NSS 2010 Call For Papers

While the attack systems have become more easy-to-use, sophisticated, and powerful, interest has greatly increased in the field of building more effective, intelligent, adaptive, active and high performance defense systems which are distributed and networked. We will focus our program on issues related to Network and System Security, such as authentication, access control, availability, integrity, privacy, confidentiality, dependability and sustainability of computer networks and systems. The aim of this conference is to provide a leading edge forum to foster interaction between researchers and developers with the network and system security communities, and to give attendees an opportunity to interact with experts in academia, industry and governments.

NSS 2010 will be in technical co-sponsorship with the IEEE and the IEEE Computer Society Technical Committee on Scalable Computing.

NSS 2010 will be held in Melbourne, Australia. Since 2002, Melbourne has been consistently ranked in the top three 'World's Most Livable Cities' by The Economist.

Topics of interest include, but not limited to:

- Active Defense Systems
- Adaptive Defense Systems
- Benchmark, Analysis and Evaluation of Security Systems
- Biometric Security
- Distributed Access Control and Trust Management
- Distributed Attack Systems and Mechanisms
- Distributed Intrusion Detection/Prevention Systems
- Denial-of-Service Attacks and Countermeasures
- High Performance Security Systems
- Identity Management and Authentication
- Implementation, Deployment and Management of Security Systems
- Intelligent Defense Systems
- Internet and Network Forensics
- Key Distribution and Management
- Large-scale Attacks and Defense
- RFID Security and Privacy
- Security Architectures in Distributed Network Systems
- Security for Critical Infrastructures
- Security in P2P systems
- Security in Cloud and Grid Systems
- Security in E-Commerce
- Security and Privacy in Wireless Networks
- Secure Mobile Agents and Mobile Code
- Security Protocols
- Security Simulation and Tools
- Security Theory and Tools
- Standards and Assurance Methods
- Trusted Computing
- Viruses, Worms, and Other Malicious Code
- World Wide Web Security

Submission Guidelines

To submit your paper, please go to http://www.anss.org.au/nss2010 and follow the link “Submit Your Paper”. Submitted papers must not substantially overlap with papers that have been published or that are simultaneously submitted to a journal or a conference with proceedings. Papers must be clearly presented in English, must not exceed 8 pages, including tables, figures, references and appendixes, in IEEE CS proceedings 8.5” x 11” Two-Column Format, with Portable Document Format (.pdf). Papers will be selected based on their originality, timeliness, significance, relevance, and clarity of presentation. Submission of a paper should be regarded as a commitment that, should the paper be accepted, at least one of the authors will register and attend the conference to present the work.

The publication will be IEEE Computer Society Proceedings (EI, ISTP, and INSPEC indexed). Selected best papers will be published in The Computer Journal (Oxford), Computers & Security (Elsevier), and Concurrency and Computation: Practice & Experience (Wiley). All journals are SCI and EI indexed.

General Chairs
Wanlei Zhou, Deakin University, Australia
Ahmad-Reza Sadeghi, Ruhr-University Bochum, Germany

Program Chairs
Yang Xiang, Central Queensland University, Australia
Pierangela Samarati, University of Milan, Italy
Jiankun Hu, RMIT University, Australia

Workshop Chairs
Zesheng Chen, Indiana Uni-Purdue Uni Fort Wayne, USA
Haining Wang, College of William and Mary, USA

Publicity Chair
Laurent Lefevre, INRIA, University of Lyon, France
Wen Tao Zhu, Chinese Academy of Sciences, China
Muhammad Khurram Khan, King Saud University, Saudi Arabia

PC Members (Please see NSS 2010 website)

Important Dates
Workshop Proposal Due: April 30, 2010
Submission Deadline: May 10, 2010 (UTC/GMT time 23:59, firm)
Authors Notification: June 7, 2010
Final Manuscript Due: June 21, 2010

Website and Contact Information
Further questions, please email ieee.nss@gmail.com
# NSS 2010 Program

## Tuesday 31 August 2010

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00-18:30</td>
<td>Registration (Registration Desk)</td>
</tr>
<tr>
<td>18:30-20:30</td>
<td>Welcome Reception (Tonic Bar)</td>
</tr>
</tbody>
</table>

## Wednesday 1 September 2010 Morning

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30-09:00</td>
<td>Opening and Welcome (Conference Hall 1 &amp; 2)</td>
</tr>
<tr>
<td></td>
<td>Prof Wanlei Zhou (NSS/HPCC 2010 General Chair, Deakin University, Australia)</td>
</tr>
<tr>
<td></td>
<td>TBD (HPCC 2010 Program Chair, TBD, TBD)</td>
</tr>
<tr>
<td></td>
<td>TBD (NSS 2010 Program Chair, TBD, TBD)</td>
</tr>
<tr>
<td>09:00-10:00</td>
<td>ICDKE 2010 Keynote Address: TBD (Conference Hall 1 &amp; 2)</td>
</tr>
<tr>
<td></td>
<td>Speaker: Gora Datta (CAL2CAL Corporation, USA)</td>
</tr>
<tr>
<td></td>
<td>Chair: Dr Hua Wang (University of Southern Queensland, Australia)</td>
</tr>
<tr>
<td>10:00-10:30</td>
<td>Morning Tea (venue)</td>
</tr>
<tr>
<td>10:30-12:30</td>
<td>Session 1C: NSS 2010 (Conference Hall 2)</td>
</tr>
<tr>
<td></td>
<td>Session 1D: NSS 2010 (M12)</td>
</tr>
<tr>
<td></td>
<td>Session 1F: ICDKE 2010 (M15)</td>
</tr>
</tbody>
</table>

### Session 1C: NSS 2010 (Conference Hall 2) – Distributed Intrusion Detection/Prevention Systems

**Session Chair:** TBD (TBD, TBD)

- A Framework for Monitoring SIP Enterprise Networks
  - Mohamed Nassar, Radu State, and Olivier Fester
- A Flexible and Efficient Alert Correlation Platform for Distributed IDS
  - Sebastian Roschke, Feng Cheng, and Christoph Meinel
- Monitoring Heavy-Hitter Flows in High-Speed Network Concurrently
  - Fengyu Wang, Bin Gong, Shanqing Guo, and Xiaofeng Wang

