

Electronic Instrument Design: Architecting for the Life Cycle

By Kim R. Fowler

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Electronic Instrument Design provides a coherent and integrated presentation of the design process, connecting engineering principles to real applications from a systems perspective. Bridging theory and practice, this hands-on guide builds a framework for developing electronic instrumentation, from hand-held devices to consoles of equipment. It offers practical design solutions, describes the interactions, trade-offs, and priorities encountered, and uses specific details, situations, and numerous case studies as examples. The methods may be applied to single prototypes as well as to mass-produced devices. The applications are not technology-dependent, and will therefore not be outdated by the next generation of hardware or software. While the focus of the book is on projects often found in small- or medium-sized companies, many of the principles presented apply to larger projects as well. *Electronic Instrument Design* is an ideal text for design courses in electrical and industrial engineering, and also serves as a practical guide for engineers in diverse fields.

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Editorial Review

Review
This is a comprehensive introduction to the design of electronic products developed from the author's "real world experience". It is a useful reference book as well as good potential to support undergraduate systems and product design courses as it provides useful guidelines and case studies. Aslib Book Guide

From the Back Cover
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About the Author
Kim R. Fowler is at Ixthos, Inc..

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