

Call for Papers

Special Issue on Argument Strength

Argument & Computation

Guest editors: Matthias Thimm, Tjitze Rienstra, Kenneth Skiba, Gabriele Kern-Isberner, Jesse Heyninck, Christoph Beierle

Arguments vary in strength. The strength of an argument is affected by e.g. the plausibility of its premises, the nature of the link between its premises and conclusion, and the prior acceptability of the conclusion. The aim of the workshop series "ArgStrength" is to bring together experts from the fields of artificial intelligence, philosophy, logic, and argumentation theory to discuss questions related to the strength of arguments. Such questions include:

- Which factors influence the strength of an argument?
- What are the pros and cons of different formal representations of argument strength?
- How to formally model qualifiers on the conclusions of arguments?
- How does argument strength propagate when inferences are chained?
- How do arguments accrue?
- Can weaker arguments defeat and/or defend stronger arguments?
- When do more specific arguments defeat more general arguments and vice versa?
- How do formal and informal approaches to argument strength relate?
- How do preferences assigned to premises influence the evaluation of arguments?

The special issue "Argument Strength" is a follow-up to the Third Workshop on Argument Strength¹ (ArgStrength'21) that took place virtually on October 11–13, 2021. It aims at surveying and advancing the current state of the art on argument strength and welcomes both extended versions of presentations from the workshop as well as new contributions.

The special issue will be published through Argument & Computation². We welcome technical contributions of any form addressing the above topics of interest. Submissions must be in English, but there is no page limit on papers nor any limit on the number of papers in the issue. Submissions will be rigorously peer-reviewed following the standards of Argument & Computation.

¹<http://argstrength2021.argumentationcompetition.org>

²<https://content.iiospress.com/journals/argument-and-computation/>

Important dates (subject to possible change)

- June 30, 2022: submission of papers
- September 30, 2022: reviewer feedback
- November 30, 2022: submission of revised papers
- January 31, 2022: final notification
- February 28, 2023: submission of final version
- Summer 2023: publication of special issue

Submission instructions

Submissions are handled through the editorial manager of *Argument & Computation*³. Note that you must select the section "Special Issue: Argument Strength" during registration of the submission, in order to ensure that your submission will be forwarded correctly. There is no strict page limit on the submissions, but please adhere to the general author guidelines for submissions to *Argument & Computation*⁴.

Contact

Any inquiries on the special should be addressed to Matthias Thimm⁵.

³<https://www.editorialmanager.com/aandc/>

⁴<https://www.iospress.com/catalog/journals/argument-computation>

⁵matthias.thimm@fernuni-hagen.de