

CfP Special Issue of APAL on “Combining Probability and Logic”

We invite submissions for a Special Issue on “Combining Probability and Logic”, to be published with *Annals of Pure and Applied Logic* (<https://www.journals.elsevier.com/annals-of-pure-and-applied-logic/call-for-papers/special-issue-on-combining-probability-and-logic>).

Classically, logic and probability offer competing representations of partial or incomplete information, with the former assuming a qualitative perspective on uncertainty and the latter focusing on a quantitative account. Both provide their own policies for updating on new information, combining evidence from different sources, and acting under partial information.

We solicit submissions of original papers that bridge these two perspectives. These could, for instance, connect representations of inductive reasoning in either setting, but they may also apply to specific sub-areas, such as game theory, network theory, causal modelling, machine learning, or maximum entropy reasoning. Likewise, the Special Issue is interested in articles that apply probabilistic tools to the study of logical systems or that use logical frameworks, classical or substructural, for understanding probabilistic approaches.

The Special Issue is related to the topics of the conference *Prolog 2021: The Tenth Workshop on Combining Probability and Logic* (https://www.fatih.philosophie.uni-muenchen.de/events/defence_inductive_logic/index.html). Workshop participants, as well as other authors are invited to submit contributions.

In line with the policy of *Annals of Pure and Applied Logic*, submissions are expected to be of high quality and contain relevant new logical results that are of significant interest to a substantial number of logicians. To assess fit with the journal’s scope, authors are required to submit a suitable abstract prior to submission of the full manuscript. The Guest Editors will then, within three weeks, reach an assessment as to whether the contribution fits the journal’s scope or how such fit can be ensured. In case of doubt, whether a prospective submission fits the intended scope, we invite authors to contact the Guest Editors well in advance of the deadline.

All submissions will be refereed according to the standards of *Annals of Pure and Applied Logic*. Please ensure that you read the Guide for Authors before writing your manuscript (<https://www.elsevier.com/journals/annals-of-pure-and-applied-logic/0168-0072/guide-for-authors>).

Submissions can be made through <https://www.editorialmanager.com/apal/default.aspx>. When submitting your contribution, please choose “SI: PROLOG21” from the “Article Type Name” dropdown menu.

The deadline for submitting **abstracts** is **September 30, 2021**.

The deadline for submitting **full manuscripts** is **December 31, 2021**.

For more information, please contact the Guest Editors:

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