the example of the Australian Federal Police Eva Bruenisholz, Jo Bunford	
12:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
13:00	Biological Criminalistics	Digital Forensic Science & Electronic Evidence	Fingerprint Evidence & Biometrics	Forensic Pathology	Toxicology & Pharmacology	Anthropology & Archaeology	Science, Justice & Legal Issues	Humanitarian Forensic Science	Wildlife Forensics & Environmental Crime	Education & Training
13:00	The need to diversify DNA transfer, persistence, prevalence and recovery (TPPR) Bradley Drummond	Digital Evidence Review 2019-2022 - Technical and Practical Challenges Paul Reedy, Isabell Reedy	Christophe Champod - Doug Lucas Award Keynote Christophe Champod	Imaging the invisible: an additional consideration for human identification in cases of decomposed human remains Karen Byrne	Brodifacoum distribution in postmortem specimens for determining the cause of death Xuehui Gao	A decolonising approach to digital 3D visualisations and 3D printed models of human skeletal remains as demonstrative evidence in court: a view from Aotearoa New Zealand Angela Clark	Standardising Peer Review in Forensic Science Stephanie Summersby	Ten years of wildlife forensic science at the Australian Centre for Wildlife Genomics. Where have we come from and where to from here? Greta Frankham	Towards a Forensic Semiotics Frank Crispino	
13:15	Indirect DNA transfer and 'mixture inversion' – exploring the data within the data. Helen Roebuck			The Last Supper: Minimally-Invasive CT-Assisted Post-Mortem Collection Of Gastric Contents Evan Leckenby	Cases relating to fatal use of Endothall in Australia Sarah Nasmark	The development of a multidisciplinary, minimally invasive approach for the forensic examination of skulls Ayusha Dahal	The transparency and reproducibility of systematic reviews in forensic science Jason Chin	An authoritative DNA reference library for Australia's species Jenny Giles		
13:30	Transfer, Persistence, Prevalence and Recovery of DNA in an Office Space After a Visit by an Intruder Monique Zacher	Software solution to digital data extraction, triage and analysis of modern computer systems Bruce Markey	how minutiae frequency is perceived and used by fingerprint analysts in the evaluation of fingerprint evidence Heidi Eldridge	Post mortem computed tomography (PMCT) in diagnosing deaths due to Hemopericardium. Abhishek Yadav	A Case Study: Kambo Frog Treatment – A Croak and Dagger Ritual Nicole Greenway	Unaccompanied Minors Automatic Forensic Age Estimation (UMAFAE): applying artificial intelligence-based methods to estimate legal age in undocumented minors. Stefano De Luca	UNDERSTANDING PAST INTERSECTS OF FORENSICS AND INDIGENOUS PEOPLES, TO SUPPORT IMPACTFUL BI-CULTURAL RESEARCH GOING FORWARD Heidi Baker, Helena Rattray-Te Mana	an overview of icrc resolve platform and its contribution to the multi-disciplinary approach to search and identification Kristy Winter	The use of canine DNA for breed determination Federica Giangasparo	A Comprehensive Review into Forensic Training in the Australian Federal Police Fiona Knott, Kylie Jones
13:45	LOSS AND RE-LOCATION OF BIOLOGICAL TRACES FROM GARMENTS THROUGH PACKAGING, TRANSPORT, AND STORAGE Duncan Taylor	Windows 11 and the dawn of the TPM – A forensically sound way to beat it Sriyal Mendis	Evaluating the ability of fingerprint examiners to classify prints by hand, finger, and pattern type Samuel Robson	Measurement of forensic blunt strike speed and kinetic energy based on optical motion capture system Zhengdong Li	Postmortem Redistribution of Arsenic in Poisoned Rats Yige Gong	Multi-indicator Age Standards for Epiphyseal Union of Australian Children derived from Post-mortem Computed Tomography Nicolene Lottering	How will artificial intelligence influence forensic science and the interpretation of evidence? Max Houck	Strengthening the medicolegal system: a required approach of humanitarian and development actors to effectively support State's in fulfilling their obligations towards the protection of people affected by conflict and violence, disasters and migration. Maria Dolores Morcillo Mondéjar	Wildlife population assignment using low-coverage whole-genome sequencing (lcWGS) Nina Vasiljevic	Challenges and complexities of working off-shore as a forensic advisor - Timor-Leste Renee Wilson