### Session 1D: NSS 2010 (M12) – Distributed Access Control and Trust Management

**Session Chair:** TBD (TBD, TBD)

- Dynamic Trust Model for Federated Identity Management
  - Hao Gao, Jun Yan, and Yi Mu
- Securing Emergency Response Operations Using Distributed Trust Decisions
  - Peter Danner, Daniel Hein, and Stefan Kraxberger
- Trust-Involved Access Control in Collaborative Open Social Networks
  - Hua Wang and Lili Sun
- Router and Link Admittance Control in the Optimized Link State Routing Protocol Version 2 (OLSRv2)
  - Thomas Clausen and Ulrich Herberg

### Session 1F: ICDKE 2010 (M15) – Modeling

**Session Chair:** TBD (TBD, TBD)

- Cluster Based Rule Discovery Model for Enhancement of Government’s Tobacco Control Strategy
  - Shamsul Huda, John Yearwood, and Ron Borland
- Specifying Usage Control Model with Object Constraint Language
  - Min Li and Hua Wang
- A Query Processing Strategy for Conceptual Queries Based on Object-Role Modeling
  - Antônio Rosado and João M.P. Cardoso
- The Enablers and Implementation Model for Mobile KMS in Australian Healthcare
  - Heng-Sheng Tsai and Raj Gururajan

## Wednesday 1 September 2010 Afternoon

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:30-13:30</td>
<td>Lunch (venue)</td>
</tr>
<tr>
<td>13:30-14:30</td>
<td>HPCC 2010 Keynote Address: HPCC with Grids and Clouds (Conference Hall 1 &amp; 2)</td>
</tr>
<tr>
<td></td>
<td>Speaker: Professor Geoffrey Charles Fox (Indiana University Bloomington, USA)</td>
</tr>
<tr>
<td></td>
<td>Chair: TBD (TBD, TBD)</td>
</tr>
<tr>
<td>14:30-15:00</td>
<td>Afternoon Tea (venue)</td>
</tr>
<tr>
<td>15:00-17:30</td>
<td>Session 2C: NSS 2010</td>
</tr>
<tr>
<td></td>
<td>Session 2D: NSS 2010</td>
</tr>
<tr>
<td></td>
<td>Session 2F: ICDKE 2010</td>
</tr>
<tr>
<td></td>
<td>Session 2G: BFSCS 2010</td>
</tr>
</tbody>
</table>
Session 2C: NSS 2010 (Conference Hall 2) – Denial-of-Service Attacks and Countermeasures
Session Chair: TBD (TBD, TBD)

Information-Theoretic Detection of Masquerade Mimicry Attacks
Juan E. Tapiador and John A. Clark

CALD: Surviving Various Application-Layer DDoS Attacks That Mimic Flash Crowd
Sheng Wen, Weijia Jia, Wei Zhou, Wanlei Zhou, and Chuan Xu

A Novel Threat Assessment Method for DDoS Early Warning Using Network Vulnerability Analysis
Qiang Liu, Jian-ping Yin, Zhi-ping Cai, and Ming Zhu

Adaptive Clustering with Feature Ranking for DDoS Attacks Detection
Lifang Zi, John Yearwood, and Xin-Wen Wu

An Improved Wavelet Analysis Method for Detecting DDoS Attacks
Liang Fu Lu, Mao Lin Huang, Mehmet A. Orgun, and Jia Wan Zhang

Session 2D: NSS 2010 (M12) – Security and Privacy in Wireless Networks
Session Chair: TBD (TBD, TBD)

RF-DNA Fingerprinting for Airport WiMax Communications Security
McKay D. Williams, Sheldon A. Munns, Michael A. Temple, and Michael J. Mendenhall

Energy Friendly Integrity for Network Coding in Wireless Sensor Networks
Anya Apavatjirut, Wassim Znaidi, Antoine Fraboulet, Claire Goursaud, Cédric Lauradoux, and Marine Minier

A Novel Anonymization Technique to Trade Off Location Privacy and Data Integrity in Participatory Sensing Systems
Manzur Mursheed, Tishna Sabrina, Anindya Iqbal, and Kh Mahmudul Alam

A Dynamic Mutual RFID Authentication Model Preventing Unauthorized Third Party Access
Matthieu-P. Schaferow, Alexander Zeier, and Hasso Plattner

Agent-Based Trusted On-Demand Routing Protocol for Mobile Ad Hoc Networks
Islam Tharwat A. Halim, Hossam M.A. Fahmy, Ayman M. Bahaa El-Din, and Mohamed H. El-Shafey

Session 2F: ICDKE 2010 (M15) – Algorithms
Session Chair: TBD (TBD, TBD)

A Smoothing Evolutionary Algorithm with Circle Search for Global Optimization
Yuping Wang and Lei Fan

The PU-Tree: A Partition-Based Uncertain High-Dimensional Indexing Algorithm
Yi Zhuang

An Improved PageRank Algorithm: Immune to Spam
Bing-Yuan Pu, Ting-Zhu Huang, and Chun Wen

The Convergences of Multisplitting Parallel Methods for Non-Hermitian Positive Definite Systems
Chuan-Long Wang and Yan-Ping Wang

Session 2G: BFSCS 2010 (M16)

Face Gender Recognition Based on 2D Principal Component Analysis and Support Vector Machine
Len Bui, Dat Tran, Xu Huang, and Girija Chetty

Password Entropy and Password Quality
Wanli Ma, John Campbell, Dat Tran, and Dale Kleeman

Protecting from Attacking the Man-in-Middle in Wireless Sensor Networks with Elliptic Curve Cryptography Key Exchange
Xu Huang, Pritam Gajkumar Shah, and Dharmendra Sharma

Secure Communication in 802.11 Networks with a Novel Protocol Using Quantum Cryptography
Xu Huang, Shirantha Wijesekera, and Dharmendra Sharma

Scalar Multiplication of a Dynamic Window with Fuzzy Controller for Elliptic Curve Cryptography
Xu Huang, John Campbell, and Frank Gao

Digital Video Tamper Detection Based on Multimodal Fusion of Residue Features
Girija Chetty, Monica Biswas, and Rashmi Singh

