HORIZON-CL3-2021-FCT-01-05: Modern biometrics used in forensic science and by police
EXPERTISE OFFER — TASK LEAD, PARTNER

Researcher — András CZEBE, PhD

András Czebe is a junior research fellow at the Institute for Legal Studies at the Centre for Social Sciences. His fields of excellence include the theory of evidence and forensic identification. He gained experience in studying the philosophy, automation and scalability of the analysis, comparison, evaluation, and verification processes; validation of biometrics in criminal investigations; protection, harmonization and standardization of biometric data and processes; transformation of existing biometric technology for use in the judicial system; exchange of biometric data and interoperability of the systems. Czebe's recent research aims at increasing crime investigations, prosecutions, and convictions through more efficient detection. More information:

Researcher profile

Expertise offer for the call

- Legal and policy analysis on European common approaches for analysing risks/threats, and identifying and deploying relevant security measures while exploiting biometric information, cross-border forensic evidence
- Expertise on the creation and use of biometric information technologies (considering the gender dimension where relevant) including cost-benefit considerations, as well as fundamental rights such as privacy, protection of personal data and free movement of persons
- Legal and ethical impact assessment of biometric technologies information in tackling terrorism and other forms of serious and organised crime, and of the key challenges related to it, such as harmonisation/standardisation of data and processes

Relevant research experience, projects & publications

Czebe, A. (2022) Fegyverek egyenlősége a digitális forradalom korában: A leplezett eszközök alkalmazásával összegyűjtött elektronikus adatok garanciális kérdései [Equality of arms in the age of the digital revolution: guarantee issues of electronic data collected using concealed devices]. Kúriai Döntések, 141-147. [in Hungarian]

Czebe, A. (2020) Fuzzy logic behind forensic identity, Belügyi Szemle, 68(2), 11-22.

Czebe, A., Kovács, G. (2016) How cognitive infocommunications play a critical role in shaping the future of forensic sciences. 7th IEEE International Conference on Cognitive Infocommunications, 000283-000288.

Czebe, A., Kovács, G. (2015) The impact of bias in latent fingerprint identification. 6th IEEE International Conference on Cognitive Infocommunications, 569-574.

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Centre for Social Sciences (CSS) Budapest

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- sociology
- political science
- computational social science
- network science
- minority studies and
- legal studies

using the latest scientific methods and high quality research data. CSS Budapest is dedicated to building collaborative, trans-disciplinary research networks both within Hungary and internationally.