14:00	DNA transfer to placed, stored and handled drug packaging and knives in houses Jack Reither	Development of a Java Program to Transform Database Exported Data into Searchable and Navigable Hypertext Files Pedro Eleuterio	EXAMINATION OF PHALANGEAL FRICTION RIDGE FLOW TRENDS Chloe George	Incidental and interesting findings diagnosed at autopsy-A two-year study in a tertiary care centre Subitha Kandamuthan	Digested nanomaterials induce abnormalities of glucose metabolism in gastrointestinal tract Zhongyuan Guo	Developing multi-indicator ossification standards for the knee to improve age estimation in contemporary subadults Taliah Swart	Forensic application of engineering simulations using verification and validation Bart Kemper	Design and Planning for Large Scale Humanitarian Forensic Operations Melahat Elif Gunce Eskikoy	Animal and plant species Identification in highly processed samples using massively parallel sequencing Keshni Rasanayagam, Ryan England	Transformational vs Transactional: Utilising Technology to Improve Access to Training and Information Rachel Nickerson
14:15	Exploring the impact of a second wearer on DNA recovery from regularly worn baseball caps and hooded jumpers with different durations of wear Jack Reither	Where to from here? (Panel Discussion)	NIST Evaluation of Latent Friction Ridge Technology Gregory Fiumara	Can intrasoeseous catheters cause pulmonary fat embolism during resuscitation in children? Claudia Castiglioni	Determination of blood EIG and EIS in non-drinking Chinese 20-30s population: Recommended threshold limit value for blood EIG and EIS levels in Chinese Zhiwen Wei	ACCURACY OF THE PHENICE (1969) AND KLALES (2012) SEX ESTIMATION METHODS IN A CHILEAN SKELETAL SAMPLE Natalia Rojas Gonzalez	No Justice in Injustice: A Review of Wrongful Convictions in Australia Isabella Crebert, Daisy Nugent	EDILLY GRAVESITE – THE FIRST FORENSIC ARCHEOLOGICAL AND ANTHROPOLOGICAL INTERVENTION IN AZERBAIJAN Akif Quliyev, Senan Babayev	Where to from here? (Panel Discussion)	Transformational vs transactional: Future state considerations for police forensic training and building capability. Julian Atkins

14:30	CAN A WEAPON OR DRUG PACKAGE RECOVERED FROM A CAR IDENTIFY THE RECENT HANDLER? Toni Boyko	Where to from here? (Panel Discussion)	Fingerprinting for conservation: Are marsupial fingerprints koalified for identification? Amber Johnson	Petechial Hemorrhages after Cardiopulmonary Resuscitation Bartholomeus Latten	Analysis the changes of plasma metabolic profile in tetramine poisoning Fenglin Zhang	Sexual dimorphism from mastoid triangle and foramen magnum measurements and an overview of cranial anthropometry for sex determination Siddhartha Das	Socio-Legal Implications of Virtual Autopsies in Coronial Investigations Marc Trabsky	The Philippine War on Drugs: A Photographic Journey Rafael Resty Lerma	Where to from here? (Panel Discussion)	Evidence-Based Tools for Creating, Maintaining, and Assessing Expertise in Forensic Identification Matthew Thompson
14:45	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea
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15:15	Persistence of Cellular Material After Exposure to Water Madison Nolan	Forensic profiling of fraudulent identity and travel documents to fight organised crime: the ProFID ISF project Simon Baechler	Exploring the Contents of Interoperable Latent Transaction Files Gregory Fiumara	The investigation of drug related deaths - where to from here? Christopher Milroy	Research on whether EtG and EtS would generate or not in various human blood samples Mingjun Yu, Keming Yun	THE APPLICATION OF GEOMETRIC MORPHOMETRIC AND TRADITIONAL ANALYSIS FOR SEX ASSESSMENT ON THE FIRST LUMBAR VERTEBRA IN THE MALAYSIAN POPULATION Afiana Rohmani	Joining forces: combining police and external expertise for cold case reviews Brendan Chapman	A Multifaceted, Multijurisdictional, Multiagency and Multidisciplinary Approach to Investigating Unidentified and Missing Persons Cases in Australia Jodie Ward	BALI BOMBINGS 2002; THE INVESTIGATION THAT DEVELOPED AN AFP FORENSIC CAPABILITY THAT CONTINUES TO HAVE OPERATIONAL IMPACTS IN COMPLEX INVESTIGATIONS Annie Lam	Paradigm shift in the Hungarian forensic medicine education: from teaching to learning. Dénes Tóth
15:30	Utility of Trace DNA: An Analysis of Historical Casework Data Rachael Hoffmann		Automated 'Lights-Out' Searching of all Recovered Fingerprints in Queensland, Australia Paul Peacock		Study on the Pharmacokinetics of Fentanyl and its metabolites Juihui Wen	Do not cross the (cementum) lines. Applicability and limitation of cementochronology in forensic casework. Benoit Bertrand				Five developed tools to improve the quality of Ad Hoc experts Nick Laan