Thursday 2 September 2010 Morning

09:00-10:00 NSS 2010 Keynote Address: TBD (Conference Hall 1 & 2)
Speaker: Prof Mohammed Atiquzzaman (University of Oklahoma, USA)
Chair: TBD (TBD, TBD)

10:00-10:30 Morning Tea (venue)
### Session 3C: NSS 2010 (Conference Hall 2) – Benchmark, Analysis and Evaluation of Security System

**Session Chair:** TBD (TBD, TBD)

- Luth: Composing and Parallelizing Midpoint Inspection Devices  
  *Ion Alberdi, Vincent Nicomette, and Philippe Owezarski*
- Analysis of Credential Stealing Attacks in an Open Networked Environment  
  *A. Sharma, Z. Kalbarczyk, R. Iyer, and J. Barlow*
- Business Process-Based Information Security Risk Assessment  
  *Kobra Khanmohammadi and Siv Hilde Houmb*
- Automatic Generation of Assertions to Detect Potential Security Vulnerabilities in C Programs That Use Union and Pointer Types  
  *Shamsul Kamal Ahmad Khalid, Jacob Zimmermann, Diane Corney, and Colin Fidge*

### Session 3D: NSS 2010 (M12) – World Wide Web Security

**Session Chair:** A/Prof Chris Leckie (The University of Melbourne, Australia)

- Towards Identify Anonymization in Large Survey Rating Data  
  *Xiaoxun Sun and Hua Wang*
- Validating Denial of Service Vulnerabilities in Web Services  
  *Suriadi Suriadi, Andrew Clark, and Desmond Schmidt*
- HTTPSLock: Enforcing HTTPS in Unmodified Browsers with Cached Javascript  
  *Adonis P.H. Fung and K.W. Cheung*
- Ignorant Experts: Computer and Network Security Support from Internet Service Providers  
  *Patryk Szewczyk and Craig Valli*
- Comparative Analysis of HTTP Anomaly Detection Algorithms: DFA vs N-Grams  
  *Li Lin, Christopher Leckie, and Chenfeng Zhou*

### Session 3F: ICDKE 2010 (M15) – System Approach

**Session Chair:** TBD (TBD, TBD)

- Systematic Clustering-Based Microaggregation for Statistical Disclosure Control  
  *Md Enamul Kabir and Hua Wang*
- Hybrid Wrapper-Filter Approaches for Input Feature Selection Using Maximum Relevance and Artificial Neural Network Input Gain Measurement Approximation (ANNIGMA)  
  *Shamsul Huda, John Yearwood, and Andrew Strainieri*
- Credit Spread Option Pricing by Dynamic Copulas  
  *Ping Li and Guangdong Huang*
- An Approach to Specify Knowledge in Multi-agent Systems Using Petri Nets  
  *Eder Mateus Nunes Gonçalves*

### Session 3G: APWCS 2010 (M16)

**Session Chairs:** A/Prof Xun Yi (Victoria University, Australia), Prof Masahiro Mambo (University of Tsukuba, Japan), and Prof Lynn Batten (Deakin University, Australia)

- Certificateless Proxy Signature and Its Extension to Blind Signature  
  *Raylin Tso and Xun Yi*
- A Novel Approach to Dynamic ID-Based Remote User Authentication Scheme for Multi-server Environment  
  *Min-Hua Shao and Ying-Chih Chin*
- A Rights Management Approach to Securing Data Distribution in Coalitions  
  *Farzad Salim, Nicholas Paul Sheppard, and Reiheneh Safavi-Naini*
- Security Analysis of Yang et al.’s Practical Password-Based Two-Server Authentication and Key Exchange System  
  *Xun Yi*

### Thursday 2 September 2010 Afternoon

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:30-13:30</td>
<td>Lunch (venue)</td>
</tr>
</tbody>
</table>
| 13:30-14:30| HPCG 2010 Keynote Address: Big Science on DEISA and PRACE - A European HPC Ecosystem (Conference Hall 1 & 2)  
  *Speaker: Prof Wolfgang Gentzsch (DEISA Distributed European Infrastructure for*
**Supercomputing Applications, Germany**
Chair: TBD (TBD, TBD)

14:30-15:00 Afternoon Tea (venue)

15:00-17:30

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 4C: NSS 2010 (Conference Hall 2)</th>
<th>Session 4D: NSS 2010 (M12)</th>
<th>Session 4F: ICDKE 2010 (M15)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:30-15:00</td>
<td>Supercomputing Applications, Germany</td>
<td>Conference Hall 2</td>
<td></td>
</tr>
<tr>
<td>15:00-17:30</td>
<td>Session 4C: NSS 2010</td>
<td>Session 4D: NSS 2010</td>
<td>Session 4F: ICDKE 2010</td>
</tr>
</tbody>
</table>

**Session 4C: NSS 2010 (Conference Hall 2) – Identity Management and Authentication**
Session Chair: TBD (TBD, TBD)

- The Mobile Phone as a Multi OTP Device Using Trusted Computing
  Mohammed Alzomai and Audun Josang
- Fingerprint Reference Point Determination Based on Orientation Features
  Shan Juan Xie, Sook Yoon, Hui Gong, Jinwook Shin, and Dong Sun Park
- A Three-Factor Authenticated Key Agreement Scheme for SIP on Elliptic Curves
  Eun-Jun Yoon and Kee-Young Yoo
- Breaking Tor Anonymity with Game Theory and Data Mining
  Cynthia Wagner, Gerard Wagener, Radu State, Thomas Engel, and Alexandre Dulaunoy
- A Node-based Trust Management Scheme for Mobile Ad-Hoc Networks
  Raihana Ferdous, Vakkipuram Mathukkumarasamy, and Abdul Sattar

**Session 4D: NSS 2010 (M12) – Viruses, Worms, and Other Malicious Code**
Session Chair: TBD (TBD, TBD)

- Overcoming Reputation and Proof-of-Work Systems in Botnets
  Andrew White, Alan Tickle, and Andrew Clark
- Computational Intelligence Utilisation in Simulation of Congestion Control in TCP/IP Edge Network
  Reginald Lal and Andrew Chiou
- Global Detection of Flooding-Based DDoS Attacks Using a Cooperative Overlay Network
  Thaneswaran Velauthapillai, Aaron Harwood, and Shanika Karunasekera
- Identifying Legitimate Clients under Distributed Denial-of-Service Attacks
  Steven Simpson, Adam T. Lindsay, and David Hutchinson
- Getting the Real-Time Precise Round-Trip Time for Stepping Stone Detection
  Ping Li, Wanlei Zhou, and Yini Wang

