Message from the General Co-Chairs
Message from the Program Co-Chairs
Conference Committee
Pattern Visualization for Software Comprehension p. 4
Visualizing Year 2000 Program Changes p. 13
Visualizing Software in Virtual Reality p. 19
Developing an Approach for the Recovery of Distributed Software Architectures p. 28
An Analysis Framework for Understanding Layered Software Architectures p. 37
Using Automatic Clustering to Produce High-Level System Organizations of Source Code p. 45
An Architecture for Interoperable Program Understanding Tools p. 54
Managing a Multi-File, Multi-Language Software Repository for Program Comprehension Tools - A Generic Approach p. 64
DIME: A Direct Manipulation Environment for Evolutionary Development of Software p. 72
The Effect of Object-Oriented Programming Expertise in Several Dimensions of Comprehension Strategies p. 82
Rapid System Understanding: Two COBOL Case Studies p. 90
Partial Comprehension of Complex Programs (enough to perform maintenance) p. 98
Current Parsing Techniques in Software Renovation Considered Harmful p. 108
Parsing Minimization when Extracting Information from Code in the Presence of Conditional Compilation p. 118
Specifying the Semantics of Machine Instructions p. 126
Decomposing Legacy Programs: A First Step Towards Migrating to Client-Server Platforms p. 136
Program Slicing in Understanding of Large Programs p. 145
Design Pattern Recovery in Object-Oriented Software p. 153
Program Understanding Behavior During Adaptation of Large Scale Software p. 164
Studying Work Practices to Assist Tool Design in Software Engineering p. 173
Design of a Toolset for Dynamic Analysis of Concurrent Java Programs p. 190
The Feedback Compiler p. 198
Automatic Detection of Interaction Patterns for Parallel Program Analysis and Development p. 206
Author Index p. 215
Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.