Algorithmic Learning Theory 2023: Preface

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These proceedings contain the 48 papers accepted for presentation at the 34th International Conference on Algorithmic Learning Theory (ALT 2023), held on February 20 – February 23, 2023, in Singapore. These papers were selected by the program committee, with the help of additional expert reviewers, out of 133 submissions.

ALT 2023 implemented a two-tiered dual-role reviewing system that reduced the overall reviewing burden on the community while also maintaining the overall high quality of the review process. In this structure, senior program committee members served as two roles: directly writing reviews for some papers, while acting as meta-reviewers on others. Each paper was reviewed by at least one senior program committee member as well as 2-3 regular members of the committee. All together, 45 senior members and 55 regular members served on the ALT 2023 program committee. Each accepted paper was presented in a 20-minute talk slot that included 5 minutes of Q&A.

Besides the presentations of the accepted papers, the conference featured keynote presentations by Nika Haghtalab, Taiji Suzuki, Matus Telgarsky, and Vladimir Vovk.

Niki Hasrati and Shai Ben-David received the Best Paper Award for their work titled "On Computable Online Learning". The Best Student Paper award was given to Sinho Chewi, Sebastien Bubeck, and Adil Salim, for their work titled "On the Complexity of Finding Stationary Points of Smooth Functions in One Dimension".

We wish to thank our local organization chairs Arnab Bhattacharyya, Jonathan Scarlett, and Kian Hsiang (Bryan) Low, our sponsorship chairs Lev Reyzin and Gergely Neu, and our publication chair Chicheng Zhang for their dedicated work that helped make the conference a success. We also thank all the members of the ALT steering committee for their guidance and support throughout the entire process. We would like to express our gratitude to the entire program committee for their hard work during the review process. Finally, we would like to thank our generous sponsors: AMII (Platinum sponsor), Google (Platinum sponsor), G-Research (Silver sponsor), and The Voleon Group (Silver sponsor).

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