15:45	Latent DNA Detection Adrian Linacre	Understanding the Australian fraudulent document market on online anonymous marketplaces Ciara Jean Devlin	Forensic-Register and 'Lights Out Latents' Aaron Hover	Study of Post-Mortem CSF 5-Hydroxyindoleacetic Acid (5-HIAA) Level And It's Correlation With Psychological Autopsy in Suicidal Deaths Divya Bhushan	Post-mortem distribution of fentanyl and itsmetabolites in poisoned death rats Juihui Wen	An evaluation of the Gilbert-McKern pubic symphyseal age estimation method using Bayesian statistics and principal component analysis: A computed tomographic exploration in an Indian population Tanuj Kanchan	Seeking Justice in Cold Cases: Where to from here? Andrea Hughes	Advances in disaster victim identification following mass fatality events: a systematic literature review Lyndal Bugeja	OPERATION ULTRA: A CASE STUDY EXPLORING THE COMPLEX MULTI-AGENCY DISASTER VICTIM IDENTIFICATION RESPONSE TO ONE OF VICTORIA'S WORST AVIATION INCIDENTS Scott Harris	Developing Expert Witness Skills in Medical Students: An experience from Sri Lanka. Anuruddhi Edirisinghe
16:00	Combining DiamondTM Nucleic Acid Dye with cyanoacrylate fuming for detection of fingermarks and visualisation of latent DNA. Charlotte Britton	Assessment of High-Quality Counterfeit Stamp Impressions Generated by Inkjet Printers via Texture Analysis and Likelihood Ratio Xiaohong Chen	The Fingerprint Gateway – Digitising Tenprint Processing Chris Grady, Emily Woodward	Discordance of Reported History and Diagnosis of Mental Illness in Suicides Nicole Panzica	Metabolic and non-target metabolomics differences of Strychnine in male and female rats Chaoren Wang	Forensic Anthropological Research in Indonesia: Developing a Sex Estimation Standard for the Contemporary Population Ridhwan Dawud Lye	Public and family support and concerns for providing DNA to law enforcement in long-term missing person cases Kate Russell	Humanitarian Forensic Action – Strengthening an Interdisciplinary Approach – The Example of Islamic Law and Forensic Science Oran Finegan	Knowledge exchange with UK and European practitioners on disaster victim identification (DVI) David North	Has Covid-19 Led to Improvement in Forensic Science Education? Stewart Walker
16:15	Evaluation of post-PCR purification methods and subsequent optimisation of the QIAGEN MinElute® PCR Purification Kit for low input DNA samples Nicholas Steele	Contemporary studies via Spectroscopic and Chemometric methods for the examination of Questioned Documents Vishal Sharma	"My print has been there for twenty years" - Quantitative Analysis of an Unlikely Scenario. Annemarie Nadort	Pathologists' perception of and response to their role in handling of suicide deaths Samuel Robsam Ohayi	Postmortem redistribution of Aconitum alkaloids and six metabolites in rabbits XiaoJun Lu	Where to from here? (Panel Discussion)	Development of forensic standards in China: a review Xiaodan He	India's first Unidentified bodies and Missing person's Identification portal and DNA database (UMID) at AIIMS, New Delhi Chittaranjan Behera	Operation Jelfs Penelope Birchall	Red Shoes Australia: when public art meets forensic science and becomes a movement for change Paola A. Magni
16:30	Investigating improved DNA recovery methods from fired cartridge cases and the effect on toolmarks for an optimized examination workflow Douglas Jeffery	Comparison of the Current to an updated Set of Portable Document Examination Equipment Shanley Porto	Digital Media Evidence Use in Fingerprint Identification - A Review of New South Wales Police Force Casework Joshua Thompson	Genome-wide DNA methylation profiling identifies epigenetic signatures of cephalosporins induced anaphylactic shock Yaqin Bai	Study on EtG and EtS in the blood from Chinese people with a regular non-alcohol Chinese food in China Lingxiao Wang		Forensic advisors in the Netherlands and their role in the criminal justice system Rosanne De Roo	Towards greater collaboration in the recovery of human remains in weapon contaminated settings. Louis Maresca	Case Study - Solving a 35 year old Murder with Contemporary Forensic Science - Review of learnings to future proof forensic capability Karen Murray	Where to from here? (Panel Discussion)
