Project Overview

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

**SEMPER**

- **European Research & Development Project**
  - First proposal mid 1994
  - ACTS Programme: 50% EU & CH,N
  - ~ 30 people
  - ~ 20 partners
  - ~ 13,000,000 CHF
Consortium

Service provision
- Otto Versand
- Eurocom
- Commerzbank
- Maris

Banking
- Europay
- Commersbank

Telecom operators
- France Télécom
- Intracom
- KPN Research

Social sciences
- Freiburg Univ.

Security engineering
- Cryptomathic
- CWI
- Digicash
- Dortmunda
- 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

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker(s)</th>
<th>Topic</th>
</tr>
</thead>
</table>
| 10.15-10.30 | Gerard Lacoste & Michael Waidner | Welcome and Project Overview  
European Research in E-Commerce and Brokerage  
Security Requirements by Commercial Parties |
| 13.00-14.00 | 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 |
| 15.00-15.15 | Rita Zihlmann | Legal Issues and the SEMPER Electronic Commerce Agreement (SECA) |
|          | Dale Whinnett | Trials and their Evaluation |
|          | Thomas Hecht & Michael Steiner | Concept and Demo of the Fair Internet Trader (FIT) |
|          | Peter Landrock | SEMPER and Future Directions in Secure Electronic Commerce |

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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