Preface

The iStar workshop series is dedicated to the discussion of concepts, methods, techniques, tools, and applications associated with i* (iStar) and related goal modelling frameworks and approaches (Tropos, GRL, among others). As in previous editions, the objective of the workshop is to provide a unique opportunity for researchers in the area to exchange ideas, compare notes, promote interactions, and forge new collaborations. Expected outcomes include the communication of early results and new ideas to fellow researchers for feedback, the identification of the current problems and promising future research directions and the fostering of awareness, collaboration, and interoperability in the area of tool development.

In line with the RE'23 conference theme "Redefining RE: Challenging RE Perceptions, Boundaries, and Topics", this edition of the iStar workshop series also seeks to explore how iStar may be best applied to diverse contexts including, but not limited to, cyber-physical systems (CPS) and Artificial Intelligence (AI). For example, how can iStar dependencies better model complex contexts such as CPS? Can iStar aid in better explaining the rationale and output of AI systems? How can continuously evolving environments such as Machine Learning Operations (MLOps) benefit from goal-oriented iStar modeling?

Following successful workshops in Trento/Italy (2002), London/United Kingdom (2005), Recife/Brazil (2008), Hammamet/Tunisia (2010), Valencia/Spain (2013), Ottawa/Canada (2015), Beijing/China (2016), Essen/Germany (2017), Tallinn/Estonia (2018), Salvador/Brazil (2019), Zürich/Switzerland (2020), and St. Johns (NL), Canada (2021), and Hyderabad/India (2022), this year, the Sixteenth International i* Workshop takes place in Hannover, Germany on September 3-4, 2023. This year, the workshop runs in conjunction with the 31st IEEE International Requirements Engineering Conference (RE 2023), benefiting from the common themes and interests shared by the two events.

We keep an informal workshop format to promote and maximize interaction. Aiming at an inclusive and discussion-oriented workshop, the main criterion for paper acceptance in iStar'23 is relevance and potential for stimulating discussion and possible collaborations among the participants. A 19-member program committee, consisting of scholars and practitioners with expertise and interest in the field, was involved in reviewing a total of 8 complete paper submissions. Each of the papers was reviewed by three program committee members and one meta-reviewer. Since the 8 submitted papers satisfied the paper acceptance criteria, they were accepted for presentation in the workshop. The revised version of the papers is included in the proceedings that follow. Each paper was given 25 minutes for presentation and discussion.

iStar'23 included a keynote by Prof. Emeritus Alistair Sutcliffe, from the University of Manchester, entitled "i* meets AI: New Roles in Requirements Modelling".

We would like to thank the authors for submitting their papers and all the members of the Program Committee and additional reviewers for providing their expertise and suggesting constructive advice to improve the quality of published papers. We want to thank the organizers of the RE 2023 conference and RE 2023 Workshop organizers for their support. Finally, we want to thank the iStar steering committee for their valuable support, ideas, and effort to bringing the iStar community together.

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