PSYCHIATRY & BEHAVIORAL SCIENCE

Thursday

Poster Session

11:30 am—1:00 pm	**J1**	**Associations Between Handedness, Aggression, and Psychopathic Traits in Mirror-Image Twins** Erica Baer, PhD*; Joseph Preckajlo, MS; Richard Paul Conti, PhD
11:30 am—1:00 pm	**J2**	**Evaluating Inter-Rater Reliability and Typology Patterns in Arson Case Classification** Rachel H. Blankenship, MS*
11:30 am—1:00 pm	**J3**	**Forensic Psychiatric Challenges in Aging Drivers: The Necessity of an Integrated Traffic Medicine Protocol for Senior DUI Offenders** Cristian Palmiere, MD*
11:30 am—1:00 pm	**J4**	**From Red Flags to Red Scenes: Perpetrator–Scene Interactions in Complex Homicide-Suicides** Federico Battipaglia, MD*; Francesca Consalvo, MD*; Roberto Raimo, MD*; Elena de Laurentiis, MD*; Raffaele Cirillo, MD*; Stefania De Simone, PhD; Roberta Bibbò, MD; Luigi Cipolloni, PhD; Alessandro Santurro, MD, PhD*

Around the World: Forensic Practice Across Borders

Moderator: Ilyse Odesky, PhD — Co-Moderator: Erica Baer, PhD

8:30 am – 9:15 am	**J5**	**The Parallel Trial: Forensic Evidence and the Media in the Garlasco Case** Luciano Garofano, PhD*; Laura Volpini, PsyD*; Michele Vaira, JD*
9:15 am – 9:35 am	**J6**	**A Psychiatric Fitness-for-Custody Examination of Police Detainees: Clinical Characteristics and Outcomes From a French Psychiatric Emergency Department** Marine Dario, MBBS*; Quentin Rebillard, MD; Matthieu Fraigneau, MD; Laurent Martrille, MD, PhD
9:35 am – 9:55 am	**J7**	**Cultural Variations in PTSD Symptoms and the Role of AI in Asylum Evaluations** Nona Bhatia, MD*
9:55 am – 10:10 am		**BREAK**

Trauma Across Borders, Communities, and Contexts

Moderator: Ilyse Odesky, PhD — Co-Moderator: Erica Baer, PhD

10:10 am – 10:30 am	**J8**	**Exploring Forensic Interviewing Techniques for Juvenile Victims of Human Trafficking** Elisa Geiss, PhD*; Madison K. Turner*; Sophia Thompson
10:30 am – 11:00 am	**J9**	**The Weight of Place: Understanding Trauma-Related Memorial Sites** Xenia Kyriakou, PhD; Joseph H. Preckajlo, MS*; Erica Baer, PhD
11:00 am – 11:20 am	**J10**	**The Illusion of Objectivity: Vicarious Trauma, Self-Awareness, and Bias in Forensic Decision-Making** Melda Yazıcıoğlu, PhD*; Aylin Yalçın Sarıbey, PhD
11:20 am – 1:00 pm		**BREAK**

*Presenting Author

PSYCHIATRY & BEHAVIORAL SCIENCE

New Frontiers in Forensic Assessment

Moderator: Corina Freitas, MD, MSc, MBA — Co-Moderator: WIlliam Cardasis, MD

1:00 pm – 1:45 pm	**J11**	**Garbage In, Testimony Out: Artificial Intelligence as an Independent Check in Forensic Psychiatric Evaluation** Vivian T. Shnaidman, MD*
1:45 pm – 2:30 pm	**J12**	**One Ping Only: Signal Detection Theory as a Framework for Accurate Malingering Assessment in Mental Health Evaluations** Alexander Millkey, PsyD*; Stephanie M. Lopez, MD
2:30 pm – 3:45 pm		**BREAK**

From Clues to Conduct: Behavioral Evidence, Offending, and Intervention

Moderator: Corina Freitas — Co-Moderator: WIlliam Cardasis

3:45 pm – 4:05 pm	**J15**	**Post-Conviction Communications With Serial Killers and Violent Offenders: An Untapped Resource for Forensic Behavioral Analysis** Colleen M. Fitzpatrick, PhD*; David R. Adamovich, EdD
4:05 pm – 4:35 pm	**J16**	**Animal Crushing: An Introduction to Offender Characteristics, Psychopathology, and the Law** Brian J. Holoyda, MD*
4:35 pm – 4:55 pm	**J17**	**CBT for Violent Offenders** Sanya Gaur, MSc*; Jagmahender Singh Singh Sehrawat, PhD

