



# UCL - ICTEAM / Crypto Group

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## Description

The UCL Crypto Group gathers some twenty researchers with backgrounds from microelectronics, telecommunications, computer science and mathematics.

This wide diversity of knowledge allowed the group to develop a strong expertise in cryptography but also in its applications to various security related issues, including physical attacks and countermeasures on hardware devices (smart-cards, FPGAs, ASICs), efficient implementation of cryptosystems, design and analysis of cryptosystems and protocols, elliptic curve and identity based cryptography, formal foundations of cryptography, zero-knowledge identification, privacy enhancing technologies, voting systems, spam analysis, etc.

Through strong commitment to academic research (more than 150 international publications since 2004) and its numerous collaborations with industrial partners, the UCL Crypto Group is intensively involved in the evolution of security technology, including the design of the next generation of smart-cards, sensor networks, privacy preserving systems, etc.

## Les marchés

Energie et environnement

Industrie

Défense et sécurité

## Les technologies

Systèmes embarqués

Internet des objets