

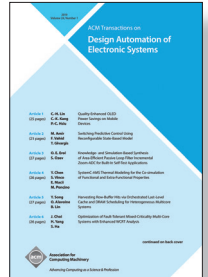
# ACM Journals on Design Methods for Smart and Connected Systems

Featured journals: TODAES, JETC, TECS, TCPS, TIOT & TOSN

## ACM Transactions on Design Automation of Electronic Systems (TODAES)

*ACM Transactions on Design Automation of Electronic Systems* is a premier ACM journal in design and automation of electronic systems. It publishes innovative work documenting significant research and development advances on the specification, design, analysis, simulation, testing, and evaluation of electronic systems, emphasizing a computer science/engineering orientation. Both theoretical analysis and practical solutions are welcome. Topics include, but are not limited to: Architecture- and System-Level Design and Automation; Circuit- and Logic-Level Design and Automation; Emerging Technology and Platform based Design and Automation; Machine Learning for Design Automation and Design Automation for Machine Learning; Physical Design and Design for Manufacturability; Reliability, Verification and Test; and Security for Electronic Systems.

<https://todaes.acm.org>



## ACM Journal on Emerging Technologies in Computing Systems (JETC)

The *ACM Journal of Emerging Technologies in Computing Systems* 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. The journal 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. Topics include: Logic Primitive Design and Synthesis; System-Level Specification, Design and Synthesis; Software-Level Specification, Design and Synthesis; Mixed-Technology Systems; and Interactions of Emerging Technologies and Applications.

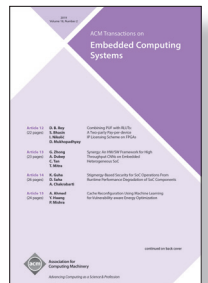
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## ACM Transactions on Embedded Computing Systems (TECS)

The design of embedded computing systems, both the software and hardware, increasingly relies on sophisticated algorithms, analytical models, and methodologies. *ACM Transactions on Embedded Computing Systems* aims to present leading works relating to the analysis, design, behavior, and experience with embedded computing systems. TECS welcomes original research articles, industry design papers, perspectives, tutorials, and surveys that help advance the field by addressing the key challenges.

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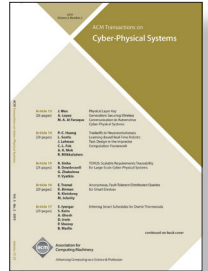
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## ACM Transactions on Cyber-Physical Systems (TCPS)

*ACM Transactions on Cyber-Physical Systems* publishes high-quality original research papers and survey papers that have scientific and technological understanding of the interactions of information processing, networking and physical processes. TCPS covers Computation Abstractions, System Modeling and Languages, System Compositionality and Integration, Design Automation and Tool Chains, Trustworthy System Designs, Resilient and Robust System Designs, and Human in the Loop. Application domains covered by TCPS include, but are not limited to: Healthcare, Transportation, Automotive, Avionics, Energy, Living Space, and Robotics.

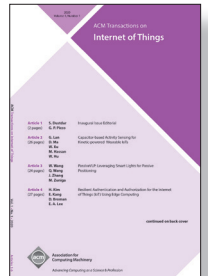
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## ACM Transactions on Internet of Things (TIOT)

*ACM Transactions on Internet of Things* is a new ACM journal that publishes novel research contributions and experience reports in several research domains whose synergy and interrelations enable the IoT vision. TIOT focuses on system designs, end-to-end architectures, and enabling technologies, and on publishing results and insights corroborated by a strong experimental component. All submissions are expected to provide experimental evidence of their effectiveness in realistic scenarios (e.g., based on field deployments or user studies), and the related datasets. The submission of purely theoretical or speculative papers is discouraged, and so is the use of simulation as the sole form of experimental validation. Experience reports about the use or adaptation of known systems and techniques in real-world applications are equally welcome.

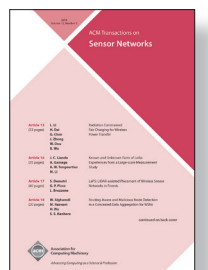
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## ACM Transactions on Sensor Networks (TOSN)

*ACM Transactions on Sensor Networks* serves as a central, archival venue for the interdisciplinary sensor network research community. It covers research contributions that introduce new concepts, techniques, analyses, or architectures, as well as applied contributions that report on development of new tools and systems or experiences and experiments with high-impact, innovative applications. The Transactions places special attention to contributions on systemic approaches to sensor networks.

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