

Contents

1	Supporting Multiprocessors in the Real-Time Specification for Java Version 1.1	1
	Andy J. Wellings, Peter Dibble, and David Holmes	
2	Using Real-Time Java in Distributed Systems: Problems and Solutions	23
	Pablo Basanta-Val and Jonathan Stephen Anderson	
3	Handling Non-Periodic Events in Real-Time Java Systems	45
	Damien Masson and Serge Midonnet	
4	Parallel Real-Time Garbage Collection	79
	Fridtjof Siebert	
5	Region-Based Memory Management: An Evaluation of Its Support in RTSJ	101
	M. Teresa Higuera-Toledano, Sergio Yovine, and Diego Garbervetsky	
6	Programming Embedded Systems: Interacting with the Embedded Platform	129
	Peter Dibble, James J. Hunt, and Andy J. Wellings	
7	Hardware Support for Embedded Java	159
	Martin Schoeberl	
8	Interfacing Java to Hardware Coprocessors and FPGAs	177
	Jack Whitham and Neil Audsley	
9	Safety-Critical Java: The Mission Approach	199
	James J. Hunt and Kelvin Nilsen	
10	Memory Safety for Safety Critical Java	235
	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