

1st Conference on Information-Theoretic Cryptography

ITC 2020, June 17–19, 2020, Boston, MA, USA

Edited by

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LIPICS

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■ Preface

The first Conference on Information-Theoretic Cryptography (ITC 2020) was originally planned to take place at Boston University, Boston, MA USA on June 17-19, 2020. However, due to the COVID-19 pandemic, the conference is being held entirely virtually. The general chairs are Yael Tauman Kalai and Adam D. Smith, and the program chair is Daniel Wichs. The conference is held in cooperation with the IACR.

The conference received 39 submissions, of which the Program Committee (PC) accepted 16. Since this was the first iteration of the conference, we felt the need to set a very high bar for quality to cement its standing as a top venue in the field. Each submission was reviewed by at least three PC members, often more. The 19 PC members, were helped by many additional external reviewers. The proceedings consist of the revised version of the 16 accepted papers. The revisions were not reviewed, and the authors bear full responsibility for the content.

We used Shai Halevi's excellent web-review software, and are extremely indebted to him for having written it, for setting it up for us, and for patiently providing much technical help whenever we had any questions. In addition to asking reviewers for an overall score, we asked reviewers to also give numeric scores for "Importance of End Results", "Conceptual Novelty", and "Technical Novelty". Although we did not rely on these scores in the final decision making process, we felt that they helped frame the discussion and clarified what aspects reviewers liked and disliked about the paper.

In addition to the accepted papers, the conference includes six invited talks. These were selected by the PC and represent the "greatest hits" results in the area of information theoretic cryptography from the last few years.

We would like to thank the many people who made ITC a success. First of all, a big thanks to all the authors who submitted papers to the conference. There were many excellent submissions, and in our goal to keep the quality high, it is all but certain that we rejected some papers whose importance we failed to grasp. We would like to thank all the PC members for their efforts in providing detailed reviews, verifying correctness, and discussing the merits and limitations in depth. We are also thankful to the external reviewers for providing valuable expert opinions. We are grateful to the ITC Steering Committee, and especially Benny Applebaum, for guidance and advice. And last, but not least, we thank all the invited speakers, presenting authors, and participants for committing their time to making the virtual conference a success, despite all the difficulties of the ongoing COVID-19 pandemic.



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