

Preface

This volume contains the papers that were to be presented at the 36th International Florida Artificial Intelligence Research Society Conference (FLAIRS-36), May 14-17, 2023, in Clearwater Beach, Florida, USA. The conference has a main general conference track with ten special tracks and one poster track. Ten accepted special tracks include various thematic areas in AI, such as Natural Language Processing, Neural Network and Machine Learning, Autonomous Robots and Agents, Uncertain Reasoning, Semantic Logics and Information Extraction, XAI, Security/Privacy and Ethical Issues, Healthcare, Games, and a new track on Urban Traffic Control and Mobility.

The call for papers attracted 184 paper submissions, including 56 to the general conference and 89 to the special tracks. The total number of authors for submitted papers was 238 authors representing 34 countries. All papers in the main and special tracks were reviewed by at least three reviewers and were coordinated by the program committees of the general conference and the special tracks that involved 217 reviewers. The accepted submissions include 70 full papers (21 from the general conference and 49 from the special tracks), 26 short papers which are to be presented in the conference sessions instead of poster presentations (8 from the general conference and 18 from the special tracks), and 37 poster papers.

Our General Conference invited three Keynote Speakers feature Professor Deborah L. McGuinness (Knowledge Graphs and the Evolving AI Landscape), Professor Christoph Benzmüller (Reasonable, Trusted AI through Symbolic Ethico-legal Control and Reflection?), and Professor Bonnie J. Dorr (AI and NLP Challenges, Solutions, and Gaps in the age of Chat GPT). One special track invited talk is delivered by Nopal Niraula (Boeing Research & Technology) in Applied NLP. This year we also accepted three tutorials covering topics on Neural Networks, Graph Neural Networks for Link Prediction, and Topological data analysis in NLP.

We would like to express our gratitude to the authors of all submitted papers and posters, and all the special track organizers, the program committee members, and their external reviewers. We also extend our thanks to the FLAIRS-36 Organization team, Eric Bell and Fazel Keshtkar (FLAIRS-36 co-Chairs), and Doug Talbert (the Special Track Coordinator), for their guidance and generous support with their knowledge and experience. We also thank Geoff Sutcliffe (President of FLAIRS - Florida Artificial International Research Society) for his leadership and the liaison to the FLAIRS Board, Florid Open Journal, and any necessary elements in preparation of this proceedings. Our appreciation also goes to Jade Sutcliffe and Chelsea T. Johnston for their special assistance with conference registration and conference proceedings publication with the Florida Open Journal (OJ), respectively.

We thank everyone who contributed to making FLAIRS-36 a great conference for sharing new knowledge and innovations. We hope you enjoyed it.

Michael Franklin and Soon Ae Chun
FLAIRS-36 Program Chairs