Anthropology
Evaluating expertise in forensic anthropology
Nicholas V. Passalacqua PhD, Natalie R. Langley PhD, Marin A. Pilloud PhD, MariaTeresa A. Tersigni-Tarrant PhD

Criminalistics
Accuracy of comparison decisions by forensic firearms examiners
Keith L. Monson PhD, Erich D. Smith MSFS, Eugene M. Peters PhD

Y-STR mixture deconvolution by single-cell analysis
Kaitlin Huffman PhD, Erin Hanson PhD, Jack Ballantyne PhD

Organic impurity profiling of fentanyl samples associated with recent clandestine laboratory methods
Steven G. Toske PhD, Jennifer R. Mitchell MS, James M. Myśliński PhD, Andrew J. Walz PhD, David B. Guthrie PhD, Elizabeth M. Guest PhD, Charlotte A. Corbett PhD, Emily D. Lockhart MS

Digital & Multimedia Sciences
We are meeting on Microsoft Teams: Forensic analysis in Windows, Android, and iOS operating systems
Herschel Bowling, Kathryn Seigfried-Spellar PhD, Umit Karabiyik PhD, Marcus Rogers PhD

Engineering & Applied Sciences
Validation of a new method of providing case-specific time-of-death estimates using cadaver temperatures
John Abraham PhD, Tie Wei PhD, Lijing Cheng PhD

General
The most consistent finding in forensic science is inconsistency
Itiel E. Dror PhD

Jurisprudence
Wrongful convictions and claims of false or misleading forensic evidence
John Morgan PhD

Odontology
Deep learning for sex determination: Analyzing over 200,000 panoramic radiographs
Ana Claudia Martins Ciconelle BSc, MSc, Renan Lucio Berbel da Silva DDS, MSc, Jun Ho Kim DDS, MSc, PhD, Bruno Aragão Rocha MD, Dênis Gonçalves dos Santos BSc, Luis Gustavo Rocha Vianna BSc, MSc, Luma Gallacio Gomes Ferreira BSc, Vinícius Henrique Pereira dos Santos, Jeferson Grofino Costa DDS, Renato Vicente BSc, MSc, PhD

Pathology/Biology
Medical examiner response to the drug overdose epidemic in King County Washington: “Real-time” surveillance, data science, and applied forensic epidemiology
Richard C. Harruff MD, PhD, Nicole A. Yarid MD, William L. Barbour BS, Yang H. Martin MS

Psychiatry & Behavioral Science
Mass murders involving firearms and other methods in school, college, and university settings: Findings from the Columbia Mass Murder Database
Ragy R. Girgis MD, Russell Tyler Rogers MA, Hannah Hesson BA, Jeffrey A. Lieberman MD, Paul S. Appelbaum MD, Gary Brucato PhD

Questioned Documents
A statistical approach to aid examiners in the forensic analysis of handwriting
Amy M. Crawford PhD, Danica M. Ommen PhD, Alicia L. Carriquiry PhD

Toxicology
The rise and rise of fentanyl in postmortem casework
Gail Cooper PhD