CONTENTS

1. WEB AND DISTRIBUTION
Chair: Ian Sommerville

Content Change Management: Problems for Web Systems 1
S. Dart

Experiences: Distributed Development and Software Configuration Management 17
U. Asklund, B. Magnusson, A. Persson

Applying Software Configuration Management in Web Sites Development: A Case Study 34
M. Leoni, M. Trainotti, A. Valerio

2. EXPERIENCE AND TOOLS
Chair: Reidar Conradi

Software Configuration Management Risk Analysis before Relocating the Porting of Product's Family 38
M. Simoni č , J.Györkös, I. Rozman

Why Do Some Mature Organizations Not Use Mature CM Tools? 50
I. Crnkovic

An Experience in Configuration Management in SODALIA 66
M. Banzi, , F. Macugli, S. Borion, G. La Commare,

3. VERSIONING AND MODELS
Chair: André van der Hoek

A Branching/Merging Strategy for Parallel Software Development 86
J. Buffenbarger, K. Gruell

The Unified Extensional Versioning Model 100
U. Asklund, L. Bendix, H.B. Christensen, B. Magnusson

4. WEB AND DISTRIBUTION
Chair: Susan Dart

Deployment Descriptions in a World of COTS and Open Source 123
W.J. Hansen

VTML for Fine-Grained Change Tracking in Editing Structured Documents 139
L. Bendix, F. Vitaly

Global Names: Support for Managing Software in a World of Virtual Organizations 157
M.L. Van De Vanter, T. Murer

5. NEW DEVELOPMENTS
Chair: Geoff Clemm

Distributed Objects for Concurrent Engineering 172
J. Estublier

Goals for a Configuration Management Network Protocol 186
J. Whitehead, Jr.

CM Strategies for RAD 204
D. W. Weber

6. RESEARCH STATUS AND FUTURE DIRECTIONS
Chair: Boris Magnusson

Software Configuration Management: State of the Art, State of the Practice 217
K. Frühauf, A. Zeller

SCM: Status and Future Challenges 228
R. Conradi, B. Westfechtel

New Challenges for Configuration Management 232
M. Larsson, I. Crnkovic

TUTORIAL
Chair: Annita Persson

The Three SCM Implementation Levels 244
M.E. Moreira

AUTHOR INDEX 255