

Les projets de recherches

Les projets d'étudiants / chercheurs

La liste des projets de recherches, thèses, mémoires, études ... réalisés par des étudiants est sur le site web du groupe de discussion.

Les projets européens

Le projet **BITE**, point de départ d'un débat européen sur l'éthique de la biométrie

Les techniques biométriques sont de plus en plus fréquemment présentées comme un moyen de lutte contre la fraude et le vol. Des débats sont en cours dans plusieurs pays sur la nécessité de cette technologie. Une vaste étude de ses implications, à laquelle participeraient toutes les parties prenantes potentielles, n'a cependant pas encore été entreprise.

Le projet BITE vise à combler cette lacune. Financé au titre de la section Science et Société du Sixième programme-cadre (6e PC), le projet BITE (biometric identification technology ethics - éthique des technologies d'identification biométrique) réunit neuf partenaires d'origines diverses. Leur objectif est d'aider l'industrie et les universités à faire face aux questions éthiques soulevées par la biométrie, et de lancer un débat public sur ses implications. [Suite de l'article...](#)

Pour tout renseignement complémentaire sur le projet BITE, consulter le site web suivant : <http://www.biteproject.org>

La liste ci-dessous des projets européens a été réalisée par J.L. DAUDON, ces informations proviennent du site : www.cordis.lu

Nota : les liens du document sont actifs - **Nota** : les projets sur fond gris sont en cours

Projets
<p>CALLER VERIFICATION IN BANKING AND TELECOMMUNICATIONS (CAVE)</p> <p>Start Date : 1995-11-01 End Date : 1997-04-30</p> <p>CAVE will tighten the security of "calling-card" and telephone banking services using speaker verification technology. It will advance the state-of-the-art in this field, delivering the technology on proven industry-standard platforms. The prototype system design will facilitate integration into a range of application environments. It will be scaleable for handling a large number of clients and ab...</p> <p>Leader : PTT Telecom B.V NL</p>
<p>The development of autofocussing <i>biometric</i> iris identification technology for security systems (BRITE/EURAM 3)</p> <p>Start Date : 1996-11-19 End Date : 1997-10-31</p>

A persons iris is their most unique visible characteristic and it has long been recognised that the iris has huge potential for use as a biometric security device. There are, however, huge practical problems associated with the development of viable security devices...

Leader : Silicon Supplies Ltd UK

Advanced security for personal communications technologies (ASPECT)

Start Date: 1995-09-01 **End Date:** 1998-08-31

The mobile telecommunications industry is undergoing a continuing transformation as an increasing number of services, offered by more and more network operators and service providers, becomes available to a growing number of users. The main objective of ASPeCT is to study the feasibility and acceptability of new and advanced security features for these new services in existing and future personal ...

Leader : Vodafone Ltd UK

Multimodal Verification for Teleservices and Security Applications (M2VTS)

Start Date: 1995-10-01 **End Date:** 1998-09-30

The primary goal of the M2VTS project is to address the issue of secured access to local and centralised services in a multi-media environment. The main objective is to extend the scope of application of network-based services by adding novel and intelligent functionalities, enabled by automatic verification systems combining multimodal strategies (secured access based on speech, image and other i...

Leader : Matra Communication / Department: Speech Processing F

Biometrics test services (BIOTEST)

Start Date: 1996-07-15 **End Date:** 1998-10-14

BIOTEST is concerned with *biometric* technologies as used for the authentication of individuals. It is aimed at developing standard metrics for comparing *biometric* devices of different types, and has attracted interest from a wide cross-section of commerce and industry. It is intended that these metrics might eventually be the subject of formal standardisation (e.g. through ISO). The metrics develo...

Leader : Sistemas y Tratamiento de Informacion Sa SP

A COST EFFECTIVE BIOMETRIC FOR SECURITY APPLICATIONS USING INFRA-RED VEIN IMAGING WITH CONVENTIONAL COMPUTING PLATFORMS (VEIN BIOMETRIC)

Update Date: 1999-04-30

There is a world-wide demand in the "security" industry for a low-cost, reliable system which can be used to automatically identify people. Biometrics is seen as the way forward as it provides the ultimate level of security - the identification of people by their personal characteristics. There are several biometrics systems currently being developed which use fingerprints, voiceprints, facial cha...

