

# *contents*

## **Capsule reviews**

**F. Kamareddine**

133

## **Editorial**

**F. Murtagh**

134

## ***Special Focus—Building Adaptivity into Computer Networks***

Editorial: Building Adaptivity into Computer Networks

**E. Gelenbe**

136

Controlling Multimedia QoS in the Future Home Network Using  
the PSQA Metric

**G. Rubino, M. Varela and J.-M. Bonnin**

137

Voting in Multi-Agent Systems

**J. Pitt, L. Kamara, M. Sergot and A. Artikis**

156

Design of a MANET Testbed Management System

**R. Lent**

171

Adaptive Routing Using Expert Advice

**A. György and G. Ottucsák**

180

A Hybrid Network Processor with Support for High-Speed Execution  
of CPN and Upper Layer IP Protocols

**T. Kocak**

190

## ***Computer Architectures***

Hardware Oriented Algorithms for Rendering Order-Independent  
Transparency

**M. Amor, M. Bóo, E. J. Padrón and D. Bartz**

201

Instruction Level Parallelism through Microthreading—A Scalable  
Approach to Chip Multiprocessors

**K. Bousias, N. Hasasneh and C. Jesshope**

211

## ***Programming Languages***

Using Control Dependencies for Space-Aware Bytecode Verification

**C. Bernardeschi, G. Lettieri, L. Martini and P. Masci**

234

## **Book reviews**

249

