International Workshop on Sustainable Transition with AI (STAI 2024)

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1. Preface

This article describes the front matter of the first International Workshop on Sustainable Transition with AI (STAI 2024) collocated with the 33rd International Joint Conference on Artificial Intelligence (IJCAI 2024). The workshop was held in Jeju, Republic of Korea on August 5th, 2024.

STAI is a full-day event that explores the theory and application of artificial intelligence (AI) to advance global and local sustainability initiatives. STAI spotlights the variety of AI topics including natural language processing (NLP), computer vision (CV), agents, data science, and machine learning (ML) in scrutinizing and enhancing sustainability communications. Beyond traditional applications of AI, we focus on a broader spectrum of implications on how businesses, especially smaller entities, can navigate the challenges of sustainability with the aid of AI. STAI attracts AI researchers, data scientists, social scientists, companies of all sizes, and global and local policy makers.

We invited submissions especially related to three prongs of the theme: (i) robust data governance (ii) corporate sustainability communications, and (iii) capacity building for small and medium-sized enterprises. We encouraged authors to submit their papers to the either of the regular track or the non-archival track. Papers submitted to the regular track are sufficiently original. The authors had an option to submit a full paper or extended abstract. Papers submitted to the non-archival track are not published in the workshop proceedings. All of the papers were peer-reviewed by the program committee in a double-blind review process. We used OpenReview as a platform of reviewing.

We received 22 submissions. Out of these, 10 papers were accepted. 6 papers were desk-rejected because they were either unrelated to the research topics of STAI or violated format regulations of the paper. After the workshop, for the authors of extended abstract papers of the regular track, we offered them to revise and extend the papers into short or full papers. We provided the authors with the second review stage to keep the scientific quality, however, we received only 2 submissions and the rest of the authors did not submit. In the second review stage, we peer-reviewd the papers in a single-blind process. Finally, 4 regular track papers including 2 papers accepted in the second stage review are included in this proceedings.

STAI also highlighted the invited talks and panel discussion. We had two invited talk speakers, Peter J. Morgan (Asian Development Bank Institute) and Markus Leippold (University of Zurich). This volume includes the abstract of the invited talk. The panel discussion welcomed Sang Hyup Kim (Presidential Commission on Carbon Neutrality and Green Growth) as a moderator, Markus Leippold, Peter J. Morgan, Christopher D. Manning, Soh Young In as the panelist.

Finally, we thank all the authors who submitted their paper, workshop attendees, and committee members. We hope STAI will encourage new collaborations and community buildings.

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