An Excellent Addition to Your Library!

Released: June 2014

Handbook of Research on Embedded Systems Design

Handbook of Research on

Embedded Systems Design



ISBN: 9781466661943; © 2014; 580 pp. Print: US \$345.00 | Perpetual: US \$520.00 | Print + Perpetual: US \$690.00 Part of the Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series

Alessandra Bagnato (Softeam R&D, France), Leandro Soares Indrusiak (University of York, UK), Imran Rafiq Quadri (Softeam R&D, France), and Matteo Rossi (Politecnico di Milano, Italy)

As real-time and integrated systems become increasingly sophisticated, issues related to development life cycles, non-recurring engineering costs, and poor synergy between development teams will arise.

The **Handbook of Research on Embedded Systems Design** provides insights from the computer science community on integrated systems research projects taking place in the European region. This premier references work takes a look at the diverse range of design principles covered by these projects, from specification at high abstraction levels using standards such as UML and related profiles to intermediate design phases. This work will be invaluable to designers of embedded software, academicians, students, practitioners, professionals, and researchers working in the computer science industry.

Topics Covered:

- Automotive Architectures
- Collaborative Development of Dependable Cyber-Physical Systems
- DRE Defense Systems
- Embedded Virtualization Techniques
- FoReVer Contract-Based Approach
- Hardware Fault Tolerance
- High Level SysML/MARTE Methodology
- Individualized Transit Indicators
- Symbolic-Based Monitoring
- UML MARTE Time Model

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



Publishing Academic Excellence at the Pace of Technology Since 1988

Order Your Copy Today!

Name:	Enclosed is check payable to IGI Global in US Dollars, drawn on a US-based bank
Organization:	
Address:	🗌 Credit Card 🔲 Mastercard 🗌 Visa 🗌 Am. Express
City, State, Zip:	3 or 4 Digit Security Code:
Country:	Name on Card:
Tel:	Account #:
Fax:	Expiration Date:
E-mail:	