**Session 4F: ICDKE 2010 (M15) – Knowledge Discovery**
Session Chair: TBD (TBD, TBD)

- Exploratory Study to Explore the Role of ICT in the Process of Knowledge Management in an Indian Business Environment
  Abdul Hafeez-Baig, Raj Gururajan, Heng Sheng Tasi, and Prema Sankaran
- Resource Selection from Distributed Semantic Web Stores
  Ahmad Ali Iqbal, Maximillian Ott, and Aruna Seneviratne
- Spatio-temporal Knowledge Discovery in Very Large METOC Data Sets
  D. Marks, E. Ioup, J. Sample, M. Abdelguerfi, and F. Quddoura
- Privacy-Preserving Protocols for String Matching
  Yonglong Luo, Lei Shi, Caiyun Zhang, and Ji Zhang

**Thursday 2 September 2010 Evening**
18:30-21:30 Conference Banquet (Melbourne Aquarium)

**Friday 3 September 2010 Morning**
09:00-10:00 NSS 2010 Keynote Address: TBD (Conference Hall 1 & 2)
Speaker: Prof Matthew Warren (Deakin University, Australia)
Chair: TBD (TBD, TBD)

10:00-10:30 Morning Tea (venue)

10:30-12:30

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 5C: NSS 2010 (Conference Hall 2)</th>
<th>Session 5D: NSS 2010 (M12)</th>
<th>Session 5F: ICDKE 2010 (M15)</th>
<th>Session 5G: IDCS 2010 Keynote Address by Prof Rajkumar Buyya (Conference Hall 1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30-12:30</td>
<td>Session 5C: NSS 2010</td>
<td>Session 5D: NSS 2010</td>
<td>Session 5F: ICDKE 2010</td>
<td>Session 5G: IDCS 2010 Keynote Address by Prof Rajkumar Buyya (Conference Hall 1)</td>
</tr>
</tbody>
</table>

**Session 5C: NSS 2010 (Conference Hall 2) – Security Protocols**
Efficient Proof of Validity of Votes in Homomorphic E-Voting
Kun Peng and Feng Bao
DIPLOMA: Distributed Policy Enforcement Architecture for MANETs
Mansoor Alicherry and Angelos D. Keromytis
Efficient Ideal Threshold Secret Sharing Schemes Based on EXCLUSIVE-OR Operations
Chunli Lv, Xiaoli Jia, Lijun Tian, Jiwu Jing, and Mingli Sun
A Software Watermarking Algorithm Based on Stack-State Transition Graph
Xu Jinchao and Zeng Guosun

Session Chair: TBD (TBD, TBD)

Efficient Proof of Validity of Votes in Homomorphic E-Voting
Kun Peng and Feng Bao
DIPLOMA: Distributed Policy Enforcement Architecture for MANETs
Mansoor Alicherry and Angelos D. Keromytis
Efficient Ideal Threshold Secret Sharing Schemes Based on EXCLUSIVE-OR Operations
Chunli Lv, Xiaoli Jia, Lijun Tian, Jiwu Jing, and Mingli Sun
A Software Watermarking Algorithm Based on Stack-State Transition Graph
Xu Jinchao and Zeng Guosun

Session 5D: NSS 2010 (M12) – Internet and Network Forensics

Session Chair: TBD (TBD, TBD)

Network Forensics in MANET: Traffic Analysis of Source Spoofed DoS Attacks
Yinghua Guo and Matthew Simon
Forensic Analysis of DoS Attack Traffic in MANET
Yinghua Guo and Ivan Lee
The Design of Real-Time Adaptive Forensically Sound Secure Critical Infrastructure
Ray Hunt and Jill Slay
Command Evaluation in Encrypted Remote Sessions
Robert Koch and Gabi Dreo Rodosek

Session 5F: ICDKE 2010 (M15) – Database and Applications

Session Chair: TBD (TBD, TBD)

A Purpose Based Access Control in XML Databases System
Lili Sun, Hua Wang, Raj Jururajan, and Sri Sriprakash
An Efficient and Effective Duplication Detection Method in Large Database Applications
Ji Zhang
Fast IPTV Channel Switching Using Hot-View and Personalized Channel Preload over IEEE 802.16e
Chih-Lun Chou, Gwo-Jiun Horng, and Sheng-Tzong Cheng
A Pivot-Based Distributed Pseudo Facial Image Retrieval in Manifold Spaces: An Efficiency Study
Yi Zhuang

Friday 3 September 2010 Afternoon

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>12:30-13:30</td>
<td>Lunch (venue)</td>
<td>Chair: TBD (TBD, TBD) Panellists: TBD (TBD, TBD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:00-17:30</td>
<td>Session 6D: NSS 2010 (M12)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Session 6C: NSS 2010 (Conference Hall 2) – Implementation, Deployment and Management of Security Systems
Session Chair: TBD (TBD, TBD)

Security-Oriented Workflows for the Social Sciences
Richard O. Sinnott and Sardar Hussain
Risk-Aware Framework for Activating and Deactivating Policy-Based Response
Wael Kanoun, Nora Cuppens-Boulahia, Frédéric Cuppens, and Samuel Dubus
An Efficient and High Scalable Key Distribution Scheme for Mobile Ad Hoc Network through Mining Traffic Meta-data Patterns
Ahmad Jabas, Wael Abdulal, and S. Ramachandram
Improving Fuzz Testing Using Game Theory
Sheila Becker, Humberto Myatt, Jorge Lucângeli Ohes, Radu State, and Olivier Festor
A View Based Access Control Model for SPARQL

Session Chair: TBD (TBD, TBD)

Efficient Proof of Validity of Votes in Homomorphic E-Voting
Kun Peng and Feng Bao
DIPLOMA: Distributed Policy Enforcement Architecture for MANETs
Mansoor Alicherry and Angelos D. Keromytis
Efficient Ideal Threshold Secret Sharing Schemes Based on EXCLUSIVE-OR Operations
Chunli Lv, Xiaoli Jia, Lijun Tian, Jiwu Jing, and Mingli Sun
A Software Watermarking Algorithm Based on Stack-State Transition Graph
Xu Jinchao and Zeng Guosun

