

# Spatial Awareness Of Autonomous Embedded Systems

[DOWNLOAD HERE](#)

Our environment is increasingly pervaded by embedded systems which are integrated into everyday objects, equipped with sensors and actuators, networked among each other and available at any time and in any location. These computationally augmented real-world objects must be supplied with context-awareness and need to share the perceived context-information to enable them to operate more autonomously. Clemens Holzmann investigates the role of spatial contexts for autonomous embedded systems, in particular the position, direction, and spatial extension of objects with respect to an external reference system or other objects. The author presents concepts for recognizing, representing, and reasoning about qualitative spatial relations and their changes over time, as well as an appropriate architecture which has prototypically been implemented in a flexible software framework. His results show that the proposed concepts are suitable for developing spatially aware applications and that qualitatively abstracted relations can constitute an adequate basis for this purpose. EAN/ISBN : 9783834895691  
Publisher(s): Vieweg+Teubner Discussed keywords: Embedded Systems Format: ePub/PDF Author(s): Holzmann, Clemens

[DOWNLOAD HERE](#)

## Similar manuals:

[Advances In Design And Specification Languages For Embedded Systems](#)

[Advances In Design Methods From Modeling Languages For Embedded Systems And SoC's](#)

[Design Methodologies For Secure Embedded Systems](#)

[Design Technology For Heterogeneous Embedded Systems](#)

[Embedded Systems For Smart Appliances And Energy Management](#)

[Embedded Systems Specification And Design Languages](#)

[Enhancing Embedded Systems Simulation](#)

[From Model-Driven Design To Resource Management For Distributed Embedded Systems](#)

[Languages For Embedded Systems And Their Applications](#)

[Memory Controllers For Real-Time Embedded Systems](#)

[Pro Linux Embedded Systems](#)

[Radiation Effects On Embedded Systems](#)

[Solutions On Embedded Systems](#)

[Spatial Awareness Of Autonomous Embedded Systems](#)

[System-Level Design Techniques For Energy-Efficient Embedded Systems](#)

[Views On Evolvability Of Embedded Systems](#)

[Memory Allocation Problems In Embedded Systems](#)

[Embedded Systems](#)

[Multiplexed Networks For Embedded Systems](#)

[How To Land A Top-Paying Embedded Systems Software Developers Job: Your Complete Guide To Opportunities, Resumes And Cover Letters, Interviews, Salari - Rachel Matthews](#)

[FreeBSD For Developers - Develop Embedded Systems Ver 2011](#)

[Chapter 23, Specifying Behavior Of Embedded Systems - Robert Oshana](#)

[Chapter 03, Overview Of Real-time And Embedded Systems - Robert Oshana](#)

[Chapter 01, DSP In Embedded Systems: A Roadmap - Robert Oshana](#)

[Chapter 04, Overview Of Embedded Systems Development Lifecycle Using DSP - Robert Oshana](#)