

# Symposium J

WEDNESDAY OCTOBER 11<sup>TH</sup>

 **8:15 A.M. – 10:15 A.M. – ORAL SESSION J1**

Room: FEESC

- 8:15 – 8:30 A.M. Opening
- 8:30 – 9:00 A.M. TOOLMARKS AND FRACTURE MATCHING BY SEM **(J501, Invited)** Horst Katterwe (Bundeskriminalamt)
- 9:00 – 9:45 A.M. FIREARM COMPARISON **(J526, Invited)**, Andrea Porto Carreiro (Campos)
- 9:45 – 10:15 A.M. TOOLMARKS AND IMPRESSION EVIDENCE IN THE ANALYSIS OF BULLETS **(J518, Invited)**, S. L. Zemmerman (University of California), M. T. Beddow (University of California), D. G. Howitt (University of California) and S. J. Chen (University of California) ■



**10:15 A.M. - 10:30 A.M. – COFFEE BREAK**



**10:30 A.M. – 12:30 P.M. – ORAL SESSION J2**

Room: FEESC

- 10:30 – 11:00 A.M. SERIAL NUMBER RESTORATION IN METALS AND POLYMERS **(J502, Invited)**, Horst Katterwe (Bundeskriminalamt)
- 11:00 – 11:30 A.M. RECOVERING SERIAL NUMBERS IN LASER ENGRAVED FRAMES OF FIREARMS **(J514, Invited)** Andrea Porto Carreiro Campos (Dept. de Polícia Técnica), Paulo Acioly Marques dos Santos (Inst. de Física - UFF), Ladário da Silva (Escola Naval - MB) and Vilma Jorge Abib (Inst. Crim. Carlos Éboli)
- 11:30 – 12:00 A.M. FAILURE ANALYSIS OF AN EXPLODED CYLINDER OF A .454 CASULL GUN **(J525, Invited)** Fernando César Mattos (EPUSP) and André Paulo Tschiptschin (USP)
- 12:00 – 12:30 P.M. CASEWORK EXAMPLES ILLUSTRATING THE INTEGRATION OF POLARIZED LIGHT AND SCANNING ELECTRON MICROSCOPY IN THE STUDY OF MICROSCOPIC TRACE EVIDENCE **(Invited)**, Palenik, S. (Microtrace Scientific, USA) ■



**12:30 P.M. – 2:00 P.M. – LUNCH**



**2:00 P.M. – 2:45 P.M. – PLENARY LECTURE**

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**2:50 P.M. – 4:20 P.M. – ORAL SESSION J3**

Room: FEESC

- 2:50 – 3:20 P.M. GUNSHOT RESIDUES: LIMITS IN PARTICLE DETECTION WITH AUTOMATED SYSTEMS **(J517, Invited)**, Frank Bauer (Oxford Instruments)
- 3:20 – 3:35 P.M. POSSIBLE MISINTERPRETATION MISTAKES IN THE SEM/EDX MICROANALYSIS OF Pb-Sb-Ba IN GSR SAMPLES **(J524)** Willian Tito Soares (UFMG) and Aba Israel Cohen Persiano (UFMG)
- 3:35 – 3:50 P.M. A COMPARATIVE STUDY OF GUNSHOT RESIDUES OF ORIGINAL AND RECHARGED AMMUNITIONS THROUGH SEM/EDS **(J513)** Antonio Azevedo Da Costa (UFPE), Giovanni Rolim Martins (ICPAS), Milton Antonino Da Silva Jr. (ICPAS), Fernanda Emanuela C. Da Silva (ITEP), Gilberto Fernandes Silva (ICPAS), Fernando H. Leal Benevides (ICPAS), KAYNARA C. Nery Rabêlo (ICPAS), Francisco L. Correia Rangel (UFPE), Marcelo Mastroiane De Melo (4o BPE), Adenaule James Geber De Melo (IC-AL), Vânia Lima Da Silva (ICPAS) and Ingrid Távora Weber (ITEP)
- 3:50 – 4:05 P.M. THE INFLUENCE OF FINDING GUNSHOT RESIDUE USING SEM-EDS AFTER MACHINE AND HAND WASHING OF TWO DIFFERENT TYPES OF FABRICS **(J512)** Nelson Patrocínio (Polícia Científica de Cam), Carlos A.P. Leite (UNICAMP), Daniel Razzo (UNICAMP) and Fernando Galembeck (UNICAMP)
- 4:05 – 4:20 P.M. SEM ANALYSIS OF GUNSHOT RESIDUES OF A MACHINE GUN AND LIGHT AUTOMATIC RIFLE COLLECTED DIRECTLY FROM THE BODY OF THE SHOOTER **(J522)** Karina Markmann (CME-UFRGS), Miriam Souza Santos (CME-UFRGS), Liege Abel (IGP-RS) and Luís Frederico P. Dick (CME-UFRGS). ■



**4:20 P.M. – 4:40 P.M. – COFFEE BREAK**



**4:20 P.M. – 5:45 P.M. – POSTER SESSION PJ1**

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**5:50 P.M. – 7:00 P.M. – PLENARY SESSION**



**20:30 P.M.** 🍷 *Conference Dinner* 🍷

THURSDAY OCTOBER 12<sup>TH</sup>



**8:15 A.M. – 10:15 A.M.** – Assembleia Rede Polvora



**10:15 A.M. - 10:30 A.M. – COFFEE BREAK**



**10:45 A.M. - CLOSING PLENARY SESSION**