A publication of ISCA*: International Society for Computers and Their Applications

INTERNATIONAL JOURNAL OF COMPUTERS AND THEIR APPLICATIONS

TABLE OF CONTENTS

| | Page |
|--|------|
| Editor's Note | 67 |
| Scalable Reconfigurable Architectures for High-Performance Energy-Efficient Multimedia Processing | 68 |
| Realizing Energy-Efficient MultiCore Processors by Utilizing Speculative Thread-Level Parallelism | 79 |
| Placement-Directed Behavioral Synthesis Scheme for Simultaneous Scheduling Binding and Partitioning with Resources Operating at Multiple Voltages Dongxin Wen, Ling Wang, Yingtao Jiang, Henry Selvaraj, and Xiaozhong Yang | 92 |
| Non-Inclusion Property in Multi-Level Caches Revisited | 99 |
| A Parallel Scheduler Based on Acyclic Stable Matching | 109 |
| Stub Code Optimization in CORBA-Based Distributed Embedded Applications G. Sudha Sadasivam and A. Chitra | 116 |

^{* &}quot;International Journal of Computers and Their Applications is abstracted and indexed in INSPEC."