

Embedded Systems Handbook, Second Edition: Networked Embedded Systems (Industrial Information Technology)

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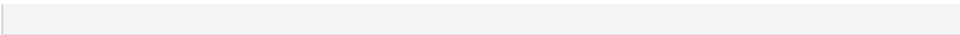
Considered a standard industry resource, the *Embedded Systems Handbook* provided researchers and technicians with the authoritative information needed to launch a wealth of diverse applications, including those in automotive electronics, industrial automated systems, and building automation and control. Now a new resource is required to report on current developments and provide a technical reference for those looking to move the field forward yet again. Divided into two volumes to accommodate this growth, the *Embedded Systems Handbook, Second Edition* presents a comprehensive view on this area of computer engineering with a currently appropriate emphasis on developments in networking and applications. Those experts directly involved in the creation and evolution of the ideas and technologies presented offer tutorials, research surveys, and technology overviews that explore cutting-edge developments and deployments and identify potential trends.

This second self-contained volume of the handbook, *Network Embedded Systems*, focuses on select application areas. It covers automotive field, industrial automation, building automation, and wireless sensor networks. This volume highlights implementations in fast-evolving areas which have not received proper coverage in other publications. Reflecting the unique functional requirements of different application areas, the contributors discuss inter-node communication aspects in the context of specific applications of networked embedded systems.

Those looking for guidance on preliminary design of embedded systems should consult the first volume: Embedded Systems Design and Verification.

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Editorial Review

Review

This second volume of the handbook is an in-depth survey of embedded networked architectures and their applications. ... the interested reader is encouraged to read these books through. To conclude, the handbook may be highly recommended for professionals as well as lecturers and students of academic courses on the rapidly progressing field of networks-on-chips structures and applications.

?Zentralblatt MATH 1186

About the Author

Richard Zurawski is with ISA Group in San Francisco, California, and is involved in providing solutions to Fortune companies.

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