COGNITIVE SYSTEMS FOR PUBLIC PROTECTION

Protecting citizens is one of today's biggest societal challenges. In order to analyse the huge amount of video data generated, advanced visual surveillance systems have been developed which offer insights and facilitate the automatic extraction of security-relevant information for operators and LEAs.

BIG DATA FORENSICS

We are working on a flexible, semi-automated video forensics system for the analysis of mass video data after terrorist attacks. This system will improve the efficiency and quality of work for investigators. Furthermore we are contributing our combined expertise in video and audio analysis, as well as the use of artificial intelligence models in order to develop an intelligent and special forensics platform, which will allow very large and unstructured streams of raw data from videos, images, audio recordings and documents to be intelligently filtered, sorted and automatically annotated, so that the investigating officers can very efficiently create a digital case file.

Furthermore, in numerous national and EU research projects we have developed the GraphSense analysis platform, a tool for the forensic analysis of virtual currency transactions. Further information: https://www.ait.ac.at/sup/, https://www.ait.ac.at/graphsense/.

//Virtual currencies are having a growing impact. AIT is working on algorithmic solutions designed to help us understand such systems and to detect any anomalies in them.

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