

## **CAN BUS ACCESS FOR REAL-TIME APPLICATIONS**

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### **Abstract**

The paper introduces a mechanism to implement distributed scheduling for CAN-bus resource in order to meet the requirements of a distributed real-time system. The key issues considered here, are multicasting, distinguishing between hard real-time, soft real-time, and non real-time constraints, achieving high resource utilization for CAN-bus, and supporting dynamic hard real-time computing by allowing dynamic reservation of communication resources.