Call for Workshop Papers

The 17th International i* Workshop

https://sites.google.com/view/istar24/

Pittsburgh, Pennsylvania

28-31 October 2024

To be held in conjunction with the 43rd International Conference on Conceptual Modeling, ER 2024
http://er2024.org/

Workshop Description:

The iStar workshop series is dedicated to the discussion of concepts, methods, techniques, tools, and applications associated with i* (iStar) and related goal modeling frameworks and approaches (e.g., Tropos and 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.

The focus of the iStar workshop series is quite specific and provides an additional forum for the RE community to exchange the latest ideas and research on goal modeling. In line with the ER 2024 conference theme **"Conceptual Modeling, AI, and Beyond"**, this edition of the iStar workshop series seeks to explore on the one hand (i) the relevance of goal modeling in the implementation of AI-intensive systems, and on the other, the reverse, i.e., (ii) how data-driven AI can support, automate, and validate the goal modeling effort. For example, can goal modeling help us describe, analyze, and address key problems in AI safety and regulation? Can it be the basis of a requirements- and user-centered AI engineering discipline? What is the role of LLMs in producing and interacting with models of stakeholder goals? Do LLMs and other deep learning-based systems have an explicable intentional structure? Where does it come from, how can we extract it, and how can we relate it to the socio-technical context in which such systems are developed and deployed?

In addition, while iStar modeling is premised on a conception of social actors that are intentional, autonomous, rational, and strategic, there are many applications in today's extensively digitized world that engage with the human social environment in ever richer, increasingly human-like ways. Many software and information systems today leverage human emotions and values, learn from human behavior, and even challenge human identity [https://youtu.be/Bzah1v99gQQ?t=1160]. The workshop encourages contributions that further advance social modeling for RE in the face of today's complex social realities, building upon or challenging the state-of-the-art iStar (-family) of modeling.

Topics of interest include, but are not limited to:

- Adaptive requirements-driven systems
- AI for requirements modeling and analysis (AI4RE)
- Agent-oriented systems development
- Business intelligence and data analytics
- Business modeling
- Business process analysis and design, reengineering
- Business, service, and software ecosystems
- Enterprise, systems, and organizational architecture
- Evaluation, verification and validation
- Experience reports and case studies
- Evolution, adaptation, and system dynamics
- Formalizing or extending iStar 2.0
- i* modeling techniques and metamodels: i* modeling concepts, variations and extensions
- Knowledge management
- Law and regulatory compliance
- Mobile and cloud requirements engineering
- Model analysis and contextual reasoning
- Networking or integration with other modeling languages or techniques
- Novel applications of i*
- Ontological foundations
- Requirements engineering
- Requirements analysis for AI systems (RE4AI)
- Scalability and uncertainty in modeling
- Security requirements engineering, privacy, and trust
- Socio-technical systems
- Software engineering processes and organizations
- Strategy modeling and business model innovation
- The role of goal modeling in uncertainty analysis
- Tools, visualization, and interaction
- Variability and personalization

Important Dates

- **Paper Submission:** **August 23rd, 2024**
- **Author Notification:** **September 16th, 2024**
- **Camera Ready:** **October 4th, 2024**
- **Registration:** **TBD**
- **Workshop Day:** **October 28-31, 2024 (exact day(s) TBA)**

Workshop Organizers:

- Amal Ahmed Anda, Affiliation, Country
- Sotirios Liaskos, York University, Canada

- Elda Paja, Affiliation, Country

Submission Guidelines

We solicit one type of contribution: regular papers (**6 pages max**) in the **new CEUR-ART single column format**. We welcome technical papers, empirical evaluation and experience reports, position papers, and tool papers related to the i* framework, in English.

Submissions should provide an overview of the research objectives and describe contributions, including any related tools and evaluation experience. Contributions should outline ongoing and future work and provide key references. In particular, tool papers should include references to download information, documentation, and system features.

All submissions will be peer-reviewed and accepted works will be published in the **CEUR Workshop Proceedings Series**. Submit papers via EasyChair for ER 2024 to the "iStar 2024 Workshop Papers" Track.

All questions about submissions should be emailed to liaskos@yorku.ca and/or elpa@itu.dk.