

International Conference on

FORENSIC RESEARCH & TECHNOLOGY

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ANNUAL BIOMARKERS CONGRESS

September 17-18, 2018 | Osaka, Japan

Forensic Intelligence Applied To Legal Engineering**Jose Helano and Matos Nogueira**

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The forensic activities has evolved over time, many strategies, plans, and frameworks have been proposed in order to mitigate the complexity of forensic work and absence of resources to effectively well develop the crime combat and criminal persecution which reflects the constantly changing landscape within which forensic sciences operate. The forensic intelligence is still relatively new in the field of forensic science and the advances in legal engineering requires innovative techniques, methods, and strategies to combat local, regional, national, international crimes. This article provides an in-depth case study at Brazilian Federal Police in order to help academics, forensic scientists, forensic experts, police officers, managers, and policy makers in the legal engineering community to

establish a holistic understanding and a realistic discussion that advances the frontiers of the forensic science. First, this article offers a scientific study and differentiation on the relevant definitions, such as intelligence, forensics, forensic intelligence, engineering, and legal engineering. Second, it depicts the scientific methodology and methods applied in this study. Third, it presents the application of forensic intelligence and its results in the legal engineering arena. Fourth, it reveals important discussions on the results obtained to solve the proposed problem including diverse social, economic, technological, and organisational activities that affect forensic science in many countries.

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