



Horizon 2020 Secure Societies European Info Day and Brokerage Event

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Fondazione Politecnico di Milano

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Description of the Organization



- The Politecnico di Milano is one of the leading technical universities in Italy, hosting 1.700 professors and researchers
- The Fondazione Politecnico di Milano (FPM) is a university foundation set up in order to promote, develop, and manage research projects
- The Dipartimento di Elettronica, Informazione e Bioingegneria (DEIB) of Politecnico di Milano hosts advanced research in bioengineering, electrical engineering, electronics, computer engineering, systems and control, and telecommunications. Relevant research areas for this call: *Security and artificial intelligence (AI)*.
 - *Security* considers privacy in service systems and clouds, cryptography, confidentiality and integrity in power grids.
 - In *AI*, research topics are autonomous agents and multi-agent systems. **One issues** concerns solution concepts and cooperation mechanisms for the interaction of rational agents able to be deployed in different real-world situations. Also autonomous robotics is a relevant area concerning how to enable autonomous robots to perform tasks while satisfying market constraints such as reliability, safety, power self-sufficiency, and cost/effectiveness, among others.



Sub-Topic Others

Analysis of fraud actions in the dark web

Objective of the project is the **Development of a novel knowledge-based approach for detecting and preventing fraudulent financial activities (e.g. money laundering) that are supported by advanced technologies**

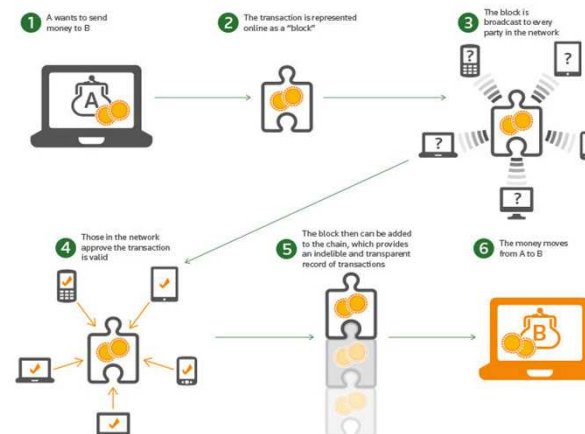
Project foresees:

- Collection of potentially 'interesting data' (e.g. Suspicious Transaction Reports)
- Re-elaboration and enrichment of data through the application of automated analysers
- Adoption of Knowledge Representation tools for the identification of fraud actions
- Development of deduction rules through the exploitation of inference engine

Output of the project will be a Pilot Financial Crime Information Extractor and Analyser

Expertise: Computer and network security,
Data mining, Pattern recognition,
Cryptographic protocols, Knowledge
Representation methodologies and tools

We **search** for LEAs and Industries in Security
domain



References:

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