Table of Contents

Consensus Report

Research Direction for Developing an Infrastructure for Mobile & Wireless Systems: Consensus Report of the NSF Workshop Held on October 15, 2001 in Scottsdale, Arizona	1
Keynote Presentation	
Recent Developments with Mobile IPv6	38
Invited Papers	
Ad Hoc Wireless Networks: Analysis, Protocols, Architecture, and Convergence	39
Supporting E-commerce in Wireless Networks	40
Modeling Moving Objects for Location Based Services	46
Accepted Papers	
Content-Based Networking: A New Communication Infrastructure	59
Flexible Integrated Cache for Efficient Information Access in Mobile Computing Environments	69

Design Considerations for Mobile Client-Server Database Applications 78 Wai Gen Yee, Shamkant B. Navathe (Georgia Institute of Technology)
Smart Environments: Middleware Building Blocks for Pervasive Network Computing (A Position Paper)
Agents, Mobility, and M-services: Creating the Next Generation Applications and Infrastructure on Mobile Ad-Hoc Networks
ANTARCTICA: A Multiagent System for Internet Data Services in a Wireless Computing Framework
A Collaborative Infrastructure for Mobile and Wireless Systems
The Rationale for Infrastructure Support for Adaptive and Context-aware Applications: A Position Paper
Mobile Wireless Interfaces: In Search for the Limits
Prospects of Secure Real-Time Video Transmission over CDPD Networks . 164 Farid Hatefi, Forouzan Golshani, Gamze Seckin (Arizona State University)
Middleware for Location Based Information Services in Mobile Environment
Author Index