Preface p. ix
Conference Committees p. xi
Keynote Speech Abstract

Session: Multimedia
SMS-Gener@tion, or the Emergence of Mobile Media People p. xiii

Session: Multimedia
Assessment of Quality of Speech Transmitted over IP Networks p. 1
Improving Video Server Scalability with Virtual Video File System Concept p. 15
A Network-Driven Architecture for the Multicast Delivery of Layered Video and a Comparative Study p. 29
Building Dynamic User Interfaces of Virtual Reality Applications with X-VRML p. 45

Session: Analysis and Modeling
Some Approaches to Solve a Web Replica Location Problem in MPLS Networks p. 61
An Exact Algorithm for Host Allocation, Capacity and Flow Assignment Problem in WAN p. 73

Session: Analysis and Modeling
A Diffusion Approximation Model of Web Servers p. 83
Interface Model in Adaptive Web-based System p. 93

Session: Quality of Service
SRAMT-S: A Hybrid Sender and Receiver-Based Adaptation Scheme for TCP Friendly Multicast Transmission Using Simulcast Approach p. 105
A New Method of Predictive-substitutional Data Compression p. 123
Priority Forcing Scheme: A New Strategy for Getting Better than Best Effort Service in IP-based Network p. 135

Session: Internet Societal Impact
Towards a New Societal Environment? Cultural Impact of the Internet Technology (invited paper) p. 151
E-commerce and the Media - Influences on Security Risk Perceptions p. 163
Measuring Internet Diffusion in Italy p. 175

Session: Mobility
Mobile Society, Technology, and Culture (invited paper) p. 187
imobile ME--A Lightweight Mobile Service Platform for Peer-to-Peer Mobile Computing (invited paper) p. 199
Wireless Access to the Internet p. 215
Implementation of Virtual Medical Devices in Internet and Wireless Cellular Networks p. 229

Session: Applications and Languages
Supporting Software Process Tracking Through the Internet (invited paper) p. 243
Cooperative Tools for Remote Learning p. 255
Query Formulation and Evaluation of XML Databases p. 273
Entish: A Simple Language for Web Service Description and Composition p. 289

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.