

Table of Contents

Workshop Innovative Internet Computing Systems

Multicast Protocols for Jinni Agents	1
<i>Satyam Tyagi, Paul Tarau, and Armin Mikler</i>	
Modern Software Engineering Methods for IP-QoS Resource Pool Management	19
<i>Gerald Eichler, Falk Fünfstück, Fabio Ricciato, Anne Thomas, Charilaos Tsetsekas, and Martin Winter</i>	
Adaptive Quality of Service Management Using QoS Proxy and User Feedback for Wireless Links	31
<i>Dang-Hai Hoang, Dietrich Reschke, and Werner Horn</i>	
Sharing Extendible Arrays in a Distributed Environment	41
<i>Tatsuo Tsuji, Hidetsu Kawahara, Teruhisa Hochin, and Ken Higuchi</i>	
Pini – A Jini-Like Plug&Play Technology for the KVM/CLDC	53
<i>Steffen Deter and Karsten Sohr</i>	
Discovering Internet Services: Integrating Intelligent Home Automation Systems to Plug and Play Networks	67
<i>Wolfgang Kastner and Markus Leupold</i>	
Reusing Single-User Applications to Create Multi-user Internet Applications	79
<i>Stephan Lukosch and Jörg Roth</i>	
Graph-Theoretic Web Algorithms: An Overview	91
<i>Narsingh Deo and Pankaj Gupta</i>	
Prefetching Tiled Internet Data Using a Neighbor Selection Markov Chain	103
<i>Yoo-Sung Kim, Ki-Chang Kim, and Soo Duk Kim</i>	
A General Adaptive Cache Coherency-Replacement Scheme for Distributed Systems	116
<i>Jose Aguilar and Ernst Leiss</i>	
Agents Based Collaborative Framework for B2C Business Model and Related Services	126
<i>V. Robin Rohit and D. Sampath</i>	

Agent-Based Distributed Computing with JMessengers 134
*Moritz Gmelin, Jochen Kreuzinger, Matthias Pfeffer,
and Theo Ungerer*

Agent-Based Wave Computation:
Towards Controlling the Resource Demand 146
Armin R. Mikler and Vivek S. Chokhani

A Design for JTrader, an Internet Trading Service..... 159
Marcelo d'Amorim and Carlos Ferraz

Computer-Supported Deliberations for Distributed Teams 167
Jacques Lonchamp and Fabrice Muller

Hardware Security Concept for Spontaneous Network Integration
of Mobile Devices 175
Igor Sedov, Marc Haase, Clemens Cap, and Dirk Timmermann

Author Index 183