Session 5D: NSS 2010 (M12) – Internet and Network Forensics

Session Chair: TBD (TBD, TBD)

Network Forensics in MANET: Traffic Analysis of Source Spoofed DoS Attacks
Yinghua Guo and Matthew Simon
Forensic Analysis of DoS Attack Traffic in MANET
Yinghua Guo and Ivan Lee
The Design of Real-Time Adaptive Forensically Sound Secure Critical Infrastructure
Ray Hunt and Jill Slay
Command Evaluation in Encrypted Remote Sessions
Robert Koch and Gabi Dreo Rodosek

Session 5F: ICDKE 2010 (M15) – Database and Applications

Session Chair: TBD (TBD, TBD)

A Purpose Based Access Control in XML Databases System
Lili Sun, Hua Wang, Raj Jururajan, and Sri Sriprakash
An Efficient and Effective Duplication Detection Method in Large Database Applications
Ji Zhang
Fast IPTV Channel Switching Using Hot-View and Personalized Channel Preload over IEEE 802.16e
Chih-Lun Chou, Gwo-Jiun Horng, and Sheng-Tzong Cheng
A Pivot-Based Distributed Pseudo Facial Image Retrieval in Manifold Spaces: An Efficiency Study
Yi Zhuang

Friday 3 September 2010 Afternoon

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>12:30-13:30</td>
<td>Lunch (venue)</td>
<td>Chair: TBD (TBD, TBD) Panellists: TBD (TBD, TBD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:00-17:30</td>
<td>Session 6D: NSS 2010 (M12)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Session 6C: NSS 2010 (Conference Hall 2) – Implementation, Deployment and Management of Security Systems
Session Chair: TBD (TBD, TBD)

Security-Oriented Workflows for the Social Sciences
Richard O. Sinnott and Sardar Hussain
Risk-Aware Framework for Activating and Deactivating Policy-Based Response
Wael Kanoun, Nora Cuppens-Boulahia, Frédéric Cuppens, and Samuel Dubus
An Efficient and High Scalable Key Distribution Scheme for Mobile Ad Hoc Network through Mining Traffic Meta-data Patterns
Ahmad Jabas, Wael Abdulal, and S. Ramachandram
Improving Fuzz Testing Using Game Theory
Sheila Becker, Humberto Myatt, Jorge Lucângeli Ohes, Radu State, and Olivier Festor
A View Based Access Control Model for SPARQL
Alban Gabillon and Léo Letouzey

Session 6D: NSS 2010 (M12) – Security Theory and Tools
Session Chair: TBD (TBD, TBD)
Digging into Anonymous Traffic: A Deep Analysis of the Tor Anonymizing Network
Abdelberi Chaabane, Pere Manils, and Mohamed Ali Kaafar
Reasoning about Relation Based Access Control
Alessandro Artale, Bruno Crispo, Fausto Giunchiglia, Fatih Turkmen, and Rui Zhang
Novel Multi-bit Bitwise Adaptive Embedding Algorithms with Minimum Error for Data Hiding
Organizing Access Privileges: Maximizing the Availability and Mitigating the Threat of Insiders’ Knowledgebase
Qussai Yaseen and Brajendra Panda
New Families of 2D & 3D Arrays for Sub-image Watermarking
Oscar Moreno, Andrew Tirkel, Ron van Schyndel, and Udaya Parampalli

Session Chair: TBD (TBD, TBD)
OntoPsic: Leveraging the Knowledge in the Treatment and Diagnosis of Telepsychiatry
da Costa Dias, Ryan Ribeiro de Azevedo, Cleyton Rodrigues, Eric Rommel Galvão Dantas, Guilherme Ataíde Dias, and Roberto Souto Maior de Barros
Five Criteria for Web-Services Security Architecture
R. G. Addie and Alan Colman
A Two-Step Mutual Authentication Protocol Based on Randomized Hash-Lock for Small RFID Networks
Kaleb Lee
vESP: A Video-Enabled Enterprise Search Platform
Pål Halvorsen, Dag Johansen, Bjørn Olstad, Tomas Kupka, and Sverre Tennes
PROCEEDINGS

2010 Fourth International Conference on Network and System Security

—— NSS 2010 ——

1–3 September 2010
Melbourne, Australia

Edited by
Yang Xiang
Pierangela Samarati
Jiankun Hu
Wanlei Zhou
Ahmad-Reza Sadeghi

Los Alamitos, California
IEEE Computer Society
Washington • Tokyo
Table of Contents

Message from the NSS 2010 General Chairs ................................................................. xii
Message from the NSS 2010 Program Chairs ............................................................... xiii
NSS 2010 Organizers ........................................................................................................ xiv
NSS 2010 External Reviewers ......................................................................................... xviii
ICDKE 2010 Preface ........................................................................................................ xix
ICDKE 2010 Organizers ................................................................................................... xx
APWCS 2010 Preface ...................................................................................................... xx
APWCS 2010 Organizers .................................................................................................. xxiii
BFSCS 2010 Preface ....................................................................................................... xxiv
BFSCS 2010 Organizers .................................................................................................. xxv

NSS 2010 Regular Papers

A Framework for Monitoring SIP Enterprise Networks .................................................. 1
Mohamed Nassar, Radu State, and Olivier Festor

Luth: Composing and Parallelizing Midpoint Inspection Devices ................................... 9
Ion Alberdi, Vincent Nicomette, and Philippe Owezarski

Efficient Proof of Validity of Votes in Homomorphic E-Voting .................................... 17
Kun Peng and Feng Bao

A Flexible and Efficient Alert Correlation Platform for Distributed IDS ....................... 24
Sebastian Roschke, Feng Cheng, and Christoph Meinel

RF-DNA Fingerprinting for Airport WiMax Communications Security ......................... 32
McKay D. Williams, Sheldon A. Mynns, Michael A. Temple, and Michael J. Mendenhall

