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# Practical Electronics for Inventors, Third Edition

By Paul Scherz, Simon Monk



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Spark your creativity and gain the electronics skills required to transform your innovative ideas into functioning gadgets. This hands-on, updated guide outlines electrical principles and provides thorough, easy-to-follow instructions, schematics, and illustrations. Find out how to select components, safely assemble circuits, perform error tests, and build plug-and-play prototypes. *Practical Electronics for Inventors*, Third Edition, features all-new chapters on sensors, microcontrollers, modular electronics, and the latest software tools.

Coverage includes:

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- Diodes, transistors, and integrated circuits
- Optoelectronics, solar cells, and phototransistors
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- Microcontrollers and prototyping platforms, including Arduino
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### About the Author

**Paul Scherz** is a physicist/mechanical engineer who received his B.S. in physics from the University of Wisconsin. He is an inventor/hobbyist in electronics, an area he grew to appreciate through his experience at the University's Department of Nuclear Engineering and Engineering Physics and the Department of Plasma Physics.

**Dr. Simon Monk** has a degree in Cybernetics and Computer Science and a PhD in Software Engineering. Monk spent several years as an academic before he returned to industry, co-founding the mobile software company Momote Ltd. He has been an active electronics hobbyist since his early teens and is a full time writer on hobby electronics and open source hardware. Dr. Monk is the author of numerous electronics books, including *30 Arduino Projects for the Evil Genius* and *Arduino + Android Projects for the Evil Genius*.

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