Preface
Organization Committee
Program Committee
Sponsors
Keynote Speeches
Real-Time Distributed Object Computing: Ready for Mission-Critical Embedded System Applications
A2A, B2B--Now We Need M2M (Middleware to Middleware) Technology
XML Web Services: What, Why, and How
Technical Program
Industrial Experience 1
Business Process Integration for Distributed Applications in Radiology
A Case Study in Testing Distributed Systems
Mobility
An Object-Oriented Organic Architecture for Next Generation Intelligent Reconfigurable Mobile Networks
Mobile RMI: Supporting Remote Access to Java Server Objects on Mobile Hosts
Mobile Corba
Monitoring and Management
How to Monitor and Control Resource Usage in Mobile Agent Systems
Distributed Access Knowledge-Based System: Reified Interaction Service for Trace and Control
TransWeb: A Framework for Development of Transparent Load-Balanced Web Applications
Metadata Services
Transparent Dissemination of Adapters in Jini
Managing CORBA Objects with Dynamic Behaviour in a Directory
Trading Media Gateways with CORBA Trader
Component Search Service and Deployment of Distributed Applications
Industrial Experience II
In Search of Commercial Off-the-Shelf, Hard Real-Time, Distributed Object Computing Middleware
Enterprise Architectures/Workflow
ODSI: Enterprise Service Coordination
From Functional to Architectural Analysis of a Middleware Supporting Interoperability across Heterogeneous Distribution Models
A Collaborative Word Processing Systems using a CORBA-Based Workflow Framework
Reflection / Re-Configuration
A Reflective Component-Based and Architecture Aware Framework to Manage Architecture Composition
Transparent Dynamic Reconfiguration for CORBA
CORBA Request Portable Interceptors: A Performance Analysis
Fault-Tolerance

Adaptation - Algorithms to ADAPTive FAuT MonltOriNg and Their Implementation on CORBA p. 219

Reliable Messaging Using the CORBA Notification Service p. 229

Lightweight Fault Tolerance in CORBA p. 239

Industrial Panel Applications

Distributed Object Programming Environment for Smart Card Application Development p. 251

A Distributed Object Computing Approach to e-Learning p. 260

Developing Mobile Agent Organizations: A Case Study in Digital Tourism p. 270

Multimedia

Supporting Distributed Processing of Time-Based Media Streams p. 281

Formalizing Meta-Programming Techniques to Reconcile Heterogeneous Scheduling Disciplines in Open Distributed Real-Time Systems p. 289

Application of the QuO Quality-of-Service Framework to a Distributed Video Application p. 299

Replication and Transactions

Coordinating the Simultaneous Upgrade of Multiple CORBA Application Objects p. 310

Reliable Nested Invocation of Methods in Distributed Object-Based Systems p. 321

End-to-End Transactions in Three-Tier Systems p. 330

Middleware Mediated Transactions p. 340

Tutorials

Theory and Practice of Building Reliable Distributed Applications p. 353

The Real-Time UML Standard: Definition and Application p. 355

Policies and Patterns for High-Performance, Real-Time Object Request Brokers p. 357

Positioning CORBA, J2EE, Web Services and Other Middewares p. 359

Author Index p. 361

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