

Issue # 279**October****J. Bachiochi: Robot Simulation (Part 1): RobotBASIC Basics****PROJECT FILES**

To download the code, go to ftp://ftp.circuitcellar.com/pub/Circuit_Cellar/2013/279

RESOURCES

J. Blankenship and S. Mishal, *Robot Programmer's Bonanza*, Mc-Graw Hill, 2008

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Bob Japenga: Embedded File Systems (Part 1): Linux File Systems**RESOURCE**

B. Japenga, "Concurrency in Embedded Systems (Part 8): Using Files in Concurrent Linux Designs," *Circuit Cellar* 277, 2013.

Robert Lacoste: Bipolar Transistor Biasing**PROJECT FILES**

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LTSpice SPICE simulator
Linear Technology Corp. | www.linear.com

G. Novacek: Battery Basics (Part 2): Battery Back-Up Power

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G. Novacek, "On Robust Engineering: Design Tips for Ensuring System Reliability and Success," Circuit Cellar 25th Anniversary Issue, 2013.

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Dangerous Prototypes, "OpenBench Logic Sniffer,"
http://dangerousprototypes.com/docs/Open_Bench_Logic_Sniffer

fpga4fun.com, www.fpga4fun.com

ProgrammableLogicInPractice.com, www.programmablelogicinpractice.com

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SignalTap II embedded logic analyzer
Altera Corp. | www.altera.com

Reveal logic analyzer
Lattice Semiconductor Corp. | www.latticesemi.com

Synopsys Identify AE/ME debugging tool
Microsemi Corp. | www.microsemi.com

Avnet LX9 MicroBoard, ISE WebPACK design software, ZedBoard development board,
ChipScope Pro I/O toolkit, and Vivado logic analyzer
Xilinx Corp. | www.xilinx.com

Devlin Gualtieri: Improving Microprocessor Audio**RESOURCES**

Audacity open-source software, <http://audacity.sourceforge.net>

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W. Krawec: Experiments in Developmental Robotics (Part 2): Robot Reflex and Instinct Systems**PROJECT FILES**

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VIDEO

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Graig Pearen: Solar Array Tracker (Part 1): SunSeeker Hardware**PROJECT FILES**

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Epoxies, Etc., www.epoxies.com

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Freescale Semiconductor, Inc. | www.freescale.com



MAX5035 DC-DC Converter and DS18S20/DS18B20 temperature sensors
Maxim Integrated, Inc. | www.maximintegrated.com

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Microcontrollers; LAN8720Ai Ethernet IC; and 24LC256 EEPROM
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Collin Ladd and Michael Dickey: 3-D Printing with Liquid Metals

VIDEO

C. Ladd, "Video: 3-D Printing with Liquid Metals and Flexible Electronics,"
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