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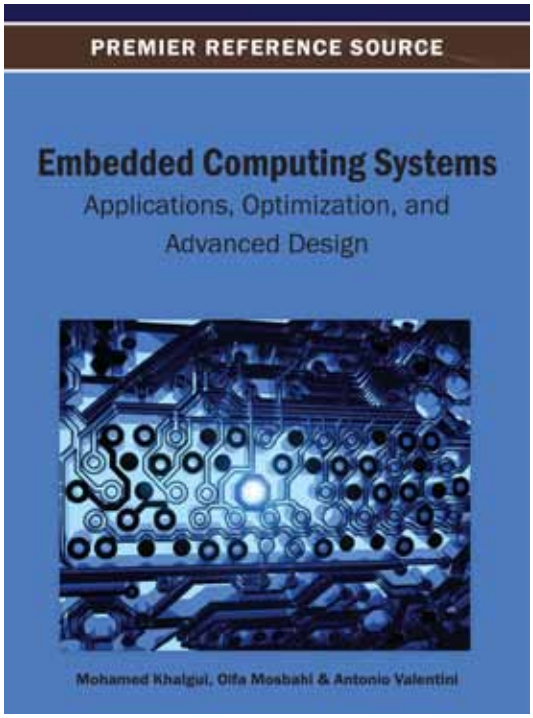
Embedded Computing Systems: Applications, Optimization, and Advanced Design



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Embedded computing systems play an important and complex role in the functionality of electronic devices. With our daily routines becoming more reliant on electronics for personal and professional use, the understanding of these computing systems is crucial.

Embedded Computing Systems: Applications, Optimization, and Advanced Design brings together theoretical and technical concepts of intelligent embedded control systems and their use in hardware and software architectures. By highlighting formal modeling, execution models, and optimal implementations, this reference source is essential for experts, researchers, and technical supporters in the industry and academia.

Topics Covered:

- Embedded Computing Systems
- Execution Models
- Hardware Architectures
- Industrial Networks
- Modeling & Verification
- Software Engineering

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Mohamed Khalgui is a researcher at Xidian University in China. He was a full-time researcher in computer science at Martin Luther University in Germany, a part-time researcher at ITIA-CNR Institute in Italy, a collaborator with SEG Research Group in Greece, and a temporary lecturer at Henri Poincaré University in France. Dr. Khalgui obtained the Bachelor degree in Computer Science at Tunis University in 2001. The master degree was obtained in telecommunication and services at Henri Poincaré University in 2003. He made research activities in computer science at INRIA Institute to obtain the PhD at the French Polytechnical Institute of Lorraine in 2007. Dr. Khalgui activates in several European Projects and also in other interesting international collaborations. He's currently the Head of ICTICA.

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