

Announcing a New Journal from Elsevier

Journal of Applied Logic

Backed by the *International Federation of Computational Logic*



Aims and Scope

The past twenty-five years have witnessed tremendous progress in the nature and scope of logic and its applications. Responding to the needs of computer science, AI including probabilistic, fuzzy and common sense reasoning, philosophy, computational linguistics, cognitive science, legal reasoning and the foundations as well as automation of mathematics, has passed into a new stage of its evolution.

Many of these diverse communities exist now with their own conference proceedings and journals, without serious intercommunication and co-operation. Yet, similar methods and underlying connections exist between all these seemingly diverse areas.

Logic has reached a stage where it is no longer a branch in one or the other discipline, but it is a discipline in itself, like mathematics, physics, philosophy, computer science or chemistry. It is therefore time to have an applied logic journal which can serve as a home for logic, in the same spirit that other journals serve their discipline.

The **Journal of Applied Logic** is structured by logic sub-areas with independent editorial boards and three managing editors who are responsible for the overall running of the journal. The editors keep close contact with the various application areas, with *The International Federation of Computational Logic*, and with the book series *Studies in Logic and Practical Reasoning*.

Researchers are Invited to Submit Papers

Researchers are invited to submit papers in the areas of logic which can be applied in other disciplines as well as application papers in those disciplines, the unifying theme being logics arising from modelling the human agent. For a list of scientific areas covered see the Editorial Board. Papers may be submitted directly to the Editorial Office below.

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Authors should consult the 'Guide for Authors' which can be found at **AuthorGateway** <http://authors.elsevier.com/journal/jal> for information about preparation of their manuscripts.

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Logic for Knowledge Representation and the Semantic Web

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Mathematical Logic

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Proof Theory

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Algebraic Methods in Logic

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Applied non-classical Logic

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Logic Applied to Mathematics

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Logic and Neural Nets

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Type Theory for Interactive Systems

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C. Schuermann, Harvard, USA

Logic and Learning

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S. Muggleton, Imperial College, UK

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Computational Models of Scientific Reasoning

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