XAIP @ ICAPS 2021

Guangzhou, June 7-12

The world of Explainable AI is rapidly expanding in scope from mundane classification tasks to more complex decision-making processes where automated algorithms play an outsized role. The International Workshop of Explainable AI Planning (XAIP) brings together the latest and best in the field of explainable planning and sequential decision-making. The workshop is collocated with ICAPS, the premier conference on automated planning and scheduling. ibm.biz/xaip2021

Call for Contributions.

This year, in addition to the core XAIP topics, we welcome submissions on user interfaces in XAIP, acknowledging the inseparable role of interfacing in explanations. We invite submissions of the following types relevant to the topics listed below.

Full technical papers making an original contribution; up to 9 pages including references.

Short technical papers making an original contribution; up to 5 pages including references.

Position papers proposing XAIP challenges, outlining XAIP ideas, debating issues relevant to XAIP; up to 5 pages including references.

- The submission portal is open! OpenReview
- Submission Deadline
  March 31 UTC-12
- Author Notification
  April 30 UTC-12
- Camera Ready Deadline
  TBD UTC-12
- ICAPS 2020 Workshops
  June 7 - 12

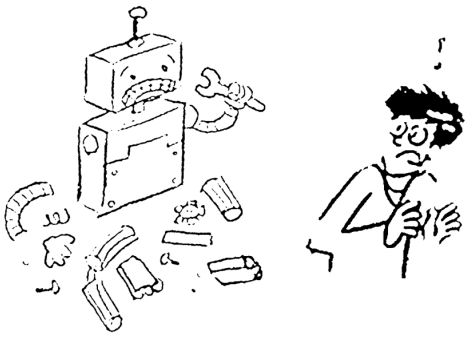
Authors who are considering submitting to the workshop papers rejected from the main conference, please ensure you do your utmost to address the comments given by ICAPS reviewers. Please do not submit papers that are already accepted for the main conference to the workshop.

Every submission will be reviewed by members of the program committee according to the usual criteria such as relevance to the workshop, the significance of the contribution, and technical quality. Authors can choose for themselves if they want their submissions to be single-blind or double-blind (recommended for NeurIPS and AAAI dual submissions) at the time of submission.

The workshop is meant to be an open and inclusive forum, and we encourage papers that report on work in progress or that do not fit the mold of a typical conference paper.

At least one author of each accepted paper must attend the workshop in order to present the paper. There will be no registration required.

Accepted papers will be compiled into post-workshop proceedings and posted on this page. Workshop proceedings are not archival and do not require the transfer of copyright.



Core XAIP

- Representation, organization, and memory content used in explanation
- The creation of such content during plan generation or understanding
- Generation and evaluation of explanations
- Contrastive explanations
- The way in which explanations are communicated and personalized to humans (e.g., plan summaries, answers to questions)
- The role of knowledge and learning in explainable planners
- Human vs AI models in explanations
- Links between explainable planning and other disciplines (e.g., social science, argumentation)
- Use cases and applications of explainable planning

The UX of XAIP

- User interfaces for explainable automated planning and scheduling
  - Plan and schedule visualization
  - Mixed initiative planning and scheduling
  - Emerging technology for human-planner interaction
  - Metrics for human readability or comprehensibility of plans and schedules
- Explainable automated planning and scheduling for user interfaces
  - Representing and solving planning domains for user interface creation and design tasks
  - Plan, activity, and intent recognition of users' interactions with interfaces
  - Developing user (mental) models with description languages and decision processes