Multidisciplinary Session: Criminalistics, Digital & Multimedia Sciences, Engineering & Applied Sciences, Psychiatry & Behavioral Science, and Toxicology

To Boldly Go: Navigating New Frontiers at the Intersection of AI and Forensic Science—Part I

Moderator: Jason Lewis, PhD — Co-Moderator: Ann Geisendorfer, JD

1:00 pm – 1:20 pm	**C21**	**Benchmarking AI Detectors on Altered Images: What Works, What Doesn't, and What We're Still Learning** Stephanie Reinders, PhD*; Gautham Venkatasubramanian, MSc
1:20 pm – 1:40 pm	**C22**	**The Role of Artificial Intelligence-Based Machine Learning Algorithms in Automated Forensic Facial Approximation: A Scientific Stride** Jagmahender Singh Sehrawat, PhD*
1:40 pm – 2:00 pm	**C23**	**Tracing Meaning Across the Universe: A Forensic Semiotic Evaluation of Context Loss and AI Overinterpretation** Ivan Jerković, PhD*; Željana Bašić, PhD
2:00 pm – 2:20 pm	**B124**	**A Quick Differentiation of Similar Paint Colors Using a Palm-Sized Spectrometry Device for Field and Lab Applications: An Emerging Technology Via Machine Learning for an AI Direction** John Z. Wang, PhD*; Long Bing, PhD

2:20 pm – 2:40 pm	**B125**	**AI-Assisted Rare Sperm Cell Identification for Direct Single Cell aSTR Analysis From Late-Reported Post-Coital Samples** Morgan S. Peters-Grim, PhD*; Erik Baumann, BS; DeAna Dziak-Paustian, PhD; Jack Ballantyne, PhD; Erin Hanson, PhD
2:40 pm – 2:50 pm		**BREAK**

To Boldly Go: Navigating New Frontiers at the Intersection of AI and Forensic Science—Part II

Moderator: David Notowitz, BS Co-Moderator: E. Allyn Smith, PhD

2:50 pm – 3:10 pm	**L52**	**Retro-BAC: An R Shiny Application for Retrograde Extrapolation Alcohol Calculation With IA Chatbot** Carlos Espinoza Cruz, PharmD*
3:10 pm – 3:30 pm	**L53**	**Using Machine Learning to Estimate How Designer Benzodiazepines Behave—From Structure Alone** Joel R. Fry, MS*; Dominica Peri, MS; Yomna Elgamal, MS; Guillermo Garza, MS; Marisol Castaneto, PhD; Anthony Rios, PhD; Min Wang, PhD
3:30 pm – 4:00 pm	**D14**	**Artificially Generated Handwriting in Forensic Comparisons** Gautham Venkatasubramanian, MSc*; Alicia L. Carriquiry, PhD
4:00 pm – 5:00 pm	**J13**	**Artificial Intelligence-Associated Psychosis: Clinical and Forensic Implications of Emerging Human–AI Interactions** Amanda Grace Hecker, MD*; Christopher Sterwald, MD; Rebecca Stenersen, MD; Jason Banarsee, MD; Luan Garcia, MD

Friday

Poster Session

11:30 am – 1:00 pm	**J18**	**A Mixed Method Study of the Impact of Adverse Childhood Experiences on the Mental Health Among the Inmates in Northwest Indian Correctional Settings: A Forensic Psychological Perspective** Sanya Gaur, MSc*; Jagmahender Singh Sehrawat, PhD
11:30 am – 1:00 pm	**J19**	**A Multi-Index Reliability Analysis of Criminal Profiling Typologies Among a Sample of Serial Murders** Ashley Keener, PhD; Jason Beaman, DO; Nikki Igo, DO; Aislynn Jahnke, MSFS*
11:30 am – 1:00 pm	**J20**	**Beyond the "Medea Syndrome": Maternal Filicide-Suicide and the Role of Psychological Autopsy and Forensic Investigation** Maria Daniela Monterossi, MD*; Matteo Antonio Sacco, MD, PhD*; Saverio Gualtieri, MD, PhD*; Gioele Grimaldi, MD*; Mattia Solano, MD; Helenia Mastrangelo, MD; Pietro Tarzia, MD; Federica Riillo, MD; Roberto Raffaele, MSc; Valerio Riccardo Aquila, MSc; Palmo Tavernese, LLM; Isabella Aquila, MD, PhD*
11:30 am – 1:00 pm	**J21**	**Evaluative Critiques and Cognitive Biases of Self-Reported Alcohol Screening Questionnaires in Fitness-to-Drive Medical Assessment** Cristian Palmiere, MD*

