DSP for Embedded and Real-Time Systems

By Robert Oshana

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This Expert Guide gives you the techniques and technologies in digital signal processing (DSP) to optimally design and implement your embedded system. Written by experts with a solutions focus, this encyclopedic reference gives you an indispensable aid to tackling the day-to-day problems you face in using DSP to develop embedded systems.

With this book you will learn:

- A range of development techniques for developing DSP code
- Valuable tips and tricks for optimizing DSP software for maximum performance
- The various options available for constructing DSP systems from numerous software components
- The tools available for developing DSP applications
- Numerous practical guidelines from experts with wide and lengthy experience of DSP application development

Features:

- Several areas of research being done in advanced DSP technology
- Industry case studies on DSP systems development

DSP for Embedded and Real-Time Systems is *the* reference for both the beginner and experienced, covering most aspects of using today's DSP techniques and technologies for designing and implementing an optimal embedded system.

- The only complete reference which explains all aspects of using DSP in embedded systems development making it a rich resource for every day use
- Covers all aspects of using today's DSP techniques and technologies for designing and implementing an optimal embedded system
- Enables the engineer to find solutions to all the problems they will face when using DSP

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Editorial Review

From the Back Cover

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About the Author
Rob Oshana has over 25 years of experience in the real-time embedded industry, in both embedded application development as well as embedded tools development. He is currently director of engineering for the Development Technology group at Freescale Semiconductor. Rob is also a Senior Member of IEEE and an adjunct at Southern Methodist University. He can be contacted at robert.oshana@freescale.com

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