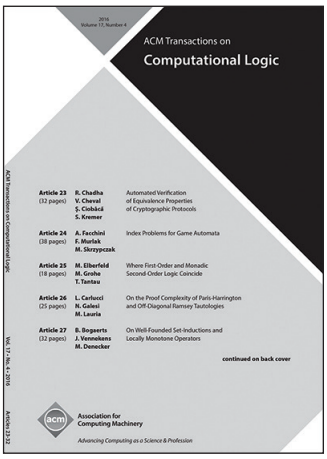
CALL FOR PAPERS

ACM Transactions on Computational Logic

For Logic in Computer Science

Information For Contributors



ACM Transactions on Computational Logic (TOCL) welcomes submissions related to all aspects of logic as it pertains to topics in computer science. Logic plays an important role in computer science and has permeated several of its areas, including artificial intelligence, computational complexity, database systems, verification, and programming languages.

TOCL has become the standard reference in the field, publishing high-quality submissions in all areas of computational logic. Both theoretical and applied papers are welcome for submission, as well as submissions showing novel use of logic in computer science.

Among the topics within the scope of TOCL are the following:

- automata theory
- automated deduction
- categorical models and logics
- concurrency and distributed computation
- constraint programming
- constructive mathematics
- database theory
- decision procedures
- description logics
- domain theory
- finite model theory
- formal aspects of program analysis
- formal methods
- foundations of computability
- games and logic
- higher-order logic
- lambda and combinatory calculi
- linear logic, logic in artificial intelligence
- logic programming
- logical aspects of bioinformatics
- logical aspects of computational complexity
- logical aspects of quantum computation
- logical frameworks
- logics of programs
- modal and temporal logics
- model checking
- probabilistic systems
- process calculi
- programming language semantics
- proof theory
- real-time systems
- reasoning about security and privacy
- rewriting
- type systems and type theory, and verification

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Frequency: Quarterly
ISSN: 1529-3785 **eISSN:** 1557-945X

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