11:30 am – 1:00 pm	**J22**	**Examining Pre-Criminal Imagination, Criminal Attitudes, and Institutional Rehabilitation Among Juvenile Offenders: A Forensic Psychological Assessment Framework for Rajasthan, India** Priya Sangwan, MSc*; Dr. Gurvinder Singh Bumbrah, PhD
11:30 am – 1:00 pm	**J33**	**The Influence of Attractiveness and Crime Severity on Cognitive Bias in Juror Decisions** Abigail Hoover*; Rachelle Gragg*; Lillie Fuller

Beyond Earth: Forensic Psychiatry at the Final Frontier

Moderator: Xenia Paula Kyriakou, PhD — Co-Moderator: Erica Baer, PhD

8:30 am – 9:00 am	**J23**	**Far, Far Away: Psychiatric Emergencies During Prolonged Spaceflight** Malcolm Crawford, MD*
9:00 am – 9:20 am	**J24**	**Screen Me Up, Scotty: Mental Health Risk Assessment for Commercial Space Travel** Mason Uemura, MD*
9:20 am – 9:40 am	**J25**	**Unidentified Anomalous Phenomena Witness Psychology: A Forensic Perspective on Perception, Cognition, and Eyewitness Reliability** Richard Paul Conti, PhD*; Erica Baer, PhD; Joseph H. Preckajlo, MS
9:40 am – 9:55 am		**BREAK**

Beyond the Familiar: Unusual Presentations in Forensic Practice

Moderator: Xenia Paula Kyriakou, PhD — Co-Moderator: Erica Baer, PhD

9:55 am – 10:40 am	**J26**	**Atypical Human Functioning: Nature, Nurture, or Out of This World? Recognizing Unusual Patient Presentations in Medical and Forensic Settings** Ilyse Odesky, PsyD*; Eileen Kohutis, PhD*
10:40 am – 11:00 am	**J27**	**Beyond Cause of Death: Forensic Autopsy as a Biological Observatory for Psychiatric Disorders** Niccolo Pini, MD, PhD*; Stefano Tambuzzi, MD, PhD*; Maria Cleofe Ubezio, MD; Raffaella Calati, PsyD; Ilaria Rossetto, MD, PhD; Alida Amadeo, BSc; Cristina Cattaneo, MD, PhD
11:00 am – 1:00 pm		**BREAK**

At the Limits: Human Performance in Extreme Environments

Moderator: Joseph Preckajlo — Co-Moderator: Richard Conti

1:00 pm – 2:00 pm	**J28**	**The Neurobiology of Extreme Operational Environments: Advancing the Enhanced Trauma-Informed Policing (E-TIP) Framework for Forensic Professionals** Gregory I. Mack, Ph.D., PhD*; Monica Brooker, PhD*
2:00 pm – 3:00 pm	**J29**	**Moral Injury in Law Enforcement: Lessons for Human Performance in Extreme and High-Stakes Environments** Stephanie Tacopina, PhD*; Gregory I. Mack, Ph.D., PhD*; Christina Gille, PsyD*; Marisol Habrahamshon, PsyD*
3:00 pm – 3:15 pm		**BREAK**

PSYCHIATRY & BEHAVIORAL SCIENCE

Vulnerability and Risk Across Forensic Populations

Moderator: Joseph Preckajlo

Co-Moderator: Richard Conti

3:15 pm – 3:45 pm	**J30**	**A Review of Cannabis Use and Teen Suicide: A Child Death Review Committee of Oakland County, Michigan** William V. Cardasis, MD*; Ljubisa J. Dragovic, MD*; Ella C. Deisinger
3:45 pm – 4:05 pm	**J31**	**Attention-Deficit/Hyperactivity Disorder (ADHD) as a Vulnerability Factor for Juvenile Offending: A Retrospective Forensic Study** Sharon Duzioni, MD*; Maria Piai, MD; Donna Gherardi, MD; Francesco Lupariello, MD, PhD; Lino Nobili, MD, PhD; Alessandro Bonsignore, MD, PhD
4:05 pm – 4:35 pm	**J32**	**Beyond the Archive: Quantitative Reconstruction of Wartime Mortality in an Institutionalized Forensic Psychiatric Population** Ilaria Rossetto, MD, PhD*; Stefano Tambuzzi, MD, PhD; Mirko Mattia, PhD; Cristina Cattaneo, MD, PhD