Thursday

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11:30 am—1:00 pm	C1	Can the Eye Still Speak? Forensic Insights Into Iris Recognition After Death and Dissection Sushil Bhatt, MSc*; Jagmahender Singh, PhD; Vishali Gupta, MS
11:30 am—1:00 pm	C2	CrimeEye: A Deep Learning Approach to Suspect Identification from Low-Resolution CCTV Footage Abhishek Kumar Singh, BEng*; Navdha Bhardwaj, MSc
11:30 am—1:00 pm	С3	The Role of Digital Forensics in Identifying Identity Theft Oreoluwa Ladoja, MSc*; Ashraf Mozayani, PharmD; Jasmine Drake, PhD

Facing the Facts

Moderator: Umit Karabiy	ik, PhD	Co-Moderator: David Notowitz, BS
8:15 am—8:35 am	C4	Facial Identification: Standardization, Certification, and Beyond Steven Johnson, BS*; Richard Vorder Bruegge, PhD; Lora Sims
8:35 am—8:55 am	C5	Emerging Paradigms in Forensic Facial Comparison Through Artificial Intelligence Enrique Bermejo, PhD; M. Alejandra Guativonza, MA; Oscar Ibáñez, PhD*; Antonio D. Villegas, MSc; Alejandro Manzanares, MSc; Daniel García, BSc
8:55 am—9:15 am	C6	The Ethical Concerns of artificial Intelligence in Forensic Science Damini Siwan, MSc*; Vishal Sharma, PhD; Kewal Krishan, PhD; Arun Garg, MDS
9:15 am—9:35 am	С7	Advanced Methods in Image Forgery Detection: Bridging Fundamentals and Emerging Technology Chad Johnson, PhD*
9:35 am—9:55 am	C8	Exploring the Impact of PDF Embedding on BMP and GIF Image Integrity and Authentication: The Initial Phase for Forensic Sciences Gregory Wales, DSc*; Gregory Wales, MS
9:55 am—10:10 am		BREAK

Sound Check

Moderator: Nicole Odon	n, MSFS	Co-Moderator: Lucky Onyekwelu-Udoka, PhD
10:10 am—10:30 am	С9	The Sound of Deception: Voice and Language Markers in Emotionally Charged Lies Sunčica Kuzmić, MASc*; Ivan Jerković, PhD; Andrea Ledić, MSc
10:30 am—10:50 am	C10	Speaker-Specific Deepfake Detection in Conversational Audio Analysis Lucky Onyekwelu-Udoka, MASc*; Yong Guan, PhD
10:50 am—11:10 am	C11	Navigating Moral Quandaries on the Front Lines: Lessons From 25 Years of Audio and Video Forensics With Attorneys and Experts David Notowitz, BA*

11:10 am—11:30 am C12 An Al-Based Speech Analysis Technology for Courtroom Media Transcripts

Joseph Remy, JD; Aakash Taneja, PhD; Zachary Lord, BS*; Melany Cruz, BS

11:30 am—1:00 pm **BREAK**

Fake It Until You Make It

Moderator: Catalin Grigoras, PhD		Co-Moderator: Shuangteng Zhang, PhD	
1:00 pm—1:20 pm	C13	The Forensic-Al Fusion Toolbox: A Multi-Modal Framework for the Principled Detection of Advanced Deepfakes Zeno Geradts, PhD* Stijn Van Lierop, MSc	
1:20 pm—1:40 pm	C14	A Holistic and Pragmatic Approach to Deepfake Forensics Marco Fontani, PhD*; Blake Sawyer, BBA; Martino Jerian, MSc	
1:40 pm—2:00 pm	C15	Advances on Structure and Format Analysis for Media Forensics Authentication Cole Whitecotton, MSc*; Catalin Grigoras, PhD*	
2:00 pm—2:20 pm	C16	Evaluating the Use of a Novel Expert System for Media Authentication Results Interpretation Brandon Epstein, MS*; Bertram Lyons, MA*	
2:20 pm—2:35 pm		BREAK	

Frames, Clicks, and Clues

Moderator: Joseph Remy, JD		Co-Moderator: Yansi Keim, PhD
2:35 pm—2:55 pm	C17	A Quantitative Study of Frame Extraction Methods, Tools, and Their Impact on Extracted Frame Quality From High-Efficiency Video Coding Videos Susan Kost, MSc*; Catalin Grigoras, PhD; Gregory Wales, DSc; Cole Whitecotton, MSc
2:55 pm—3:15 pm	C18	Exploring Dropbox Image Downloads to iPhone Via Safari: File System vs. Camera Roll Validation Study Gregory Wales, DSc*; Presenting Author: Alexander Nash, MS*; Co-Author: Tierney Moe, BS
3:15 pm—3:35 pm	C19	Uncovering User Behavior: AI-Based Timeline Reconstruction From Mobile Evidence Chen Shi, MS*; Yong Guan, PhD
3:35 pm—3:55 pm	C20	The Human Link in an Automated Era: Forensic Expertise in the Peritus Framework Dineusa Amaral, MBA*; Cristiane Barbosa, MA*; Anna Beatriz Rodrigues Geranio

