

IEEE TRANSACTIONS ON MOBILE COMPUTING

HIGHLIGHTING LEADING RESEARCH AND BREAKTHROUGH ACHIEVEMENTS IN MOBILE COMPUTING



IEEE Transactions on Mobile Computing (TMC) focuses on the key technical issues related to architectures, support services, algorithm/protocol design and analysis, mobile environments, mobile communication systems, applications, components, and more for mobile computing.

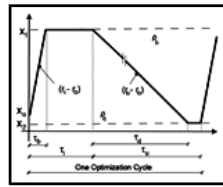
[SUBSCRIBE TO TMC](#)

[SUBMIT YOUR PAPER](#)

From the June 2010 Issue...

Threshold-Based Media Streaming Optimization for Heterogeneous Wireless Networks

By Ahmed H. Zahran and Cormac J. Sreenan



The integration of different wireless access technologies combined with the huge characteristic diversity of supported services in next-generation wireless systems creates a real heterogeneous network. In this paper, we propose a generic practical framework that optimizes media streaming in heterogeneous systems by taking advantage of cost and resource characteristic diversity of the integrated access technologies and the buffering capability of streaming applications. The proposed optimization framework represents a means to compromise the tradeoff between different performance metrics including streaming monetary cost, signaling load, and session quality.

[View the PDF of this article](#) [View this issue in the digital library](#)

Editorials and Announcements

- **Editorial**—State of the Transactions by Mani B. Srivastava (Jan 2010)
- **Editorial**—Introduction of New Associate Editors by Mani B. Srivastava (Dec 2008)

TMC is a joint publication of the:



TMC is published in cooperation with: IEEE Electromagnetic Compatibility Society, IEEE Engineering in Medicine Biology Society, IEEE Engineering Management Society, IEEE Instrumentation and Measurement Society, IEEE Power & Energy Society, IEEE Robotics and Automation Society, and IEEE Systems, Man and Cybernetics Society

TMC is indexed in ISI