

## Algorithmic Learning Theory: Preface

**Steve Hanneke**

*Princeton, NJ*

STEVE.HANNEKE@GMAIL.COM

**Lev Reyzin**

*Department of Mathematics, Statistics, & Computer Science, University of Illinois at Chicago*

LREYZIN@MATH.UIC.EDU

These proceedings contain the papers accepted for presentation at the 28th International Conference on Algorithmic Learning Theory (ALT), held at the University of Kyoto in Kyoto, Japan October 15–17, 2017. The 33 papers accepted were selected by the program committee from 74 reviewed submissions. Each paper was allotted 20 minutes for presentation.

In addition to these presentations, the conference program included invited talks by Adam Kalai and Alexander Rakhlin, as well as an invited talk by Masashi Sugiyama that was joint with the co-located 20th International Conference on Discovery Science (DS). Koji Tsuda was also a DS invited speaker. All four speakers addressed both conferences in plenary sessions.

Tyler Dohrn received this year’s E. M. Gold Award, which is awarded at each ALT to a student author of an excellent paper. His paper, “The Power of Random Counterexamples,” was joint with Dana Angluin.

The general chair for ALT and DS was Akihiro Yamamoto, and the local arrangements chairs were Matthew de Brecht and Yasuaki Kobayashi – we thank them for their efforts in organizing the conference. We are grateful to Sandra Zilles, the chair of the ALT steering committee, for her guidance. And we appreciate Frank Stephan’s work on maintaining the ALT website.

This year’s edition of the conference saw a significant increase in the number of submissions from recent years, and we thank the program committee and the external reviewers for taking on this load and for their hard work in thoroughly reviewing the submissions. We also appreciate the paper authors for their excellent submissions and hope they continue publishing in future editions of ALT.

We also thank the CREST program of the Japan Science and Technology Agency (JST) for sponsoring this conference.

Steve Hanneke and Lev Reyzin

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