Friday

Catch Me if You Can

Moderator: Jason Lewi	s, PhD	Co-Moderator: Patrick Siewert, BS
8:00 am – 8:20 am	C21	Garmin Forensics: A study on the Device's Data Integrity and Reliability in Court Vinicius Lima, PhD*; Akif Ozer, MS; Umit Karabiyik, PhD
8:20 am—8:40 am	C22	iGEM: A Multi-Device Forensic Visualization Software for Geolocation and Digital Evidence Matching Xiao Hu, MS*; Akif Ozer, MS*; Marcus Rogers, PhD; Umit Karabiyik, PhD*
8:40 am—9:00 am	C23	Comparing Smart Phone Geolocation Accuracy: Forensic Analysis of iOS and Android Location Artifacts Jeff Rutherford, BSc*
9:00 am—9:20 am	C24	The Dark Side of Discounts: How Temu Handles Your Data Sonali Tyagi, MS*; Umit Karabiyik, PhD*
9:20 am—9:40 am	C25	Leave a Message—Where?: A Study of Apple's Voicemail Databases Kaylee Schoepe, MS*; Chad Stedl, BS; Andrew Crouse, BA*; Brian Smith, BS
9:40 am—9:50 am		BREAK

Man Versus Machine

Moderator: Xiao Hu, MS	;	Co-Moderator: Michael McGowan, BA
9:50 am—10:10 am	C26	Forensic Analysis and Privacy Implications of LLM Mobile Apps: A Case Study of ChatGPT, Copilot, and Gemini Sonali Tyagi, MS*; Yufeng Gong, MS*; Umit Karabiyik, PhD*
10:10 am—10:30 am	C27	From Screen to Scene: An In-depth Forensic Analysis on DeepSeek Yufeng Gong, MS*; Sonali Tyagi, MS*; Vaishnavi Mahindra, MS*; Umit Karabiyik, PhD*
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10:30 am—10:50 am	C28	Reading Between the Handles: How Bad Actors on Reddit and Darknet Discuss AI/LLM Misuse for CSEA Sonali Tyagi, MS*; Kathryn Seigfried-Spellar, PhD*
10:50 am—11:10 am	C29	Bytes of Evidence: Examining Technology-Facilitated Abuse Against Women and Children Neha Verma, PhD*
11:10 am—11:30 am	C30	Improving CyberTipline Processing: Leveraging Machine Learning and OSINT for Enhanced ICAC Response Nina Matulis, MS*; Marcus Rogers, PhD
11:30 am—1:00 pm		BREAK

Show Me the Money

Moderator: Sonali Tyag	ji, MS	Co-Moderator: Aisha Ali-Gombe, PhD
1:00 pm—1:20 pm	C31	Exploring the Use, Challenges, and Opportunities of Generative AI in Digital Forensics Vir Phoha, PhD*
1:20 pm—1:40 pm	C32	Can Al Explain Fraud? Explainable Al for Document Fraud Detection in Digital Forensics Yujin Lee, BEng*; Umit Karabiyik, PhD; Marcus Rogers, PhD
1:40 pm—2:00 pm	C33	Improving Learner Resilience to Online Fraud Through Immersive Roleplaying Experiences: A Transformative Learning Approach Tatiana Ringenberg, PhD*; Paul Thomas, PhD; Alejandra Magana, PhD
2:00 pm—2:20 pm	C34	Weighted Anomaly Detection and Cross-Chain Arbitrage Analysis: A Blockchain Forensics Framework Xiao Hu, MS*; Umit Karabiyik, PhD*
2:20 pm—2:35 pm		BREAK

Method to the Madness

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Moderator: Kyp Stavrou, BA		Co-Moderator: Tatiana Ringenberg, PhD
2:35 pm—2:55 pm	C35	Intent in Isolation: Forensics of Echo Chamber Activity Vaishnavi Mahindra, MS*; Marcus Rogers, PhD
2:55 pm—3:15 pm	C36	Scalpel3: A New High-Performance Carving Architecture for Recovering Fragmented Files Golden Richard, PhD*; James Ghawaly, PhD; Karley Waguespack, MS
3:15 pm—3:35 pm	C37	A Research-Focused Framework for Empirical Method Validation in Digital and Multimedia Evidence Gregory Wales, DSc*
3:35 pm—3:55 pm	C38	Applied Gamification Research in Digital Forensics Higher Education for Knowledge and Skill Retention Yansi Keim, PhD*; Marcus Rogers, PhD