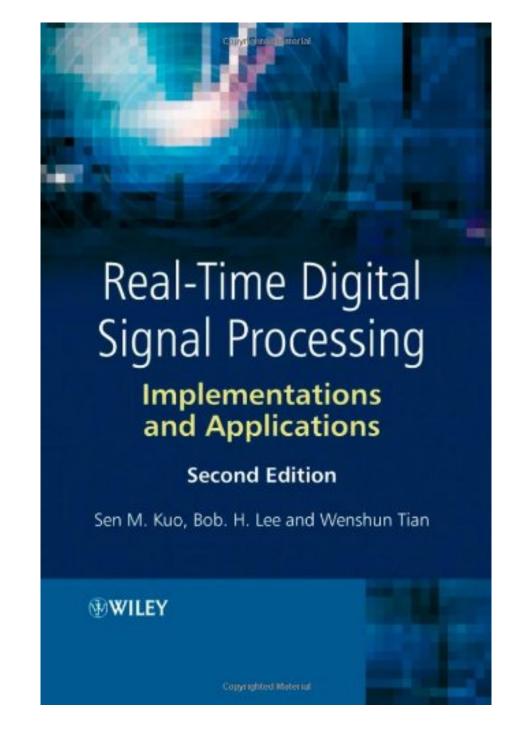


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From the Back Cover

In recent years, significant advances in digital technology have led to the design and implementation of sophisticated algorithms, allowing accurate real-time processing of signals. Real-time digital signal processing (DSP) is of increasing importance in today's engineering fields because of the demand for high performance, low-cost digital signal processors in many applications from digital cellular phones and high-speed Internet access, to image processing, and multimedia streaming.

Fully revised and updated, Real-Time Digital Signal Processing: Implementations and Applications, Second Edition takes a wholly practical approach, providing essential information on real-time principles, DSP algorithm development, and system design and implementation. With eight new chapters analyzing the latest DSP applications, this book also includes a wealth of exercises, laboratory experiments and programming examples using MATLAB, C, and assembly languages for Texas Instrument's TMS320C55xx processor.

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