DATE 2024: Design, Automation and Test in Europe Conference

25 – 27 March, 2024
Valencia, Spain

Featured journals: TOS, TQC, TOCL & JETC

ACM Transactions on Storage (TOS)

ACM Transactions on Storage (TOS) is the premier journal for publishing advancements in storage research and practice. The field of storage is one of the cornerstones for data availability. Storage is a broad and multidisciplinary area that comprises network protocols, resource management, data backup, replication, recovery, devices, security, theory of data coding, densities, and energy-efficiency. Designing and developing storage systems continues to be a challenge due to both software and hardware heterogeneity in enterprise environments and data centers. ACM TOS seeks to fill an important void as a peer-reviewed comprehensive journal focused on storage.
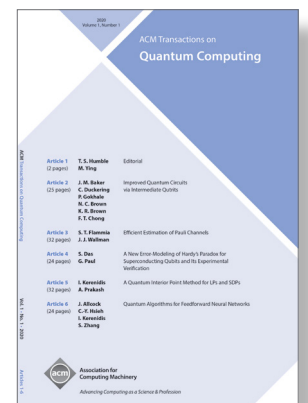
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ACM Transactions on Quantum Computing (TQC)

ACM Transactions on Quantum Computing (TQC) publishes high-impact, original research papers and selected surveys on topics in quantum computing and quantum information science. The journal focuses on the theory and practice of quantum computing including but not limited to: models of quantum computing, quantum algorithms and complexity, quantum computing architecture, principles and methods of fault-tolerant quantum computation, design automation for quantum computing, quantum programming languages and systems, distributed quantum computing, quantum networking, quantum security and privacy, and applications (e.g., in machine learning and AI) of quantum computing. The journal also welcomes manuscript submissions that address computational aspects of quantum computing in particular and appeal to the broader community of quantum information science.

https://tqc.acm.org

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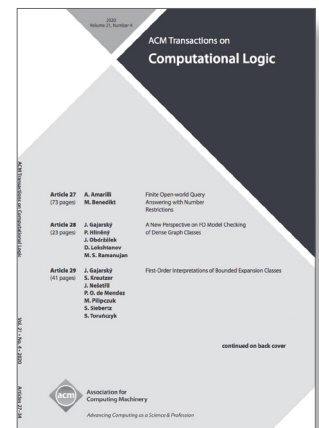# DATE 2024: Design, Automation and Test in Europe Conference

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ACM Transactions on Computational Logic (TOCL)

ACM Transactions on Computational Logic (TOCL) is devoted to research concerned with all uses of logic in computer science. Logic continues to play an important role in computer science and permeates many of its areas including artificial intelligence, computational complexity, database systems, and programming languages. The journal welcomes submissions related to all aspects of logic as it pertains to topics in computer science. 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, especially submissions showing novel use of logic in computer science.

https://tocl.acm.org

ACM Journal on Emerging Technologies in Computing Systems (JETC)

ACM Journal on Emerging Technologies in Computing Systems (JETC) invites submissions of original technical papers describing research and development in emerging technologies in computing systems. Major economic and technical challenges are expected to impede the continued scaling of semiconductor devices. This has resulted in the search for alternate mechanical, biological/biochemical, nanoscale electronic, asynchronous and quantum computing, and sensor technologies. As the underlying nanotechnologies continue to evolve in the labs of chemists, physicists, and biologists, it has become imperative for computer scientists and engineers to translate the potential of the basic building blocks (analogous to the transistor) emerging from these labs into information systems. JETC provides comprehensive coverage of innovative work in the specification, design analysis, simulation, verification, testing, and evaluation of computing systems constructed out of emerging technologies and advanced semiconductors. Also of interest are innovations in system design for green and sustainable computing, and computing-driven solutions to emerging areas in biotechnology.

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