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Developing Real-Time and Embedded Software with UML 2 Duration 3 days Audience: Software architects, development team managers, project managers, product managers, software developers, programmers involved in design and development of real-time and embedded software systems

### **Developing Real-Time and Embedded Software with UML 2**

1 Real-Time UML ©Telelogic AB Real-Time UML Bruce Powel Douglass, PhD Chief Evangelist Telelogic www.ilogix.com ... UML supports Key Technologies for Development Iterative Development Visual Modeling Model Execution Model-Code Associativity Real-Time Frameworks Automated Requirements-Based Testing.

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defined interfaces. This line of development started at the end of the last millennium with the announcement of the first generation of CASE tools that were able to generate code for embedded system targets from high-level models e.g. defined in the Unified Modeling Language (UML). UML is very useful in modelling the real-time embedded systems.

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Using UML 2.0 in Real-Time Development A Critical Review Kirsten BerkenkÃ¶tter University of Bremen P.O.B. 330 440 D-28334 Bremen ... ness of UML 2.0 in the real-time domain can be dis-cussed. Examples In sections 2 to 4 and 6, a simple vending machine is ... Another problem crucial for real-time development is

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time domain. In particular, we look at how tools and features from the real-time domain have affected the standardization efforts when further developing the next generation of UML, called UML 2.0. As part of the language proper, the primary concern is to cover soft real-time aspects, while hard real-time aspects are handled

### **UML and Real-time Systems - EMIS**

UML 2.0 Notation for Modeling Real Time Task Scheduling Maria Cruz Valiente, Gonzalo Genova, Jesus Carretero, Carlos III University of Madrid Abstract UML is the standard visual object modeling language which may be very useful as a system design communication language. However, UML as a real-time modeling language has limitations.

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