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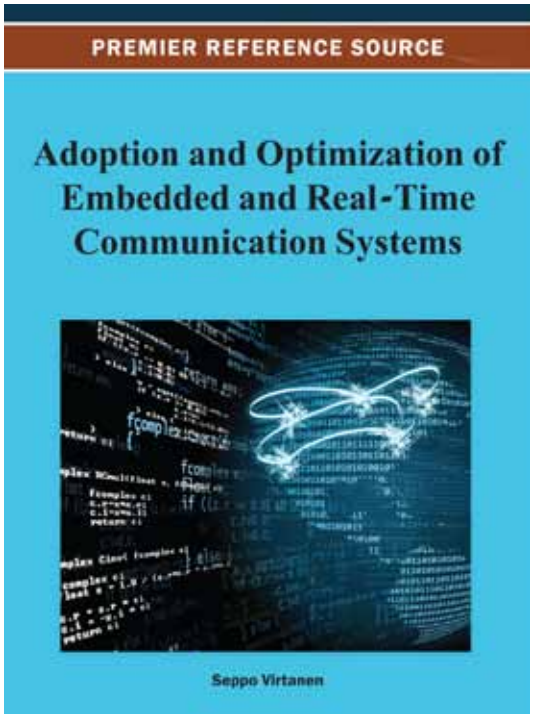
Adoption and Optimization of Embedded and Real-Time Communication Systems



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Seppo Virtanen (University of Turku, Finland)

Adoption and Optimization of Embedded and Real-Time Communication Systems presents innovative research on the integration of embedded systems, real-time systems and the developments towards multimedia technology. This book is essential for researchers, practitioners, scientists, and IT professionals interested in expanding their knowledge of this interdisciplinary field.

Topics Covered:

- Adoption Methods
- Communication Systems
- Embedded Networks and Systems
- Real-Time Computing
- Security Issues with Technologies
- Software Design
- Wireless Sensor Networks

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Seppo Virtanen received his BSc in applied physics, MSc in electronics and information technology (1998), and DSc (Tech.) in communication systems (2004) from the University of Turku (Finland). Since 2009, he has been Adjunct Professor of Embedded Communication Systems at University of Turku. He is Editor-in-Chief of the *International Journal of Embedded and Real-time Communication Systems* and a senior member of the IEEE. His published academic research has been in the areas of hardware acceleration for protocol processing, protocol processor architectures, and hardware/software codesign methodologies for embedded communication systems. In the past few years, his research interests have been focused on platforms capable of handling the processing of communication protocols, DSP routines, and software defined radio algorithms and applications in parallel on a parameterizable hardware platform, as well as information security related topics in the embedded systems domain.

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