6th IFAC International Conference on Fieldbus Systems and Their Applications 2005

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A Fieldbus for Safety-related Real-time Operation Supporting Forward Recovery from Redundant Nodes
Martin Skambraks, Peter Neumann

Dependability evaluation of real-time applications distributed on TDMA-based networks
François Simonot, Françoise Simonot-Lion, YeQiong Song

Parallel Session 2 - Real-Time and Distributed Systems I
Real-time procedures in distributed systems
Mário J.B. Calha, Valter F. Silva, José A.G. Fonseca

Real Time Computing in a High Performance Cluster
Palomera Pérez Miguel, Almeida L., Benítez Pérez H.

Parallel Session 3 – Building Automation I
Current Challenges in Abstracting Data Points
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The Artificial Recognition System (ARS): New Concepts for Building Automation
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A Simulation and Visualization System for Sensor and Actuator Data Generation
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A schedulability analysis of an IEC61499 control application
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Fundamental considerations for implementing control systems on a CAN network
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Communications Requirements for Autonomous Mobile Robots: Analysis and Examples
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Communication of Trackside Infrastructure and Moving Trains - Critical Demands of the Data Transmission
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