

Jens Lienig · Hans Bruemmer

Fundamentals of Electronic Systems Design

This textbook covers the design of electronic systems from the ground up, from drawing and CAD essentials to recycling requirements. Chapter by chapter, it deals with the challenges any modern system designer faces: The design process and its fundamentals, such as technical drawings and CAD, electronic system levels, assembly and packaging issues and appliance protection classes, reliability analysis, thermal management and cooling, electromagnetic compatibility (EMC), all the way to recycling requirements and environmental-friendly design principles.

- Enables readers to understand and meet challenges of designing electronics systems, including critical topics from the major engineering disciplines;
- Written to be accessible to readers of varying backgrounds;
- Uses illustrations extensively to reinforce fundamental concepts;
- Organized to follow the essential design process, although chapters are self-contained and can be read in any order.

“This unique book provides fundamental, complete, and indispensable information regarding the design of electronic systems. This topic has not been addressed as complete and thorough anywhere before. Since the authors are world-renown experts, it is a foundational reference for today’s design professionals, as well as for the next generation of engineering students.”

Dr. Patrick Groeneveld, Synopsys Inc.

Electrical Engineering

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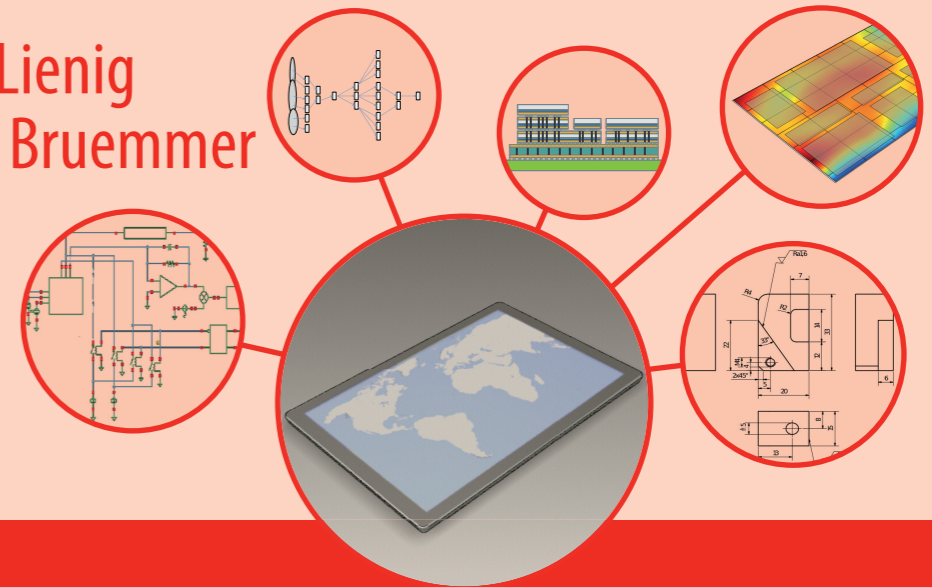
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