

# Foreword

It is our great pleasure to welcome you to the inaugural edition of the *ACM Conference on Data and Application Security and Privacy (CODASPY 2011)*. This conference series has been founded to foster novel and exciting research topics in this arena and to develop directions for further research and development. The initial concept came up in a conversation between the two co-founders when both happened to be at the same meeting. This was followed by discussions with a number of fellow cyber security researchers. Their enthusiastic encouragement persuaded us to move ahead with the always daunting task of creating a high-quality conference.

Data and the applications that manipulate data are crucial assets in today's information age. With the increasing drive towards availability of data and services anytime anywhere, security and privacy risks have increased. Vast amounts of privacy-sensitive data are being collected today by organizations for a variety of reasons. Unauthorized disclosure, modification, usage or denial of access to these data and corresponding services may result in high human and financial costs. New applications such as social networking and social computing provide value by aggregating input from numerous individual users and the mobile devices they carry with them and computing new information of benefit to society and individuals. To achieve efficiency and effectiveness in traditional domains such as healthcare there is a drive to make these records electronic and highly available. The need for organizations and government agencies to share information effectively is underscored by rapid innovations in the business world that require close collaboration across traditional boundaries and the dramatic failure of old-style approaches to information protection in government agencies in keeping information too secret to connect the dots. Security and privacy in these and other arenas can be meaningfully achieved only in context of the application domain. Data and applications security and privacy has rapidly expanded as a research field with many important challenges to be addressed.

In response to the call for papers of CODASPY 2011 a total of 69 papers were submitted from Asia, Australia, Europe and North America. The program committee selected 21 papers that cover a variety of topics, including security and privacy of social networks, novel privacy techniques and applications, secure data outsourcing, secure provenance, insider threats and data leakage. The program is complemented by three applications and industry papers focusing on insights and experience from real-world applications. We are also very fortunate to have as part of the program three outstanding keynote speeches by Moti Yung, N. Asokan, and John Dickson. In addition, as a special feature, the program includes an inaugural keynote by the General Chair and Co-Founder of CODASPY. Finally, the program includes a panel, chaired by X. Sean Wang, on a "Research Agenda for Data and Application Security."

The organization of a conference like CODASPY requires the collaboration of many individuals. First of all, we would like to thank the authors for submitting to the conference, the keynote speakers for graciously accepting our invitation, and the panel chair and the panelists for contributing to the program. We express our gratitude to the program committee members and external reviewers for their efforts in reviewing the papers, engaging in active online discussion during the selection process and providing valuable feedback to authors. Our special thanks go to our local arrangement chair Jeffrey Reich and to our Web master Ram Krishnan. Special thanks also go to Gail-Joon Ahn for publicizing the conference. Finally, we would like to thank our sponsor, ACM SIGSAC, for their support of this conference.

We hope that you will find this program interesting and that the conference will provide you with a valuable opportunity to interact with other researchers and practitioners from institutions around the world. Enjoy!!

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