Router and Link Admittance Control in the Optimized Link State Routing
Protocol Version 2 (OLSRv2) ....................................................................................... 40
Thomas Clausen and Ulrich Herberg
Information-Theoretic Detection of Masquerade Mimicry Attacks .................................................. 183

Juan E. Tapiador and John A. Clark

Computational Intelligence Utilisation in Simulation of Congestion Control in TCP/IP Edge Network ........................................................................................................... 191

Reginald Lal and Andrew Chiou

Business Process-Based Information Security Risk Assessment ...................................................... 199

Kobra Khanmohammadi and Siv Hilde Houmb

Risk-Aware Framework for Activating and Deactivating Policy-Based Response .......................................................... 207

Wael Kanoun, Nora Cuppens-Boulahia, Frédéric Cuppens, and Samuel Dubus

Fingerprint Reference Point Determination Based on Orientation Features .................................... 216

Shan Juan Xie, Sook Yoon, Hui Gong, Jinwook Shin, and Dong Sun Park

Energy Friendly Integrity for Network Coding in Wireless Sensor Networks ....................................... 223

Anyapavatjrut, Wassim Znaidi, Antoine Fraboulet, Claire Goursaud, Cédric Lauradoux, and Marine Minier

Reasoning about Relation Based Access Control .................................................................................. 231

Alessandro Artale, Bruno Crispo, Fausto Giunchiglia, Fatih Turkmen, and Rui Zhang

Trust-Involved Access Control in Collaborative Open Social Networks ............................................. 239

Hua Wang and Lili Sun

CALD: Surviving Various Application-Layer DDoS Attacks That Mimic Flash Crowd ......................... 247

Sheng Wen, Weijia Jia, Wei Zhou, Wanlei Zhou, and Chuan Xu

NSS 2010 Short Papers

Agent-Based Trusted On-Demand Routing Protocol for Mobile Ad Hoc Networks ......................................... 255

Islam Tharwat A. Halim, Hossam M.A. Fahmy, Ayman M. Bahaa El-Din, and Mohamed H. El-Shafey

Improving Fuzz Testing Using Game Theory ..................................................................................... 263

Sheila Becker, Humberto Abdelnur, Jorge Lucângeli Obes, Radu State, and Olivier Festor

HTTPSLock: Enforcing HTTPS in Unmodified Browsers with Cached Javascript ........................................... 269

Adonis P.H. Fung and K.W. Cheung

A Node-based Trust Management Scheme for Mobile Ad-Hoc Networks .............................................. 275

Raihana Ferdous, Vallipuram Muthukumarasamy, and Abdul Sattar

Adaptive Clustering with Feature Ranking for DDoS Attacks Detection ............................................... 281

Lifang Zi, John Yearwood, and Xin-Wen Wu

An Efficient and High Scalable Key Distribution Scheme for Mobile Ad Hoc Network through Mining Traffic Meta-data Patterns ......................................................... 287

Ahmad Jabas, Wael Abdulal, and S. Ramachandram
Forensic Analysis of DoS Attack Traffic in MANET ................................................................. 293
    Yinghua Guo and Ivan Lee

Command Evaluation in Encrypted Remote Sessions ......................................................... 299
    Robert Koch and Gabi Drevo Rodosek

Novel Multi-bit Bitwise Adaptive Embedding Algorithms with Minimum Error for Data Hiding ................................................................. 306

Organizing Access Privileges: Maximizing the Availability and Mitigating the Threat of Insiders’ Knowledgebase ......................................................... 312
    Qussai Yaseen and Brajendra Panda

An Improved Wavelet Analysis Method for Detecting DDoS Attacks .................................. 318
    Liang Fu Lu, Mao Lin Huang, Mehmet A. Orgun, and Jia Wan Zhang

A Three-Factor Authenticated Key Agreement Scheme for SIP on Elliptic Curves ................. 334
    Eun-Jun Yoon and Kee-Young Yoo

A Novel Anonymization Technique to Trade Off Location Privacy and Data Integrity in Participatory Sensing Systems ......................................................... 345
    Manzur Murshed, Tisha Sabrina, Anindya Iqbal, and Kh Mahmudul Alam

Automatic Generation of Assertions to Detect Potential Security Vulnerabilities in C Programs That Use Union and Pointer Types ......................................................... 351
    Shamsul Kamal Ahmad Khalid, Jacob Zimmermann, Diane Corney, and Colin Fidge

Global Detection of Flooding-Based DDoS Attacks Using a Cooperative Overlay Network ................................................................. 357
    Thaneswaran Velauthapillai, Aaron Harwood, and Shanika Karunasekera

Identifying Legitimate Clients under Distributed Denial-of-Service Attacks ......................... 365
    Steven Simpson, Adam T. Lindsay, and David Hutchison

A Dynamic Mutual RFID Authentication Model Preventing Unauthorized Third Party Access ................................................................. 371
    Matthias-P. Schapranow, Alexander Zeier, and Hasso Plattner

Getting the Real-Time Precise Round-Trip Time for Stepping Stone Detection .................. 377
    Ping Li, Wanlei Zhou, and Yini Wang
First International Conference on Data and Knowledge Engineering (ICDKE 2010)

ICDKE 2010 Session 1: Modeling

Cluster Based Rule Discovery Model for Enhancement of Government’s Tobacco Control Strategy .......................................................... 383
Shamsul Huda, John Yearwood, and Ron Borland

Specifying Usage Control Model with Object Constraint Language .......................................................... 391
Min Li and Hua Wang

A Query Processing Strategy for Conceptual Queries Based on Object-Role Modeling .......................................................... 398
António Rosado and João M.P. Cardoso

The Enablers and Implementation Model for Mobile KMS in Australian Healthcare .......................................................... 404
Heng-Sheng Tsai and Raj Gururajan

ICDKE 2010 Session 2: Algorithms

A Smoothing Evolutionary Algorithm with Circle Search for Global Optimization .......................................................... 412
Yuping Wang and Lei Fan

The PU-Tree: A Partition-Based Uncertain High-Dimensional Indexing Algorithm .......................................................... 419
Yi Zhuang

An Improved PageRank Algorithm: Immune to Spam .......................................................... 425
Bing-Yuan Pu, Ting-Zhu Huang, and Chun Wen

The Convergences of Multisplitting Parallel Methods for Non-Hermitian Positive Definite Systems .......................................................... 430
Chuan-Long Wang and Yan-Ping Wang

