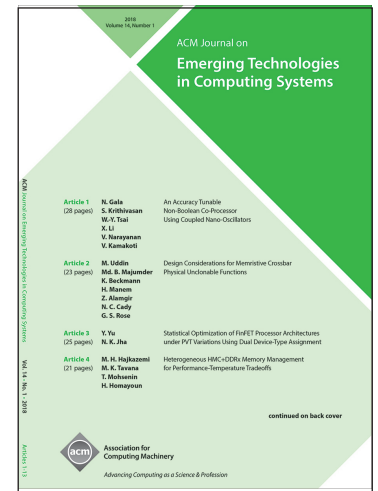


# ACM Journal on Emerging Technologies in Computing

## Editor-in-Chief

*ACM Journal on Emerging Technologies in Computing (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. Their design will face multiple challenges ranging from the inherent (un)reliability due to the self-assembly nature of the fabrication processes for nanotechnologies, from the complexity due to the sheer volume of nanodevices that will have to be integrated for complex functionality, and from the need to integrate these new nanotechnologies with silicon devices in the same system.



## Logic Primitive Design and Synthesis

## System-Level Specification, Design and Synthesis

## Software-Level Specification, Design and Synthesis

## Mixed-Technology Systems

## Interactions of Emerging Technologies and Applications



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