## CONTENTS

**Preface** vii  
**Acknowledgements** ix  

**Part One - Reviewed Papers**

1. A Role-Based Specification of the SET Payment Transaction Protocol  
   *Hideki Sakurada, Yasuyuki Tsukada*  
   1

2. Information Security: Mutual Authentication in E-Commerce  
   *S.H. Von Solms, M. V. Kisimov*  
   15

3. Software-Based Receipt-Freeness in On-Line Elections  
   *Emmanouil Magkos, Vassilios Chrissikopoulos, Nikos Alexandris*  
   33

4. ID-Based Structured Multisignature Schemes  
   *Chih-Yin Lin, Tzong-Chen Wu, Jing-Jang Hwang*  
   45

5. Probabilistic Relations for the Solitaire Keystream Generator  
   *Marina Pudovkina*  
   61

   *Nathalie Foster, Jeremy Jacob*  
   75

7. Securing RMI Communication  
   *Vincent Naessens, Bart Vanhaute, Bart De Decker*  
   93

8. Secure Java Development With UML  
   *Jan Jürjens*  
   107

   *Bart De Win, Bart Vanhaute, Bart De Decker*  
   125

10. Extending a Campus Network with Remote Bubbles using IPsec  
    *Aurélien Bonnet, Marc Lobelle*  
    139

    *Joris Claessens, Bart Preneel, Joos Vandewalle*  
    153
12 On Mobile Agent Based Transactions in Moderately Hostile Environments
Niklas Borselius, Chris J. Mitchell, Aaron Wilson

13 SPARTA, A Mobile Agent Based Intrusion Detection System
Christopher Krügel, Thomas Toth, Engin Kirda

Part Two - Invited Papers

1 Shell’s Trust Domain Infrastructure Security Certification
Pieter van Dijken

Author Index