

Intitulé du projet	Automatic Extraction and Analysis of Evidence Data in Cybercrime Investigations.		
Domaine/axe	Génie Logiciel, Système d'Information et Technologies WEB/ Systèmes d'information avancés		
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Résumé du projet	The first generation of digital forensic tools is very limited and is struggling to keep pace with modern analysis workload and computing paradigms. The process of digital forensic investigation is very slow as a result of the complexity of search and analysis methods employed, lack of memory due to large volumes of data to be investigated, lack of automation, data abstraction, etc. We propose to develop a forensic system for the automatic extraction and standardization of data forensics in a canonical form, and for coding and reasoning about the context and content of suspect data collections, fusing the information in a fashion that is sensitive to context, and enabling the extraction of information about the structure of meaning and community as described in forensic data and in their collection. We will then use this forensic system to investigate the construction of context, meaning and community in cybercrime investigations. We will work closely with the CRJJ (Centre de Recherche juridique et Judiciaire) of the Algerian Ministry of Justice, to collect the use-case data that will be used in the investigation. The members of the team bring a combination of proven research skills and software development background in digital forensics, cybercrime investigations, software engineering, data mining, cooperative information systems, and network analysis, that we believe is synergistic and will enable the successful completion of the project.		

Chercheurs impliqués dans le projet

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