

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

# INTERNATIONAL JOURNAL OF COMPUTERS AND THEIR APPLICATIONS

---

## TABLE OF CONTENTS

	Page
<b>Implementing Templated Design Patterns: A Category Theoretic Approach</b> .....	169
<i>Yujun Zheng, Qimin Hu, and Jinyun Hue</i>	
<b>A Randomized Queueless Algorithm for Breadth-First Search</b> .....	177
<i>K. Subramani and K. Madduri</i>	
<b>Handling Overload and Data-Relaxation Control in Distributed Real-Time Database Systems</b> .....	187
<i>Samia Bouzefrane, Jean-Paul Etienne, and Claude Kaiser</i>	
<b>A Decision Support Tool for Prioritizing the Construction of Short Roads Using an Expert System Approach</b> .....	201
<i>Hussam M. Ramadan and Yousry I. Taha</i>	
<b>Scalability in Analyzing the Availability of Large-Scale Networks using Multicast</b> .....	217
<i>Falko Dressler</i>	
<b>Statistical Source Modeling of Walkthrough Navigators</b> .....	225
<i>H. A. Hassan, S. A. F. Bassiouny, M. S. Abougabal, and W. M. Sheta</i>	

\* "International Journal of Computers and Their Applications is abstracted and indexed in INSPEC."

---

---