



## 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

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

9:55	<b>Introduction</b>	George Mason University
10:00	<b>Break</b>	

## Program Splits Into Tracks A and B

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

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

### 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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