16:45	Indoor dust – the overlooked evidence source that can provide clues on known and unknown occupants Kelly A. Meiklejohn	TextOracle: An AI Programme to aid in Forensic Handwriting Examination Michelle Ho	AFIS Performance in Forensic Fingerprint Operational Environments John Riemen, Caroline Gibb	DNA Forensic Services: Indonesian perspective Djaja Surya Atmadja	Contemporary Common Sample Validity Testing is not Sufficient to Address Sample Adulteration and Synthetic Urines Considering both Current and Future Challenges. Where to from here? Ashraf Mina	The Effective Use of Forensic Evidence in Criminal Law Trials Dionne Cruickshank	Using Human Taphonomic Facilities for Humanitarian Forensics and Disaster Response Capability Development and Capacity Building Programs Jodie Ward	Frontline Forensics – A new evidenced based scenes of crime response model for volume crime in the Queensland Police Service. Lisa Weller, Joshua White		

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23rd Triennial Meeting of International Association of Forensic Sciences (IAFS) in conjunction with the 26th Symposium of the Australian & New Zealand Forensic Science Society (ANZFSS)
TUESDAY 21 November 2023 - FRIDAY 24 November 2023
ICC Sydney

As at 17 November 2023

Thursday, 23 November 2023

	Darling Harbour Theatre <i>Plenary Session C – Global Strategies on Gender-Based Violence & Missing Persons : 08:30 10:00</i>	Meeting Room C4.2	Meeting Room C4.4	Meeting Room C4.5	Meeting Room C4.8	Meeting Room C4.1	Meeting Room C4.9	Meeting Room C4.6	Meeting Room C4.7	Meeting Room C4.3
08:30										
08:30	Global Strategies on Gender-Based Violence & Missing Persons Anuruddhi Samanthika Edirisinghe, Michelle Miranda, Thomas Parsons									
10:00	Morning Tea	Morning Tea	Morning Tea	Morning Tea	Morning Tea	Morning Tea	Morning Tea	Morning Tea	Morning Tea	Morning Tea
10:30	<i>Biological Criminalistics</i>	<i>Document Examination</i>	<i>Fingerprint Evidence & Biometrics</i>	<i>Forensic Pathology</i>	<i>Toxicology & Pharmacology</i>	<i>Illicit Drugs & Clandestine Laboratory</i>	<i>Science, Justice & Legal Issues</i>	<i>Humanitarian Forensic Science</i>	<i>Crime Scene Investigation</i>	<i>Management & Quality Assurance</i>
10:30	Using explainable artificial intelligence techniques to better understand a DNA-profile-reading neural network Lauren Elborough	Succeeding together: The power of collaboration between forensic and criminal intelligence Maralee Tapps	Fingermark quality assessment, a transversal study Teneil Hanna	Commotio vs. Contusio cordis: proposal of concrete applications in forensic practice Simona Vittorio, Luigi Cipolloni	Forensic pathologists and forensic toxicologists as BFFs? Well, sure, when a robot acts as a matchmaker! Thomas Kraemer	Hyperspectral NIR Chemical Imaging: Does the future of illicit substance analysis lie beyond the chromatographic column? Simon Dunne	Between universal and restricted DNA databases for forensic purposes Dariusz Wilk	Never forgotten: Locating and identifying the sailor recovered from the sinking of HMAS Sydney in WWII Denise Donlon	The maximum horizontal flight distance of blood droplets generating discrete stains (<1mm in diameter) on nonporous surfaces. Shawn Harkins	The Sydney Declaration: Should We Care About Forensic Science Principles? Claude Roux
10:45				Mafia murders in Italy: differences between injury patterns related to specific criminal groups Simona Vittorio, Valentina Milone			How to increase the effectiveness of DNA elimination databases to discover contamination efficiently and simultaneously respect personal rights? Mónika Nogel	Digital Forensic 101 or the use of digital battlefield evidence in ICL - a feedback from the land of two rivers Adrien Vincart	Bloodstain Pattern Analysis: Characterising Drip Stains, Drip Patterns and Drip Trails Features. Bhawisha Chand	Assessing the impact of the Sydney Declaration: a survey of Forensic Science professionals Rebecca Bucht
11:00	Interpretation and reporting considerations following DNA profile enhancement techniques. Penny Cooper	A case of disappearing ink? An erasable ink case study. Tracey Kajer	INVESTIGATION INTO THE USE OF ARTIFICIAL FINGERMARK SIMULANTS FOR FINGERMARK RESEARCH Lumikki Clover Ree, Mackenzie De La Hunty	The Double Whammy of Diabetes and Alcohol on Rates of Ketoacidosis in a Post-Mortem Cohort Peter Vanezis	Structural transformation of benzodiazepines during putrefaction process Shanlin Fu	the cosmos project: analysis of 'street-level' drug seizures from 2019-2023 Kelsey Seyfang	Developments in DNA analysis and forensic procedures legislation: Comparisons across Australian jurisdictions Tersia Oosthuizen	You are what you eat!? The potential of dietary isotopes in the identification process of historical military remains. Donna Macgregor	DNA crosslinked alginate hydrogels: new materials for forensic blood substitutes Theresa Stotesbury	Moving Towards a Trans-Disciplinary Evidence Recovery Model – Benefits, Risks and Lessons Learnt Fiona Burger, Rebecca Owen