ICDKE 2010 Session 3: System Approach

Systematic Clustering-Based Microaggregation for Statistical Disclosure Control .......................................................... 435
Md Enamul Kabir and Hua Wang

Hybrid Wrapper-Filter Approaches for Input Feature Selection Using Maximum Relevance and Artificial Neural Network Input Gain Measurement Approximation (ANNIGMA) .......................................................... 442
Shamsul Huda, John Yearwood, and Andrew Strainieri

Credit Spread Option Pricing by Dynamic Copulas .......................................................... 450
Ping Li and Guangdong Huang

An Approach to Specify Knowledge in Multi-agent Systems Using Petri Nets .......................................................... 456
Eder Mateus Nunes Gonçalves
ICDKE 2010 Session 4: Knowledge Discovery

Exploratory Study to Explore the Role of ICT in the Process of Knowledge Management in an Indian Business Environment ................................................................. 462
   Abdul Hafeez-Baig, Raj Gururajan, Heng Sheng Tasi, and Prema Sankaran

Resource Selection from Distributed Semantic Web Stores .................................................. 470
   Ahmad Ali Iqbal, Maximilian Ott, and Aruna Seneviratne

Spatio-temporal Knowledge Discovery in Very Large METOC Data Sets ................................. 477
   D. Marks, E. Ioup, J. Sample, M. Abdelguerfi, and F. Qaddoura

Privacy-Preserving Protocols for String Matching ............................................................... 481
   Yonglong Luo, Lei Shi, Caiyun Zhang, and Ji Zhang

ICDKE 2010 Session 5: Database and Applications

A Purpose Based Access Control in XML Databases System .................................................. 486
   Lili Sun, Hua Wang, Raj Jururajin, and Sri Sriprakash

An Efficient and Effective Duplication Detection Method in Large Database Applications ................................................................. 494
   Ji Zhang

Fast IPTV Channel Switching Using Hot-View and Personalized Channel Preload over IEEE 802.16e .................................................................................................................. 502
   Chih-Lun Chou, Gwo-Jiun Horng, and Sheng-Tzong Cheng

A Pivot-Based Distributed Pseudo Facial Image Retrieval in Manifold Spaces:
An Efficiency Study .................................................................................................................. 508
   Yi Zhuang

ICDKE 2010 Session 6: System Architecture and Framework

OntoPsic: Leveraging the Knowledge in the Treatment and Diagnosis of Telepsychiatry ................................................................. 515
   Fabricio da Costa Dias, Ryan Ribeiro de Azevedo, Cleyton Rodrigues,
   Eric Rommel Galvão Dantas, Guilherme Ataíde Dias, and Roberto Souto Maior de Barros

Five Criteria for Web-Services Security Architecture .......................................................... 521
   R. G. Addie and Alan Colman

A Two-Step Mutual Authentication Protocol Based on Randomized Hash-Lock for Small RFID Networks .................................................................................................................. 527
   Kaleb Lee

vESP: A Video-Enabled Enterprise Search Platform .................................................................. 534
   Pål Halvorsen, Dag Johansen, Bjørn Olstad, Tomas Kapka, and Sverre Tennesøe
First Asia-Pacific Workshop on Cyber Security (APWCS 2010)

Certificateless Proxy Signature and Its Extension to Blind Signature .................................................................542
  Raylin Tso and Xun Yi

A Novel Approach to Dynamic ID-Based Remote User Authentication Scheme for Multi-server Environment .................................................................548
  Min-Hua Shao and Ying-Chih Chin

On the Security of Identity Based Threshold Unsigncryption Schemes .................................................................554
  S. Sharmila Deva Selvi, S. Sree Vivek, C. Pandu Rangan, and S. Priti

A Rights Management Approach to Securing Data Distribution in Coalitions .......................................................560
  Farzad Salim, Nicholas Paul Sheppard, and Reiheneh Safavi-Naini

Identity Based Self Delegated Signature - Self Proxy Signatures ........................................................................568
  S. Sharmila Deva Selvi, S. Sree Vivek, S. Gopinath, and C. Pandu Rangan

Security Analysis of Yang et al.’s Practical Password-Based Two-Server Authentication and Key Exchange System ........................................................................574
  Xun Yi

First Workshop on Bio-inspired and Fusion Systems for Cyber Security (BFSCS 2010)

Face Gender Recognition Based on 2D Principal Component Analysis and Support Vector Machine .................................................................579
  Len Bui, Dat Tran, Xu Huang, and Girija Chetty

Password Entropy and Password Quality ........................................................................................................583
  Wanli Ma, John Campbell, Dat Tran, and Dale Kleeman

Protecting from Attacking the Man-in-Middle in Wireless Sensor Networks with Elliptic Curve Cryptography Key Exchange ...............................................................588
  Xu Huang, Pritam Gajkumar Shah, and Dharmendra Sharma

Secure Communication in 802.11 Networks with a Novel Protocol Using Quantum Cryptography ........................................................................................................594
  Xu Huang, Shirantha Wijesekera, and Dharmendra Sharma

Scalar Multiplication of a Dynamic Window with Fuzzy Controller for Elliptic Curve Cryptography .................................................................600
  Xu Huang, John Campbell, and Frank Gao

Digital Video Tamper Detection Based on Multimodal Fusion of Residue Features ........................................................................................................606
  Girija Chetty, Monica Biswas, and Rashmi Singh

Author Index .......................................................................................................................................................614
Message from the NSS 2010 Program Chairs

A warm welcome to the 4th International Conference on Network and System Security (NSS 2010) and to Melbourne, Australia.

NSS has been a premier conference that has brought together researchers and practitioners from academia, industry, and governments around the world to advance the theories and technologies of network and system security, such as authentication, access control, availability, integrity, privacy, confidentiality, dependability, and sustainability of computer networks and systems. The goal of NSS is to establish an international forum for researchers and practitioners to present their excellent ideas and experiences in all system fields of network and system security. NSS 2010 features new results, challenging research questions, novel approaches, and innovative directions in network and system security.

