

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
Washington • Tokyo



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2010 Fourth International Conference on Network and System Security

NSS 2010

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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*

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September 2010

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