

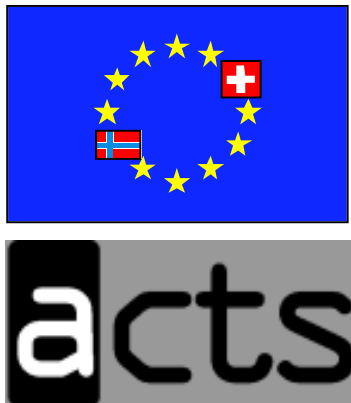
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IBM Zurich Research Laboratory
8803 Rüschlikon -- Switzerland

Project Overview

SEMPER Day 2
IBM Zurich Research Lab, November 4th, 1998



Organization



- **European Research & Development Project**
 - First proposal mid 1994
 - 9/1995-12/1998
 - ACTS Programme: 50% EU & CH,N
 - ~ 30 people
 - ~ 20 partners
 - ~ 13.000.000 CHF

Consortium



Service provision

- Otto Versand
- Eurocom
- Fogra
- Maris

Banking

- Europay
- Commerzbank

Telecom operators

- France Télécom
- KPN Research
- Intracom

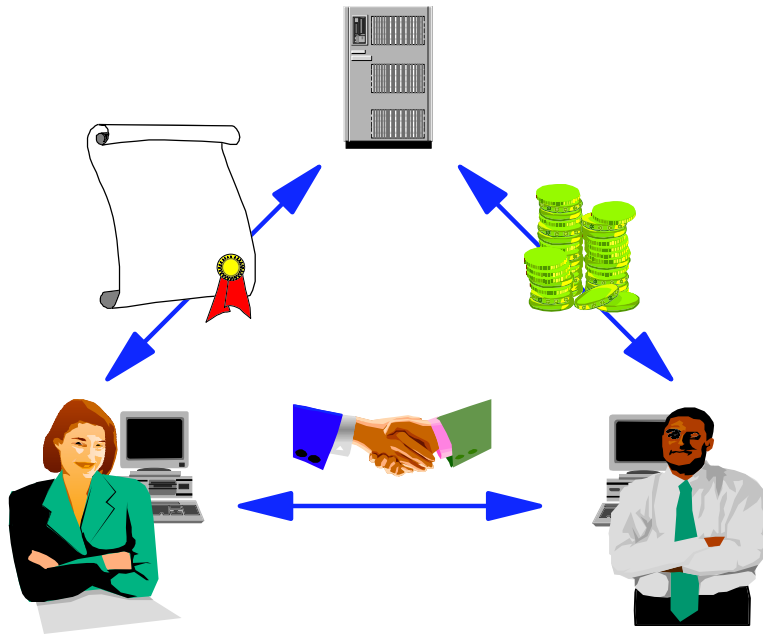
Social sciences

- Freiburg Univ.

Security engineering

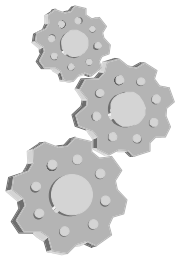
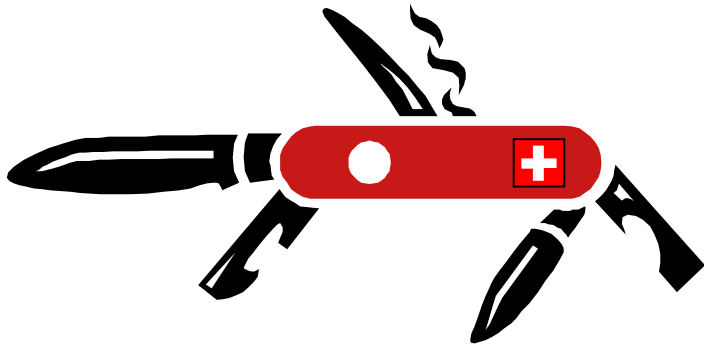
- Cryptomathic
- CWI
- Digicash
- GMD
- IBM
- r³
- SINTEF
- Dortmund Univ.
- Saarbrücken Univ.

Objectives



- **Secure e-commerce**
 - Business to business
 - Business to consumer
 - Person to person
- **Leitmotive**
 - Integrated services
 - Fairness
 - Multi-party security
- **Framework**
 - Coherent
 - Complete
 - Extensible

Results



- **Architecture and protocols**
 - Document-level security
 - Secure transfers and fair exchanges of business documents
 - Integrates payments, credentials, signatures, encryption, ...
 - Steps are linked into secure processes
- **Prototype implementation**
 - Several trials (F,NL,D)
 - Fair Internet Trader (FIT): *demo*
- **SECA: SEMPER Electronic Commerce Agreement**

Programme for Today

Gerard Lacoste &
Michael Waidner
Jens Kristensen
Arnd Weber

Welcome and Project Overview

European Research in E-Commerce and Brokerage
Security Requirements by Commercial Parties



10.15-10.30

Michael Steiner
Matthias Schunter
N. Asokan
Torben Pedersen
Birgit Baum-Waidner

Architecture of SEMPER
Protocols and an Architecture for Fair Exchanges
SEMPER Generic Payment Service Framework
Security Policies and Trust Management
Liability Cover Service



13.00-14.00

Rita Zihlmann

**Legal Issues and the SEMPER Electronic
Commerce Agreement (SECA)**

Dale Whinnett

Trials and their Evaluation



15.00-15.15

Thomas Hecht &
Michael Steiner
Peter Landrock

Concept and Demo of the Fair Internet Trader (FIT)

**SEMPER and Future Directions in
Secure Electronic Commerce**

17.00

More Information

- **For this workshop**
 - Reports in front of the auditorium
- **<www.semper.org>**
 - Deliverables, papers, presentations
- **Final project report**
 - Springer-Verlag, LNCS, 1999