NSS 2010 is the fourth event in a series of highly successful events on network and system security. Previously held were the 3rd International Conference on Network and System Security (NSS 2009, Gold Coast, Australia, October 2009), the 2nd IFIP International Workshop on Network and System Security (NSS 2008, Shanghai, China, October 2008), and the 1st IFIP International Workshop on Network and System Security (NSS 2007, Dalian, China, September 2007), respectively.

In response to the call for papers, we received 131 submissions from 44 countries in the world. These papers were evaluated on the basis of their originality, significance, correctness, relevance, and technical quality. Each paper was reviewed by at least three members of the program committee. Based on these evaluations, of the papers submitted, 33 regular papers and 21 short papers were selected for presentation at the conference, representing 25.2% of acceptance for regular papers.

We would like to thank the Program Committee members and additional reviewers from all around the world for their efforts in reviewing the large number of papers. We appreciate the dedication and professionalism all of the associated conference/workshop chairs. We would like to extend our sincere thanks to the NSS Steering Committee and to the General Chairs, Professor Wanlei Zhou and Professor Ahmad-Reza Sadeghi. They provided us with invaluable guidance throughout the process of paper selection and program organization. We also thank Georgi Cahill, the Conference Secretariat, for her professional organization.

We would also like to take this opportunity to thank all of the authors for their submissions to NSS 2010 and associated conference/workshops. Many of you have travelled some distance to participate in the conference.

Last but not least, we would like to express our gratitude to all of the organizations who have supported our efforts to bring the conference to fruition. We are grateful to Deakin University, Central Queensland University, and the IEEE Computer Society TCSC for their sponsorships and assistance.

Welcome to Melbourne and enjoy!

Yang Xiang, Deakin University, Australia
Pierangela Samarati, University of Milan, Italy
Jiankun Hu, RMIT University, Australia

September 2010
NSS 2010 Organizers

General Chairs
Wanlei Zhou, Deakin University, Australia
Ahmad-Reza, Sadeghi, Ruhr-University Bochum, Germany

Program Chairs
Yang Xiang, Deakin University, Australia
Pierangela Samarati, University of Milan, Italy
Jiankun Hu, RMIT University, Australia

International Advisory Committee
Ehab Al-Shaer, University of North Carolina, Charlotte, USA
David Basin, ETH Zurich, Switzerland
Elisa Bertino, Purdue University, USA
Sushil Jajodia, George Mason University, USA
Weijia Jia, City University of Hong Kong, Hong Kong
Ninghui Li, Purdue University, USA
Peng Ning, North Carolina State University, USA
Jennifer Seberry, University of Wollongong, Australia
Makoto Takizawa, Seikei University, Japan
Vijay Varadharajan, Macquarie University, Australia

Workshop Chairs
Zesheng Chen, Indiana University-Purdue University Fort Wayne, USA
Haining Wang, College of William and Mary, USA

Publicity Chairs
Laurent Lefevre, INRIA, University of Lyon, France
Wen Tao Zhu, Chinese Academy of Sciences, China
Muhammad Khurram Khan, King Saud University, Kingdom of Saudi Arabia

Steering Committee
Wanlei Zhou (Chair), Deakin University, Australia
Ahmad-Reza Sadeghi, Ruhr-University Bochum, Germany
Vijay Varadharajan, Macquarie University, Australia
Yang Xiang, Deakin University, Australia

Program Committee
Jemal Abbawajy, Deakin University, Australia
A. K. Aggarwal, University of Windsor, Canada
Gail-Joon Ahn, Arizona State University, USA
Ozgur B. Akan, Middle East Technical University, Turkey
Shawkat Ali, Central Queensland University, Australia
Emmanuelle Anceaume, IRISA / CNRS, France
Chin-Laung Lei, National Taiwan University, Taiwan
Zhuowei Li, Microsoft, USA
Wenjia Li, University of Maryland Baltimore County, USA
Cheng-Chew Lim, The University of Adelaide, Australia
Jiqiang Liu, Beijing Jiaotong University, China
Javier Lopez, University of Malaga, Spain
Luke McAven, University of Wollongong, Australia
Carlos Aguilar Melchor, Limoges University, France
Chris Mitchell, University of London Royal Holloway, UK
Riad Mokaden, Paul Sabatier University, France
Edward David Moreno, DCOMP/UFS Federal University of Sergipe, Brazil
Yi Mu, University of Wollongong, Australia
Juan Gonzalez Nieto, Queensland University of Technology, Australia
Jose A. Onieva, University of Malaga, Spain
Xinming Ou, Kansas State University, USA
Ozcan Ozturk, Bilkent University, Turkey
Symeon Papavassiliou, National Technical University of Athens, Greece
Stefano Paraboschi, Università degli Studi di Bergamo, Italy
Gerardo Pelosi, Università degli Studi di Bergamo, Italy
Maria S. Perez-Hernandez, Universidad Politecnica de Madrid, Spain
Raphael C.-W. Phan, Loughborough University, UK
Alexander Pretschner, TU Kaiserslautern and Fraunhofer IIESE, Germany
Wenyu Qu, Dalian Maritime University, China
Guangzhi Qu, Oakland University, USA
Indrakshi Ray, Colorado State University, USA
Yonglin Ren, University of Ottawa, Canada
Kui Ren, Illinois Institute of Technology, USA
Alfonso Rodriguez, University of Bio-Bio, Chile
Rodrigo Roman, University of Malaga, Spain
Giovanni Russello, Create-Net, UK
Damien Sauveron, University of Limoges, France
Nitesh Saxena, Polytechnic Institute of New York University, USA
Jean-Marc Seigneur, University of Geneva, Switzerland
Zhijie Shi, University of Connecticut, USA
Richard O. Sinnott, University of Glasgow, UK
Nicolas Sklavos, Technological Educational Institute of Patras, Greece
Jon A. Solworth, University of Illinois at Chicago, USA
Haoyu Song, Bell Labs, USA
Roy Sterritt, University of Ulster at Jordanstown, UK
Kyoungwon Suh, Illinois State University, USA
Willy Susilo, University of Wollongong, Australia
Udaya Tupakula, Macquarie University, Australia
Venkat N. Venkatakrishnan, University of Illinois Chicago, USA
Hua Wang, University of Southern Queensland, Australia
Guojun Wang, Central South University, China
Huaxiong Wang, Nanyang Technological University, Singapore