

Preface

The present volume contains the proceedings of the Second International Workshop on Graphical Models for Security (GraMSec 2015). The workshop was held in Verona, Italy, on July 13, 2015, in conjunction with the 28th IEEE Computer Security Foundations Symposium (CSF 2015).

Graphical security models provide an intuitive but systematic methodology to analyze security weaknesses of systems and to evaluate potential protection measures. Formal methods and computer security researchers, as well as security professionals from industry and government, have proposed various graphical security modeling schemes. Such models are used to capture different security facets (digital, physical, and social) and address a range of challenges including security assessment, risk analysis, automated defensings, secure services composition, policy validation, and verification.

The objective of the International Workshop on Graphical Models for Security is to contribute to the development of well-founded graphical security models, efficient algorithms for their analysis, as well as methodologies for their practical usage. The workshop brings together academic researchers and industry practitioners designing and employing visual models for security in order to provide a platform for discussion, knowledge exchange, and collaborations.

The second edition of the GraMSec workshop received 13 submissions and each of them was reviewed by at least four reviewers. Based on their quality and contribution to the field, six papers, among which one short tool paper, were accepted for presentation at the workshop and inclusion in the final proceedings of GraMSec 2015. In addition to the accepted papers, we invited Christian Probst, Jan Willemson, and Wolter Pieters from the TRESsPASS consortium to describe the Attack Navigator, a graphical approach to security risk assessment inspired by navigation systems. The workshop's program was complemented by an invited lecture by Marc Bouissou on "Dynamic Graphical Models for Security and Safety Joint Modeling."

We would like to thank all the people who volunteered their time and energy to make this year's workshop happen. In particular, we thank the authors for submitting their manuscripts to the workshop and all the attendees for contributing to the workshop discussions. We are also grateful to the members of the Program Committee and the external reviewers for their work in reviewing and discussing the submissions, and their commitment to meeting the strict deadlines. Further, we would like to thank Ravi Jhawar (publicity chair), Piotr Kordy (web chair), and Luca Viganò (General Chair of CSF 2015) for their support in organizing our workshop.

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