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Project Overview

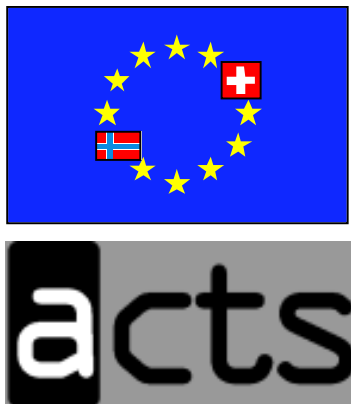**SEMPER Day 2**

IBM Zurich Research Lab, November 4th, 1998

IBM

Organization

SEMPER

- **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**   – **Fogra**
– **Eurocom**   – **Maris**

Banking

– **Europay**   – **Commerzbank**

Telecom operators

– **France Télécom**   – **Intracom**
– **KPN Research**

Social sciences

– **Freiburg Univ.**

Security engineering

– **Cryptomathic**   – **r³**
– **CWI**   – **SINTEF**
– **Digicash**   – **Dortmund Univ.**
– **GMD**   – **Saarbrücken Univ.**
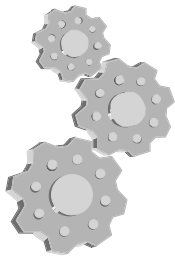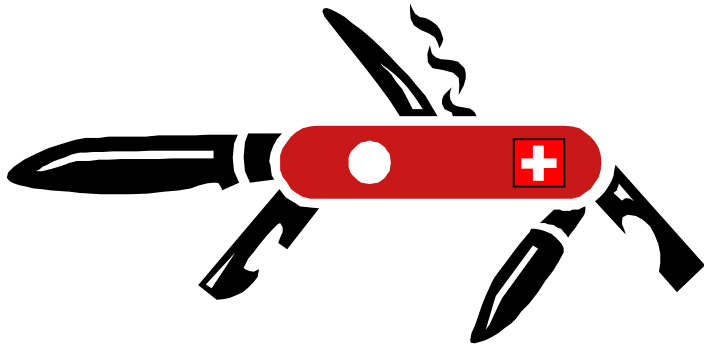– **IBM**

Objectives
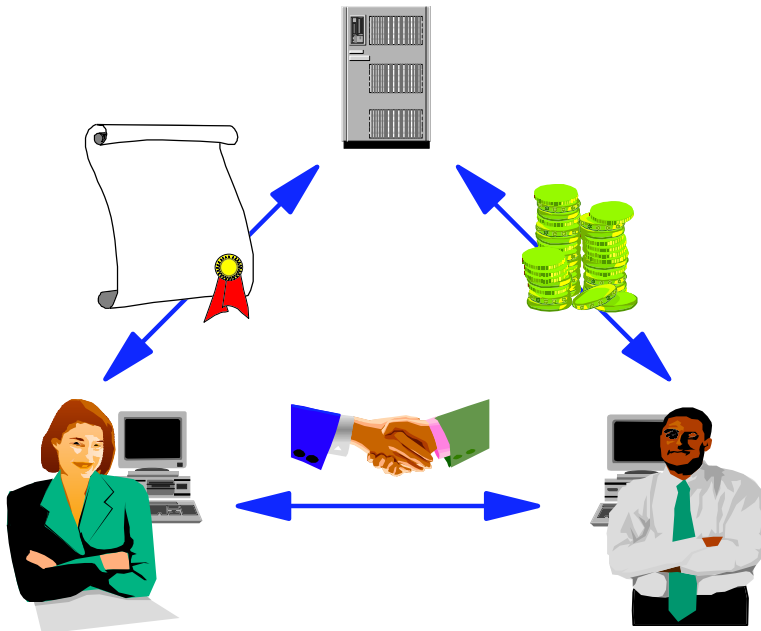
- **Secure e-commerce**
  - Business to business
  - Business to consumer
  - Person to person

- **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 **Welcome and Project Overview**

Jens Kristensen **European Research in E-Commerce and Brokerage**

Arnd Weber **Security Requirements by Commercial Parties**

10.15-10.30

Michael Steiner **Architecture of SEMPER**

Matthias Schunter **Protocols and an Architecture for Fair Exchanges**

N. Asokan **SEMPER Generic Payment Service Framework**

Torben Pedersen **Security Policies and Trust Management**

Birgit Baum-Waidner **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 **Concept and Demo of the Fair Internet Trader (FIT)**

Peter Landrock **SEMPER and Future Directions in
Secure Electronic Commerc**

17.00

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More Information

- ## For this workshop
  - Reports in front of the auditorium

- ## <www.semper.org>
  - Deliverables, papers, presentations

- ## Final project report
  - Springer-Verlag, LNCS, 1999