Leader : RONOVS UK

A WALK-BY *BIOMETRIC* IDENTIFICATION SYSTEM BASED ON FACE RECOGNITION (WABY)**Update Date:** 1999-06-08

Security is becoming an integral part of strategies and measures implemented by industry and public authorities in order to maintain high standards of personal protection and quality of life. Access control is a key element of any security concept. It is essential that only authorised persons can access specific locations and/or information. Attempts at unauthorised access have to be detected and ...

Leader : NV NEDERLANDISCHE APPARATENFABRIEK NEDAP NL

Business Environment of Biometrics involved in electronic commerce (BEE)**Start Date :** 2000-12-01 **End Date :** 2002-02-28

The BEE project will identify barriers, bottlenecks and proposing scenarios for creating a secure e-commerce business environment favourable to *biometric* technologies. It will also identify the social and economic impacts of using *biometric* technologies in the security of electronic commerce in the next decade. A series of future scenarios will be constructed for capturing a whole range of possibi...

Leader : PriceWaterhouseCoopers N.V. NL

Biometric Matching and Authentication System on Card (FINGER_CARD)**Start Date :** 2001-01-01 **End Date :** 2002-06-30

The objective of this proposal is to add and integrate biometrics into a standard smartcard for secure and comfortable authentication and identification. Interoperability of the integration will be an important objective in those applications. *Biometric* smartcard integration will be performed at different levels resulting in a system with higher security and privacy than existing solutions may pro...

Leader : Infineon Technologies Ag D

Electronic Polling System for Remote Voting Operations (E-POLL)**Start date** 2000-09- 01 **End date** 2002 08 31

The E-POLL project introduces innovative systems to support the voting process based on leading edge technologies or introducing new technologies.
The concept of electronic vote is full of promises: low cost, high reliability and security, access for all voters independently from where they are on the voting day, easy access for impaired persons, etc. The goal of E-POLL is to bridge the gap betwee...

Siemens Informatica S.p.a.. I

User friendly face access control system for physical access and healthcare applications (U-FACE)**Start Date :** 2000-04-02 **End Date :** 2002-10-01

UFACE will apply emerging facial *biometric* methods to access control for physical access and

healthcare (patient records). Recognition by the face has advantages over fingerprints, iris, etc. It is natural, culturally acceptable and easy to use unlike passwords or tokens, which are forgotten, lost or shared. An existing biometrics, which meets low security needs, will be enhanced to work on a wide...

Leader : Visual Automation Limited UK

Protecting Accumulated Intellectual Data for Accounting in Real-time

(PAIDFAIR)

Start Date : 2001-06-01 End Date : 2002-11-30

The Trial adopts not already established leading edge technology for protecting and usage measuring of Intellectual Property (IP) content and software for e-commerce models in different fields. The PAIDFAIR partners from four European countries therefore supply new applications. The suppliers will benefit from a faster exploitation and the users have the chance for an early competitive advantage. ...

Leader : Wibu-Systems Aktiengesellschaft D

Secure Authentication by a Biometric Rationale and Integration into Network Applications (SABRINA)

Start Date : 2001-01-01 End Date : 2002-12-31

A new on biometrical authentication methodology is proposed which provides much higher security levels as all comparable technologies known today. The methodology is suitable for mass production at very low price. The SABRINA project will develop the first production samples of the sensor unit along with a generic application platform for various test scenarios. The first pilots within this projec...

Leader : Hitex-Systementwicklung D

Biometric Access Control for Networked and e-Commerce Applications (BANCA)

Start Date : 2000-02-01 End Date : 2003-01-31

The objective of this project is to develop and implement a complete secured system with enhanced identification, authentication and access control schemes for applications over Internet such as tele-working and Web-banking services. One of the major innovations of this project will be to obtain an enhanced security system by combining classical security protocols with robust multimodal verificati...

Leader : Ibermatica S.A. SP

Jean-Louis Daudon nous a malheureusement quitté en mars 2005. Durant les trois années passées au sein de l'ARATEM, il mit son expertise technique et son expérience industrielle au service des entreprises et laboratoires régionaux. Son action a été particulièrement marquante et appréciée dans les domaines de la vision industrielle et des mesures sans contact. Un autre domaine dans lequel il excella aussi fut la biométrie et le contrôle d'accès. Il avait une connaissance parfaite des technologies, des besoins et des innovations nécessaires pour faire évoluer ce domaine et participait aux comités Afnor.