11:15	Snapshot of trends for mixed DNA profiles associated with new technologies Kate Stevenson	First International Ink Population Study Anjali Gupta	UK Collaborative Exercise 2022 Sarah Kirk	Death Investigation Bioethics as a NEW subdiscipline Rebekah Jacques	Merits of a comprehensive LC-MS/MS based drug screening approach for drug treatment sector. Eva Reichardt	The use of pre-precursors and precursors for the production of drugs: new trends and threats Jan Tytgat	National Strategy on the Development of Forensic Science in South Korea Han-Kyun Kim	Emerging Trends in Human Rights Abuses – Where to From Here? Roger Byard	A layered approach using microtomy and surface characterization to understand bloodstain degradation in TSD estimation Theresa Stotesbury	
11:30	A MNP panel for forensic DNA mixture deconvolution Suhua Zhang	Simple and Cost-Efficient Classification of Ballpoint Pen Inks Using Digital Color Analysis Ilya Tumkin	Future and current challenges to the fingerprint visualisation capability – from a UK perspective Emily Cartledge	"Deaths by Homicide Disguised as Snake Bites" Jayanthi Yadav	Cannabinoid and creatinine extraction from urine using UA-LDS-DLLME and 'dilute and shoot' methods for HPLC-QqQ-MS detection Eathan Walker	Chasing the Dragon - a heroin's tale Shi Liy Chin, Su Yun Rachael Lim			Machine learning analysis of spectrophotometric colorimetric changes to estimate chronological age of bloodstains and postmortem interval Tomohiro Seki	Fast-DNA-Track: a crime scene to court collaboration in the Dutch criminal justice system - faster DNA results and greater satisfaction all round Bart Blankers
11:45	Results from the developmental validation of STRmix™ NGS, a probabilistic genotyping tool for the interpretation of autosomal STRs from forensic profiles generated using NGS Kevin Cheng		Investigation of the Surface Morphology and Composition of Plastics for Fingerprint Detection Harrison Woodward	The Dynamics of Adaptation to Trust in Digital Transformation - A Value Proposition Rebecca Gigli	Unravelling Cytochrome P450 Enzyme Phenotypes Using an Untargeted LC-qTOF-MS-Based Metabolomics Approach - With a Particular Emphasis on Peak-Picking Strategies Yannick Wartmann	The Rise of Fake Pharma and Psychedelics – A South Australian (SA) Perspective Clark Nash	Where to from here? (Panel Discussion)	Where to from here? (Panel Discussion)	The true implications of DNA transfer through examination glove contamination Bradley Drummond	What Backlog? A Developing Country's Perspective on Caseload Reduction Tamara Comrie
12:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
13:00	<i>Forensic Investigative Genetic Genealogy</i>	<i>Document Examination</i>	<i>Fingerprint Evidence & Biometrics</i>	<i>Forensic Pathology</i>	<i>Toxicology & Pharmacology</i>	<i>Illicit Drugs & Clandestine Laboratory</i>	<i>Chemical Criminalistics</i>	<i>Forensic Taphonomy & Entomology</i>	<i>Biological Criminalistics</i>	<i>Management & Quality Assurance</i>
13:00	Federal Bureau of Investigation - Investigative Genealogy Program Overview Amy Whitman, Mark James	Do Forensic Handwriting Examiners Speak a Common Language? Towards Global Understanding and Use of Handwriting Feature Terminology Carolyne Bird	Developing and Evaluating an Improved Portable Cyanoacrylate Fuming Chamber for Fingerprint Detection at Crime scenes Nicholas Matthews	Regression model for Death Interval estimation using Nomogram thermometric method. Ambika Prasad Patra Md, Frp, Ffflm, Mbbs, Mba(hosp. Admn)	From mass spectrometer expert to coding nerd - times are changing for the forensic toxicologist Thomas Kraemer	Machine learning and computational chemistry applied to the identification of Amphetamine-type stimulants by Raman spectroscopy Aline Thais Bruni	The (Forensic) Matrix Melissa Airlie	Recent progress in the microbiology of forensic taphonomy David Carter	Comparison of targeted DNA sequencing assays to aid human remains identification and missing persons investigations Dennis Mcnevin	Frugal forensics: Addressing the challenges of sustainable forensic science service provision Simon W. Lewis
13:15	FBI Investigative Genealogy Case Presentations Amy Whitman, Mark James	Forensic Document Examination: Where to From Here? Carolyne Bird	Fingerprint Development Technique Comparisons to Recover Friction Ridge Detail from Fired Brass Ammunition Rolanda Lam	Approximation of Antemortem Axial Temperature Distribution for Death-time Estimation Sipho Mfalozi	Etizolam - A Sleepy Suspect on our Roads? Alen Lin	Protecting Australia by monitoring the illicit drug market in real time using portable near-infrared technology Harrison Fursman, Natasha Stojanovska			Applications of Massively Parallel Sequencing for Unidentified and Missing Persons Casework Kelly Grisedale	Redesigning the Internal Audit Process: Utilising a risk-based approach in to maximise operational value and compliance Ian Cowan
