



***Electronic Design* Announces Winners of 2012 Best Electronic Design Awards**

December 6, 2012 (New York, NY): The results are in! The best technologies, products, and standards winners for 2012 have been announced and published in *Electronic Design's* annual Best Electronic Design edition. The December 6 issue also features the year's best Ideas for Design, along with six new inductees into the magazine's Engineering Hall of Fame, which was founded in 2002.

Our staff editors selected the winners for the best technologies, products, and standards, while our readers selected the Hall of Fame inductees and best Ideas for Design from the ones published over the last 12 months.

"We rely on the expertise of our staff and contributing editors to ferret out the 'best' of the various new technologies, products, and standards that we have seen and wrote about throughout this past year," said Editor-in-Chief Joe Desposito. "These guys are in the trenches every day covering this industry, and they know about all the great new innovations that have been introduced and what really works!"

The Best Electronic Design awards are segmented into editorial "beats" as well as specific vertical markets. The editors are free to choose what they consider to be the "best" in these areas. The staff editors responsible for these beats include Don Tuite for analog and power, Lou Frenzel for communications, Joe Desposito for components, EDA, and test and measurement, and Bill Wong for digital and embedded technologies. In the vertical markets, Don Tuite tackled the automotive and medical arenas, while Lou Frenzel covered the industrial segment.

The 2012 winners are listed below along with links to their respective articles. These winners will receive a Best Electronic Design crystal trophy and a logo that they can post on their company website or include in their design-specific profile descriptions.

2012 Best Electronic Design Winners

Analog

- [Analog Devices JESD204B-compatible High-Speed Data Converter-to-FPGA Interconnect Design Environment products](#)
- Texas Instruments ADS42JB69 dual-channel, 16-bit, 250-Mbit/s ADC and LMK04828 clock-jitter cleaner

Components

- [FCI AirMax VS high-speed internal cable assembly](#)
- 2Pro AC circuit protection device
- MicroPower Direct MPL-03SE series 3-W ac-dc power supplies
- MicroOLED OLED microdisplay on silicon

Digital

- [Everspin spin torque EMD3D064M 64-Mbit DDR3 ST-MRAM](#)
- Microchip MGC3130 capacitive gesture controller
- IDT NVMe PCIe Gen 3 Enterprise flash controller
- ARM 64-bit Cortex-A50 and ARMv8-A architectures

EDA

- [Cadence OrCAD 16.6](#)
- Atrenta SpyGlass version 4.7
- Synopsys HAPS-70 series FPGA-based prototyping systems

- Ausdia Timevision

Embedded Hardware

- Kontron ULP-COM-sAT30 and ULP-COM-sAMX5 modules
- Gumstix DuoVero module

Embedded Software

- [Microsoft Windows 8](#)

Power

- [International Rectifier IP2010 and IP2011 GaN modules](#)

Test & Measurement

- Agilent InfiniiVision 4000 X-Series scopes
- Teledyne LeCroy HDO4000 and HDO6000 high-definition scopes
- National Instruments Vector Signal Transceiver (VST)

Wired Communications

- [Greenvity Communications Hybrii-XL GV7011](#)
- Micrel KSZ8061MHL 10BaseT/100BaseTX PHY transceiver

Wireless Communications

- Freescale QorIQ Qonverge processor
- Dust Networks LTC5800 and LTP5900 SmartMesh devices

Automotive

- Nuvation E-Rex three-wheel motorcycle/Maxim Integrated MAX11068 battery-monitoring ICs

Industrial

- Maxim Integrated MAX3185 RTD-to-digital converter
- Sierra Wireless SL9090 embedded module

Medical

- Analog Devices A8232 single-lead heart-rate monitor analog front end

Best Ideas for Design

- “Simple Circuit Turns PWM Into A Digitally Adjustable Precision Reference” by Rick Mally
- “Electronic Load Achieves 0 Ω ” by Henry Santana

Engineering Hall of Fame

The 2012 Engineering Hall of Fame inductees include Paul Allen, cofounder of Microsoft; Daniel Bricklin and Bob Frankston, inventors of the VisiCalc PC spreadsheet; Cecil Green, Patrick Haggerty, Jon Jonsson, and Eugene McDermott, founders of Texas Instruments; C. Lester Hogan, inventor of the microwave gyrator; Irving Langmuir, inventor of the high-vacuum tube; and Jay Last, a member of Fairchild Semiconductor’s “Traitorous Eight.” Also, we pay tribute to inaugural Hall of Fame member Hans Camenzind, who died on August 8. Profiles of these exceptional engineers and their outstanding contributions can be found by clicking <http://electronicdesign.com/departments/halloffame.aspx>.

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