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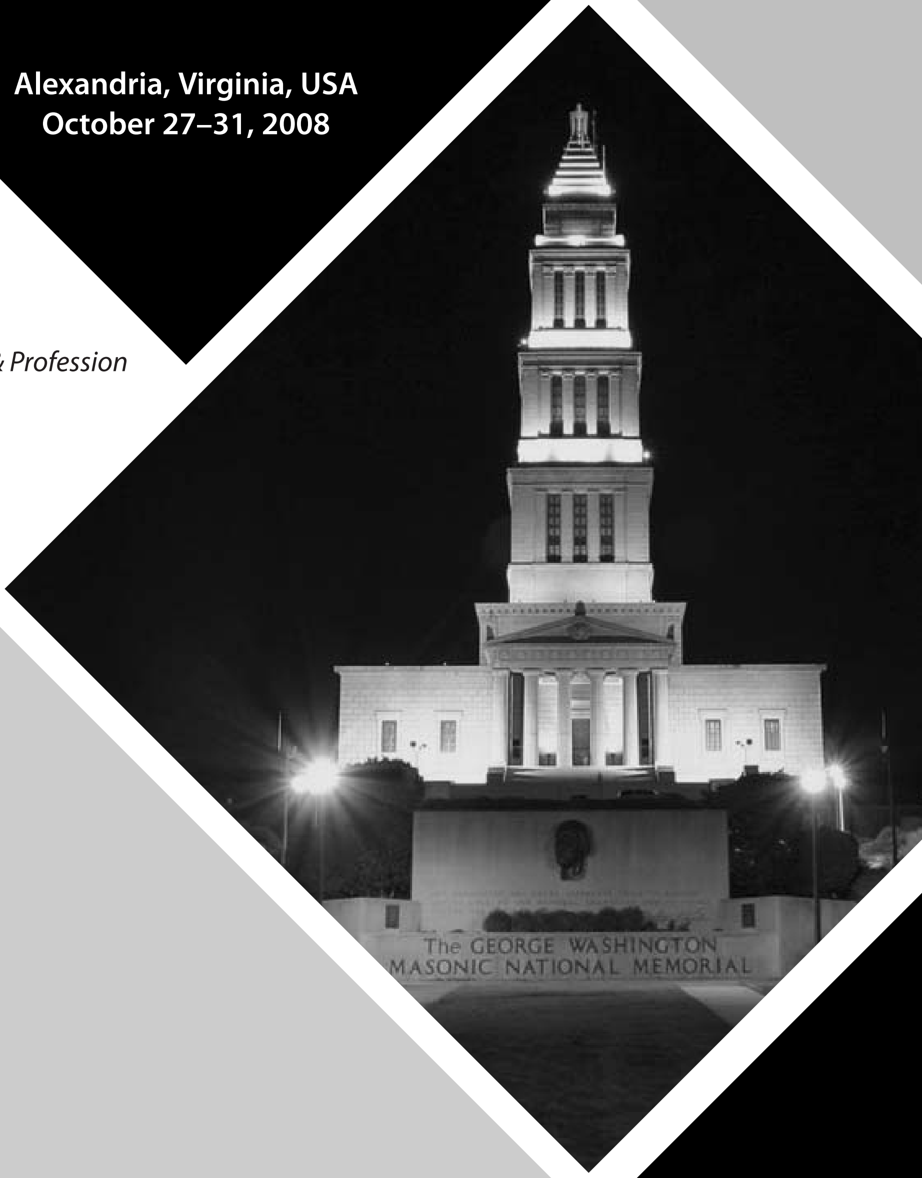

CCS'08

Proceedings of the 15th ACM Conference on Computer and Communications Security

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Edited by:

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Welcome to CCS 2008

It is a pleasure and honor to welcome you to the 15th ACM Conference on Computer and Communications Security. This year's conference continues and extends its tradition as a premier forum for new data-security research. We have an excellent program comprising two research tracks, twelve workshops, and a number of tutorials. The conference covers a strikingly broad spectrum of interests and disciplines in the area of computer and communications security.

