



**Twelfth Annual
Computer Security Applications Conference
December 9-13, 1996 • San Diego, California**

Technical Program Features and Organization

We continue to add diversity to the manner in which computer security applications are discussed at the conference. Paper sessions include refereed papers that describe the latest in implementations and applications-oriented research. The conference includes two types of sessions designed to allow significant time for interaction with the audience: *panel* sessions are designed to provoke discussion on a controversial topic; *forum* sessions report on the results of implementation activities.

Vendor presentations proved to be valuable the last two years and are included again this year. The Vendor presentations allow providers of products and/or services an opportunity to describe the innovative ways in which their products or services are being used to implement secure systems. On Thursday and Friday, the Vendor Track will include vendor presentations on capabilities and applications of INFOSEC products to realistic civil, defense, and commercial problems. The Vendor Track will feature systems integrators, designers, and architects from the government and private sector. Displays will also be open on Wednesday during the evening reception and on Thursday between the sessions and breaks.

Technical Program

WEDNESDAY, DECEMBER 11, 1996

GENERAL SESSION

7:30	Registration	
8:30	Opening Remarks	Dr. Gary Smith Conference Chair, SAIC
8:35	Welcome to San Diego	Hotel Manager
8:40	Keynote Speaker	Jim Flyzik Dept. of Treasury
9:10	Distinguished Lecture	Dr. Roger Schell Novell, Inc.
9:50	Student Paper Award	Dr. Matt Bishop UC, Davis
	Technical Program	Dr. Ravi Sandhu Program Chair

9:55	Introduction	George Mason University
10:00	Break	

Program Splits Into Tracks A and B

TRACK A	TRACK B
<p>10:30 Security Engineering</p> <p>Chair: Jody Heaney, The MITRE Corporation</p> <p>An Evaluation of the JAVA Security Model</p> <p>Andreas Sterbenz, University of Graz, Austria</p> <p>Implementing Security Policy in a Large Defense Procurement</p> <p>Michael Nash, Gamma Secure Systems, UK; Ronald Kennett, Royal Air Force, UK</p> <p>An Authenticated Camera</p> <p>John Kelsey, Bruce Schneier and Chris Hall, Counterpane Systems</p>	<p>10:30 Forum: SSE-CMM Pilot Results</p> <p>Moderator: M. Schanken, National Security Agency</p> <p>Speakers: Warren Monroe, Hughes Aircraft; Robert Schwartz, TRW; Jan Filsinger, TIS</p>
12:00 LUNCH	12:00 LUNCH
<p>1:30 Secure Links</p> <p>Chair: Terry Vickers-Benzel, Trusted Information Systems</p> <p>A Case Study of Two NRL Pump Prototypes</p> <p>Myong Kang, Ira Moskowitz, Bruce Montrose and James Paronese, Naval Research Laboratory</p> <p>Asymmetric Isolation</p> <p>John Davidson, Norex</p> <p>Starlight: Interactive Link</p>	<p>1:30 Electronic Payment</p> <p>Chair: Dan Thomsen, Secure Computing Corporation</p> <p>Security Measures for the Austrian "PAYCHIP" Electronic Purse Application</p> <p>Manfred Holzbach, STUZZA, Austria</p> <p>Design of a Secure Electronic Payment System for the Internet</p> <p>Vijay Varadharajan, University of Western Sydney, Australia, and Micheal Hitchens, Sydney University, Australia</p> <p>Innovative Secure Payments on the Internet Using the</p>

M. Anderson, C. North, J. Griffin, R. Milner, J. Yesberg and K. Yiu, Defense Science and Technology Organization, Australia	German Electronic Purse Brigitte Althen, Brigitte Nebelung and Gerd Enste, debis Systemhaus GEI
3:00 BREAK	3:00 BREAK
3:30 Forum: Alternate Assurance Working Group Moderator: Klaus Keus, BSI, Germany Speakers: Herve Hosy, SCSSI, France; Deitra Kimpton, CSE, Canada; Mary Schanken, NSA; and Gene Troy, NIST	3:30 Cryptographic Protocols Chair: Eugene Bacic, Texar, Canada Proxies for Anonymous Routing Michael Reed, Paul Syverson and David Goldschlag, Naval Research Laboratory Design Choices for Symmetric Key Based Inter-Domain Protocols for Distributed Systems Vijay Varadharajan, University of West Sydney, Australia and Micheal Hitchens, Sydney University, Australia Verifying the Correctness of Cryptographic Protocols Using "Convince" Randall Lichota, Hughes Technical Services; Steve Brackin, Arca Systems; Grace Hammonds, AGCS Security Issues in an EDI Environment N. Zhang, Manchester Metro University; Q. Shi, Liverpool J.M. University
5:30 RECEPTION	5:30 RECEPTION

Wednesday Reception

starting promptly at 5:30 PM

The reception provides an opportunity for informal conversation and renewal of acquaintances. Continuing an innovation from last year, vendor displays will be available to provide product and service information.

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