# Contents

1. **Supporting Multiprocessors in the Real-Time Specification for Java Version 1.1**
   Andy J. Wellings, Peter Dibble, and David Holmes

2. **Using Real-Time Java in Distributed Systems: Problems and Solutions**
   Pablo Basanta-Val and Jonathan Stephen Anderson

3. **Handling Non-Periodic Events in Real-Time Java Systems**
   Damien Masson and Serge Midonnet

4. **Parallel Real-Time Garbage Collection**
   Fridtjof Siebert

5. **Region-Based Memory Management: An Evaluation of Its Support in RTSJ**
   M. Teresa Higuera-Toledano, Sergio Yovine, and Diego Garbervetsky

6. **Programming Embedded Systems: Interacting with the Embedded Platform**
   Peter Dibble, James J. Hunt, and Andy J. Wellings

7. **Hardware Support for Embedded Java**
   Martin Schoeberl

8. **Interfacing Java to Hardware Coprocessors and FPGAs**
   Jack Whitham and Neil Audsley

9. **Safety-Critical Java: The Mission Approach**
   James J. Hunt and Kelvin Nilsen

10. **Memory Safety for Safety Critical Java**
    Daniel Tang, Ales Plsek, and Jan Vitek
11 Component-Oriented Development for Real-Time Java ............... 265
Ales Plsek, Frederic Loiret, and Michal Malohlava

12 RT-OSGi: Integrating the OSGi Framework with the Real-Time Specification for Java ......................... 293
Thomas Richardson and Andy J. Wellings

13 JavaES, a Flexible Java Framework for Embedded Systems ........ 323
Juan Antonio Holgado-Terriza and Jaime Viúdez-Aivar

References.............................................................................................................. 357
Distributed, Embedded and Real-time Java Systems
Higuera-Toledano, M.T.; Wellings, A.J. (Eds.)
2012, X, 378 p., Hardcover
ISBN: 978-1-4419-8157-8