13:30			Recovering Friction Ridge Detail from Detonated Improvised Explosive Devices Rolanda Lam	Dealing with massive number of victims due to fire accident Amir Hamuod	When Food is Poison - Forensic Toxicology and Public Health Investigations Catherine McDonald	How much data is enough? – Optimizing Laboratory Operating Procedures for Machine Learning based Drug Classification using Portable Spectroscopy Deepak Karunakaran	Textile Fibres in the Nasal Cavities: What do we know so far? Genevieve Massonnet	Exploring Post-Mortem Interval Estimation through analysis of the Gravesoil Thanatomicrobiome of an Experimental Mass Grave Noemi Noemi Procopio	Comparison of the ForenSeq Signature Prep and ForenSeq MainStAY kits to traditional capillary electrophoresis kits for STR profile analysis from various DNA sources Marie Rye	Transforming the Landscape of Forensic Science: Tools and Techniques for Reliability and Validity Jason Tangen
13:45	The Assessment of Forensic Genetic Genealogy (FGG) as a Practical Investigative Tool – Expectations versus Reality Colleen Fitzpatrick, Phd	Where to from here? (Panel Discussion)	Latent fingerprint visualisation methodologies on natural, synthetic and Covid-19 preventive leather substrates Leisa Nichols-Drew	A possible mechanism in fractures of the laryngochoyoid structures in hanging: A preliminary observation. Beng Ong	Use of hair analysis to assess environmental exposures to methamphetamine Jackie Wright	Evaluation of data libraries for infrared spectra from New Psychoactive Substances using machine learning Aline Thais Bruni	The Significance of Finding Fibres under Fingernails Hannah Barrett	Assessing the thanatomicrobiome as a tool for estimating the postmortem interval in a temperate Australian environment. Hayley Green	Analysis of 1.2 K identity-informative SNPs for low template DNA by performing whole genome amplification and hybrid capture-based NGS Su Min Joo	ENFSI Multidisciplinary Collaborative Exercises: outcomes and lessons learnt. Aldo Mattel, Francesco Zampa
14:00	Exploring Genetic Genealogy in forensic science: a perspective from Aotearoa New Zealand Sallyann Harbison		INVESTIGATION INTO THE ROLE OF SURFACTANTS IN IRON OXIDE POWDER SUSPENSION FORMULATIONS Lumikki Clover Ree	The Pathology of Trauma of Arc-Blast Ryan Blumenthal		Laser Focus: Understanding the Range of Positive Drug Analyte Identification From Hand-Held Raman Spectrometers. Abbie Chapman, Matthew Paul	Textile fibres in water submersion scenarios – persistence studies for activity-level evaluation Matthew Saunders	Environmental impact of terrestrial body decomposition: the relationship between soil organic matter and bacteria in a Canadian continental climate. Emily Pecsli	MH-UMIseq system, unique molecular identifier-based NGS of microhaplotypes, can improve signal-to-noise ratio even for sub-nanogram quantities of DNA Ye-Lim Kwon	International Cooperation Supporting Accreditation of Forensic Laboratories Brittany Graham
14:15	Implementation of a forensic investigative genetic genealogy capability for unidentified human remains casework Dennis Mcnevin		The Impact of Alternative Surfactants on the Performance of Physical Developer Formulations Morgaine Sharp	The skeletal fracture patterns resulting from fatal truck collisions Alexandra Wulff			Interdisciplinary approach to identifying the effect of washing garments in the transfer and persistence of fibres Virginie Galais	Aquatic conditions and bacterial communities as drivers of the decomposition of submerged remains Madison Bone	The exploration of age related small RNAs based on massively parallel sequencing Chen Fang	Forensic Science Standards: The U.S model of self-declaration vs. other models and easing the standards implementation burden Karen Reczek, John Paul Jones li
14:30	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea	Afternoon Tea
15:00	<i>Forensic Investigative Genetic Genealogy</i>	<i>Military Forensic Science & Counterterrorism</i>	<i>Fingerprint Evidence & Biometrics</i>	<i>Forensic Pathology</i>	<i>Odontology</i>	<i>Illicit Drugs & Clandestine Laboratory</i>	<i>Chemical Criminalistics</i>	<i>Forensic Taphonomy & Entomology</i>	<i>Biological Criminalistics</i>	<i>Management & Quality Assurance</i>

