

# Preface

The 4th Australasian Conference on Information Security and Privacy was held at the University of Wollongong, Australia. The conference was sponsored by the Centre for Computer Security Research, University of Wollongong, and the Australian Computer Society. The aim of the conference was to bring together people working in different areas of computer, communication, and information security from universities, industry, and government institutions. The conference gave the participants an opportunity to discuss the latest developments in the quickly growing area of information security and privacy.

The program committee accepted 26 papers from 53 submitted. From those accepted, thirteen papers were from Australia, two each from Belgium and China, and one each from Austria, Belarus, France, India, Japan, Korea, Singapore, the USA, and Yugoslavia. Conference sessions covered the following topics: access control and security models, network security, Boolean functions, group communication, cryptanalysis, key management systems, electronic commerce, signature schemes, RSA cryptosystems, and odds and ends.

We would like to thank the members of the program committee who generously spent their time reading and evaluating the papers. We would also like to thank members of the organising committee and, in particular, Chris Charnes, Hossein Ghodosi, Marc Gysin, Tiang-Bing Xia, Cheng-Xin Qu, San Yeow Lee, Yejing Wang, Hua-Xiong Wang, Chih-Hung Li, Willy Susilo, Chintan Shah, Jeffrey Horton, and Ghulam Rasool Chaudhry for their continuous and tireless effort in organising the conference. Finally, we would like to thank the authors of all the submitted papers, especially the accepted ones, and all the participants who made the conference a successful event.

February 1999

Josef Pieprzyk  
Rei Safavi-Naini  
Jennifer Seberry

# FOURTH AUSTRALASIAN CONFERENCE ON INFORMATION SECURITY AND PRIVACY ACISP'99

*Sponsored by*

**Center for Computer Security Research  
University of Wollongong, Australia**

*and*

**Australian Computer Society**

## **General Chair:**

Jennifer Seberry

*University of Wollongong*

## **Program Co-Chairs:**

Josef Pieprzyk

*University of Wollongong*

Rei Safavi-Naini

*University of Wollongong*

## **Program Committee:**

Colin Boyd

*Queensland University of Technology, Australia*

Lawrie Brown

*Australian Defence Force Academy, Australia*

Bill Caelli

*Queensland University of Technology, Australia*

Ed Dawson

*Queensland University of Technology, Australia*

Cunsheng Ding

*National University of Singapore, Singapore*

Dieter Gollmann

*Microsoft Research, UK*

Yongfei Han

*Gemplus, Singapore*

Thomas Hardjono

*Bay Networks, US*

Erland Jonsson

*Chalmers University, Sweden*

Svein Knapskog

*University of Trondheim, Norway*

Keith Martin

*Katholieke Universiteit Leuven, Belgium*

Cathy Meadows

*Naval Research Laboratory, US*

Kaisa Nyberg

*Nokia Research Center, Finland*

Choon-Sik Park *Electronics and Telecommunication Research Institute, Korea*

Dingyi Pei

*Academia Sinica, China*

Steve Roberts

*Witham Pty Ltd, Australia*

Greg Rose  
 Ravi Sandhu  
 Stafford Tavares  
 Vijay Varadharajan  
 Yuliang Zheng

*Qualcomm, Australia*  
*George Mason University, US*  
*Queen's University, Canada*  
*Western Sydney University, Australia*  
*Monash University, Australia*

## Referees

N. Asokan  
 Yun Bai  
 Simon Blackburn  
 Colin Boyd  
 Lawrie Brown  
 Bill Caelli  
 Ed Dawson  
 Cunsheng Ding  
 Gary Gaskell  
 Janusz Getta  
 Dieter Gollmann  
 Marc Gysin  
 Yongfei Han  
 Thomas Hardjono

Zhang Jiang  
 Erland Jonsson  
 Svein Knapskog  
 Hu Lei  
 Leszek Maciaszek  
 Keith Martin  
 Cathy Meadows  
 Bill Millan  
 Qi Ming  
 Sang-Jae Moon  
 Yi Mu  
 Kenny Nguyen  
 Kaisa Nyberg  
 Choon-Sik Park

Dingyi Pei  
 Josef Pieprzyk  
 Vincent Rijmen  
 Steve Roberts  
 Greg Rose  
 Rei Safavi-Naini  
 Ravi Sandhu  
 Rajan Shankaran  
 Stafford Tavares  
 Vijay Varadharajan  
 Kapaleeswaran  
 Viswanathan  
 Chuan Wu  
 Yuliang Zheng.