

Preface

ICITS 2016, the 9th International Conference on Information-Theoretic Security, was held in Tacoma, Washington, USA, during August 9–12, 2016. The conference took place on the campus of the University of Washington, Tacoma. The general and program co-chairs were Paulo Barreto (UW Tacoma and University of Sao Paulo) and Anderson C.A. Nascimento (UW Tacoma).

ICITS covers all aspects of information-theoretic security, from relevant mathematical tools to theoretical modeling to implementation. ICITS 2016 was an event in cooperation with The International Association for Cryptologic Research (IACR).

ICITS 2016 had two tracks, a conference and a workshop track. Conference-track articles appear in the proceedings, whereas workshop-track contributions were only presented on-site with a talk. This two-track format has the advantage of bringing together researchers from various areas with different publication cultures.

There were 40 submitted papers, 32 to the conference track and eight to the workshop track. In all, 14 submissions were accepted for the conference track and six for the workshop track. All submissions were reviewed by at least three members of the Program Committee, who sometimes were assisted by external reviewers. These proceedings contain the accepted papers for the conference track.

There were four invited talks:

- “Obfuscation Without the Vulnerabilities of Multilinear Maps,” Sanjam Garg (UC Berkeley)
- “Tools for Quantum and Reversible Circuit Compilation and Applications to Quantum Cryptanalysis,” Martin Roetteler (Microsoft Research)
- “Information Theoretic Techniques Underlying Secure Obfuscation,” Amit Sahai (UCLA)
- “New Techniques for Information-Theoretic Indistinguishability,” Stefano Tessaro (UC Santa Barbara)

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Finally, we would like to thank all the authors who submitted papers to ICITS 2016.

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