

Olivier Benoit



Senior Security Engineer at Ingenico
Security and Investigations

<http://www.directoryinventor.com/profile/view/A2YvoAZ4>

Experience

Senior Cryptography Engineer & PKI Project Manager

Ingenico

Public Company; Information Technology and Services
January 2009 - Present

As a Senior Cryptography Engineer, I am performing a number of security investigation (Side-Channel analysis, Differential Fault Analysis, Protocol Analysis) on Payment Terminal with the objective to pass PCI-PTS v3 certification and to be compliant with VISA PIN Security Requirement. My responsibility as the Ingenico Public Key Infrastructure Project Manager is to handle all the evolution (CA, RA, Injection tool) across Ingenico organization and external partner.

Scientist

Gemalto

501-1000 employees; Public Company; Electrical/Electronic Manufacturing
October 2007 - December 2008

Specification of a Remote Personalization solution Prototyping of the main elements (card, server, application) Management of the process evolution at personalization, production and order management entities.

Crypto Engineering Group Manager

Gemalto

501-1000 employees; Public Company; Electrical/Electronic Manufacturing
December 2006 - October 2007

Security Analyst & Architect

Gemalto

501-1000 employees; Public Company; Electrical/Electronic Manufacturing
January 2004 - December 2006

Expert in security evaluation (side-channel and fault analysis) Responsible for security features design in SW and HW

Physical Security Coordinator

Gemalto

501-1000 employees; Public Company; Electrical/Electronic Manufacturing

October 2001 - December 2003

Responsible of a team dedicated to smartcard security evaluation (side-channel and fault attack) - 7 engineers with various expertise: hardware, electronic, cryptography, software...

Security Expert

Gemplus Canada (Montreal)

Information Technology and Services

March 2000 - September 2001

Responsible of a small development team (3 engineers) designing cryptographic libraries fro ATMEL chip

Security Engineer

Gemalto

501-1000 employees; Public Company; Electrical/Electronic Manufacturing

January 1998 - February 2000

Development of cryptographic libraries with side-channel resistance (DES, SHA, RSA, RSA key generation, COMP128 ...)

Smartcard developer

Gemalto

501-1000 employees; Public Company; Electrical/Electronic Manufacturing

December 1996 - December 1997

Embedded smartcard operating system & application development in assembly and C

Education

Institut national des Sciences appliques de Lyon

Electrical

1991 - 1996

Activities and Societies: Rock Climbing

Last year performed in Montana State University - Bozeman - USA Electrical Engineering Department International Student Exchange Program (ISEP)

Patents (6)

Method and securing electronic device data processing (1 worldwide citation)

Olivier Benoit

August 23, 2011: 08006058

Method of securely unlocking a mobile terminal (1 worldwide citation)

Etienne Cambois, Olivier Benoit
December 28, 2010: 07860487

Secure data transmission between two modules (1 worldwide citation)

Eric Brier, Jacques Fournier, Pascal Moitrel, Olivier Benoit, Philippe Proust
December 21, 2010: 07856099

Method for countermeasure in an electronic component using a secret key algorithm (4 worldwide citation)

Jean Sebastien Coron, Nathalie Feyt, Olivier Benoit
December 30, 2008: 07471791

Modular exponentiation algorithm in an electronic component using a public key encryption algorithm

Olivier Benoit
February 6, 2007: 07174016

Countermeasure method in an electronic component using a secret key cryptographic algorithm (2 worldwide citation)

Christophe Clavier, Olivier Benoit
August 1, 2006: 07085378

[View all \(6\)](#)