15:00	Analysis of the Privacy-Performance Tradeoff of Targeted Testing in Forensic Genetic Genealogy Lawrence Wein	Chemical forensic profiling and attribution signature determination of sarin nerve agent Renee Webster	The future in a world without HFE7100 Part I: petroleum spirits as an alternative carrier solvent for indanedione and ninhydrin Nicholas Harvey-Walker	the living legacy of a human skeletal remains initiative – are there benefits? Michael Symonds	Contextual bias in forensic odontology identification. Does task-irrelevant contextual information affect decision confidence and identification levels? Sher-Lin Chiam	Synthetic Drugs in the United States Michael Van Linn	Thinking outside the box(ing ring): Transfer and persistence modelled through jiu-jitsu Victoria Lau	The Bodies Down Under: Decomposition in the Australian Climate Janelle Dews	Which swab to use in DNA-analysis? A closer look at the double swab technique in sexual assault cases in the Netherlands; A retrospective study Hetty Van Beerendonk	Keeping Up with Quality: An investigation into Quality 5.0 and how it may be used to better manage Forensic Science Ian Cown
15:15			The future in a world without HFE7100 Part 2: impact of alternative solvent on downstream physical developer and document examination Kerrie Simmons, Nicholas Harvey-Walker	Asphyxia - the word, its history and the conviction of Mrs Folbigg. Kate Burrige, Stephen Cordner		Improving Chemometric Analysis of Mass Spectral Data for NPS Isomer Differentiation Jennifer Bonetti	Investigation into the Transfer of Fibres Under Damp Conditions Larissa Fowell	Decomposition in restricted-access environments in an Australian temperate climate: suitcases versus wheeled bins Paola A. Magni	Investigation of Casework GO! for the rapid detection of male DNA in sexual assault casework Dan Nana Osei Bonsu	The Forensic Specialties Accreditation Board: Exploring how accreditation can improve forensic practice around the globe David Khey
15:30	Informed Consent in FGG Practice – The Balancing Act of Individual, Public, and Professional Protection on the Scales of Justice Melissa Boes Rice	Modified powder suspensions for fingerprint detection on adhesive tapes in austere or contested environments Rebecca Pitman	Preliminary evaluation of Solstice® PF as a replacement carrier solvent for Australian fingerprint detection Amanda Frick	Where to from here? (Panel Discussion)	Absent, poor, and incomplete dental records. Strategic solutions for the odontologist when asked to perform a miracle. Amber Riley	The challenges in the identification of thermolabile new psychoactive substances, where we are and the way forward. Ana Flavia Belchior De Andrade	Potential applications of FIB-SEM and ToF-SIMS microanalysis technique for the investigation of forensic materials Masturina Kracica	An interdisciplinary experimental approach to the study of natural mummification at two distinct human taphonomy facilities in Australia and Canada Eiine Schotsmans	Investigation of Casework GO! for improved DNA recovery from touch DNA exhibits. Dan Nana Osei Bonsu	Research on the Validation of Forensic Methods in China Xiaodan He
15:45	Ethics and Law of Forensic Genealogy in Europe Mónika Nogel	Digital forensic investigations in CBRN conditions: evaluation of diagnostic and data extraction possibilities Thibaut Heckmann, Fabien Thomas Brans	Using hydrogels to deliver fingerprint reagents as a future alternative to per- and polyfluoroalkyl substances (PFAS) William Gee		The Bitemark - adult or child? Lisa Standing	The Identification of Psychedelic Compounds in Australian Acacia Species Louise O'Grady	Where to from here, but here is where? Improving the accuracy, objectivity, and reliability of forensic provenancing Michael Aberle, Jurian Hoogewerff	A technical protocol for 3D observation and documentation of human decomposition Dilan Seckiner	Comparison of three methods for DNA extraction from illicit drug-related powders Amy Griffin	Meltdown: How nuclear accidents could improve quality systems in forensic science Anna Heavey
16:00										

