Message from the Conference Chair
Conference Committee
Program Committee
Tutorial Committee
Reviewers
Speaker Biographies
Wednesday Morning, December 8
Keynote Speech
Distinguished Lecture
How to Cheat at the Lottery (or, Massively Parallel Requirements Engineering)
Wednesday 10:30 A.M., December 8
Electronic Commerce
Modular Fair Exchange Protocols for Electronic Commerce
Trustworthy Access Control with Untrustworthy Web Servers
A Language for Modelling Secure Business Transactions
System Engineering
Safe Areas of Computation for Secure Computing with Insecure Applications
Architecture and Concepts of the ARGuE Guard
Using Abuse Case Models for Security Requirements Analysis
Wednesday 1:30 P.M., December 8
Networks
A Parallel Packet Screen for High Speed Networks
An Asynchronous Distributed Access Control Architecture for IP over ATM Networks
Secure Communications in ATM Networks
Panel Session--The Collection and Use of Meaningful Red Team Metrics
Wednesday 3:30 P.M., December 8
Security Analysis
Using Checkable Types in Automatic Protocol Analysis
SCR: A Practical Approach to Building a High Assurance COMSEC System
Application-Level Isolation Using Data Inconsistency Detection
Workflow
A Prototype Secure Workflow Server
Napoleon: A Recipe for Workflow
Tools to Support Secure Enterprise Computing
Thursday 8:30 A.M., December 9
Crypto
An Effective Defense Against First Party Attacks in Public-Key Algorithms
Towards a Practical, Secure, and Very Large Scale Online Election
Design of LAN-Lock, A System for Securing Wireless Networks
Panel Session--Composition Problems of Component TOEs - Entrust, Oracle, and Windows NT/2000
Thursday 10:30 A.M., December 9
Security Services

Toward a Taxonomy and Costing Method for Security Services

TrustedBox: A Kernel-Level Integrity Checker

Adding Availability to Log Services of Untrusted Machines

Security Policy

Policy-Based Management: Bridging the Gap

Security Policy Coordination for Heterogeneous Information Systems

The ARBAC99 Model for Administration of Roles

Thursday 1:00 P.M., December 9

Public Key Infrastructures

A Distributed Certificate Management System (DCMS) Supporting Group-Based Access Controls

Fast Checking of Individual Certificate Revocation on Small Systems

A Model of Certificate Revocation

Forum--Information Security Education for the Next Millennium: Building the Next Generation of Practitioners

Thursday 3:00 P.M., December 9

Public Key Infrastructures

Generic Support for PKIX Certificate Management in CDSA

Efficient Certificate Status Handling Within PKIs: An Application to Public Administration Services

Mobile Code

User Authentication and Authorization in the Java Platform

Transactions in Java Card

Friday 8:30 A.M., December 10

Panel Session--Legal and Technical Responses to Protecting the U.S. Critical Infrastructures

Middleware

A Middleware Approach to Asynchronous and Backward Compatible Detection and Prevention of ARP Cache Poisoning

A Resource Access Decision Service for CORBA-Based Distributed Systems

Non-repudiation Evidence Generation for CORBA using XML

Friday 10:30 A.M., December 10

Security Architectures

Security Relevancy Analysis on the Registry of Windows NT 4.0

Security Architecture Development and Results for a Distributed Modeling and Simulation System

SecurSight: An Architecture for Secure Information Access

Intrusion Detection

SAM: Security Adaptation Manager

An Application of Machine Learning to Network Intrusion Detection

A Process State-Transition Analysis and Its Application to Intrusion Detection

Author Index