The conference has benefited from many contributors to its success. I would like to thank the program co-chairs, Paul Syverson and Somesh Jha, along with the members of their program committee. The research program remains very highly selective, as evidenced by the caliber of the papers even more than acceptance statistics.

I would like to extend my appreciation to Vijay Atluri, the workshops chair, for assembling a broad, strong program of workshops and ensuring their smooth execution. I would also like to thank all the workshop program-chairs, specifically: Dirk Balfanz and Jessica Staddon (Workshop on AISec); Trent Jaeger (Workshop on Computer Security Architecture); Elisa Bertino and Kenji Takahashi (Workshop on Digital Identity Management); Gregory Heileman and Marc Joye (Workshop on Digital Rights Management); Vitaly Shmatikov (Workshop on Formal Methods in Security Engineering); Bill Yurcik (Workshop on Network Data Anonymization); Marianne Winslett (Workshop on Privacy in the Electronic Society); Andy Ozment and Ketil Stølen (Workshop on Quality of Protection); Yongdae Kim (Workshop on Storage Security and Survivability); Jean-Pierre Seifert and Cristina Nita-Rotaru (Workshop on Scalable Trusted Computing); Ernesto Damiani and Seth Proctor (Workshop on Secure Web Services); and Jason Nieh and Angelos Stavrous (Workshop on Virtual Machine Security). I would also like to express my thanks to Pierangela Samarati for a strong program of tutorials.

I am grateful to Martín Abadi for delivering the keynote address. My thanks as well to those who have offered their untiring administrative support, namely to Sencun Zhu for managing the budget, Ting Yu for maintaining the conference website and attending to my numerous requests, Xiaolan Zhang for assisting with the preparation of the proceedings, and Radha Poovendran for the publicity of the conference. I wish to express my appreciation to the rest of the CCS steering committee, Carl Gunter (Chair), Pierangela Samarati, Paul Syverson, Gene Tsudik, and Moti Young for their help. I would also like to acknowledge the administrative staff of the ACM SIGSAC and George Mason University for their support, and Executive Events for its management of the registration process. In particular, I would not have survived as the general chair without the excellent work of Karen Tai at George Mason University, who handled almost all of the logistical tasks. Finally, I wish to thank the following institutions for their generous financial contribution: The Army Research Office, Dartmouth Institute for Security Technology Studies, Google, IBM Research, Microsoft Research, and Motorola.

I hope that you, the conference and workshop attendees, will find this year's programs stimulating and beneficial for your research. Welcome—and enjoy.

Peng Ning
General Chair
ACM CCS 2008

Message from the Program Chairs

These proceedings contain the papers selected for presentation at the 15th ACM Conference on Computer and Communications Security (CCS 2008), held October 27 to October 31, 2008 in Alexandria, VA, USA.

In response to the call for papers 280 papers were submitted to the conference. These papers were evaluated on the basis of their significance, novelty, and technical quality. Each paper was reviewed by at least four members of the program committee. Reviewing was double-blind, meaning that the program committee was not able to see the names and affiliations of the authors, and the authors were not told which committee members reviewed which papers. After the reviews were written, the program committee met online for three weeks of intensive discussion. Of the papers submitted, 51 were selected for presentation at the conference, yielding in an acceptance rate of about 18%.

There is a long list of people who volunteered their time and energy to put together the conference and who deserve acknowledgment. Thanks to all the members of the program committee, and the external reviewers, for all their hard work in evaluating and discussing papers. We are also very grateful to all other CCS 2008 organizers and the members of the CCS Steering Committee, whose work ensured a smooth organizational process.

Last, but certainly not least, our thanks go to all the authors who submitted papers and all the attendees. We hope you find the program stimulating.

Paul Syverson
CCS 2008 Program Chair

Somesh Jha
CCS 2008 Program Chair

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