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15:15	Optimisation of Flow Cytometry Methods to Differentiate Epithelial Cell Origin Ishana Somers	A healing justice: Therapeutic relationships within the legal framework of the NSW Drug Court program Clara Fritchley	The use of Facial Image Comparison in the investigation of online exploitation of children Aniela Pieterse	How to assess fitness to drive in patients with cardiac rhythm disturbances through an applicable decision support system Monia Lusetti	Validation of data mining models by comparing with conventional methods for dental age estimation in Korean juveniles and young adults Sang-Seob Lee	Organic Impurity Profiling of MDA Synthesised from Helional Alexandra Mercieca	When one case of fake boots and perfumes leads to a scientific investigation of counterfeit goods. Caroline Mireault, Pier-Louis Dumont	Aquatic Human Body Decomposition: Retrospective Medicolegal Review of Water-Related Deaths Vienna Lam	This little piggy ate the evidence. A casework study – What happens if a human body is fed to pigs? Part I Lauren Atwood, Brett Mason	A Reflection of the Impacts of COVID-19 to DNA Analysis at the Forensic Biology/DNA Unit, Forensic & Analytical Science Service: Operational Benefits Born Through Crisis Fiona Rose
15:30	The Development of Aptamers against Human Red Blood Cells for Forensic Detection Hayley Costanzo		Fingerprint Restoration and Collection from Decomposing Remains Exposed in a Natural Environment in Southern Quebec (Canada) Karelle Séguin	Association of clinical forensic cases and qualifications of injuries to the police report Tuntas Dhanardhono	Dental Identification of Twins by 3D Comparison Harry Perkins	Proming Epinephrine/Pseudoephedrine and Methamphetamine Synthesised by an Alternative Pathway from the Precursors Typically Associated with the Phenyl-2-Propanone (P2P) Pathway, Benzaldehyde and Nitroethane. Rebecca Miller	The chemical profiling of counterfeit perfumes: an evaluation of production network within different brands Pier-Louis Dumont	Water Quality Measurements as an Indication of PMSI for Remains in Lentic Still Water Sarah Bray, Madison Bone	Murder investigation of Dwayne Davies: A case study of the crime scene examinations, clandestine grave and exhumation David North	Preparing for the Worst: Business Continuity Planning for a Forensic Biology/DNA Service Clint Cochrane
15:45	The "Sexome"- Investigation of microbial transfer between heterosexual couples post sexual intercourse using long read MPS Ruby Dixon	Early Attentive Processing of Forgers on Own Forged and Genuine Exemplars: An ERP Study Wei Guo	Large area detection of latent fingerprint hidden beneath adhesive tape by deep learning-based robotic OCT Ning Zhang, Bin He	Forensic nursing education and training – Indian perspective and our experiences Amit Patil	Digital intraoral and radiologic records in forensic identification Ana Corte-Real	Forensic environmental genomics and isotopic ratio analyses as a combined tool to trace the geographic origin of falsified antimicrobials Carla Perez Mon	Human vs Machine (Forensic Hair Analysis) Melissa Airlie	Biomass loss during decomposition – a new tool in improving PMI estimation? Natalie Gasz	Multidisciplinary analyses of human remains found in the Caribbean Sea, investigated with an international collaboration Venezuela-Australia Paola A. Magni	Cross-Jurisdictional Workflow and Capability Mapping Lecinda Collins-Brown
16:00	DNA Metabarcoding of Biological Taxa in Geologic Materials for Forensic Investigations Teresa M. Tiedge	Where to from here? (Panel Discussion)	Evaluation of alternate image capturing devices for recording fingerprints at crime scenes Robert Ebeyan	A national assessment of emergency staff level of practice in the management of forensic evidence Osama Said Ibrahim Said Elserafy	A Novel Method of Age Estimation in Children using Three-dimensional Surface Area Analyses of Maxillary Canine Apices. Muhammad Khan Asif	Impurity Profiling Of Street Level Seizures Of Methylamphetamine In Western Australia Rohan Edmunds	On the cutting edge of textile damage examinations James Robertson	Multi-omics Approach for Postmortem Interval Estimation Andrea Bonicelli	Underwater Forensic Investigations Sarah Mormino	Where to from here? (Panel Discussion)
16:15				Clinical forensic medicine – where to from now? John Gall		The Assessment of Headspace GC-C-IRMS as a profiling tool for Cocaine Samples Alexandra Doddridge	Can a machine replicate the biomechanics of human stabbing performance? Kate Sloan	Untargeted LC-MS/MS-based proteomics as a tool for postmortem interval estimation Lana Brockbals		
16:30	Where to from here? (Panel Discussion)		Where to from here? (Panel Discussion)	Where to from here? (Panel Discussion)	Where to from here? (Panel Discussion)	Where to from here? (Panel Discussion)	Where to from here? (Panel Discussion)	Where to from here? (Panel Discussion)		
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