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NEWS > TRENDS & ANALYSIS

Electronic Design Announces 2011 Best Electronic Design Award Winners

Dec. 8, 2011

Winners of the best technology, products and standards for 2011 were announced today in Electronic Design's annual Best Electronic Design issue. Also announced are the year's best Ideas For Design and six new inductees into the Engineering Hall of Fame, which the publication founded in 2002.

Staff

NEW

Analog Signal
Generator Touts
Signal Purity,...

New Connectivity
Technology Wrangle
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December 8, 2011 (New York, NY)
best technology, products and standards for 2011 were announced today in *Electronic Design's* annual Best Electronic Design issue. Also announced are the year's best Ideas For Design and six new inductees into the Engineering Hall of Fame, which the publication founded in 2002.

Staff editors selected the award winners for the best technology, products and standards for 2011. Readers also selected the best Ideas for Design published in the past 12 months. Readers also selected six new inductees from a list created by the editorial staff.

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“We rely on the expertise of our staff and contributing editors to ferret out the best of the technologies, products and standards that we have seen and wrote about over the past 12 months,” 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 in the last year.”

The Best Electronic Design awards are segmented into editorial “beats” as well as vertical markets, such as industrial and medical. The editors are free to choose what they consider to be the best in these areas. The staff editors include Don Tuite for analog and power, Lou Frenzel for communications, David Maliniak for EDA and test and measurement, Bill Wong for digital and embedded and Mat Dirjish for components.

In the vertical markets, Desposito selected the automotive winners, Frenzel the industrial winners, Tuite the medical winners, and Bill Wong the winners for Computers and Consumer Electronics.

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All winners are listed below with links to the articles that appeared in the December 8, 2011 issue of *Electronic Design*. Winners receive a Best Electronic Design crystal trophy, as well as a logo that they can post on their own Web site.

2011 Best Electronic Design Winners

Analog & Mixed Signal

- Analog Devices

ADIS16407 inertial measurement unit



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Power

- Texas Instruments

BQ25504 battery management IC



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Communications

Wired

- Marvell Semiconductor

88LX3142 and LX2718 G.hn chipset



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Wireless

- Neul and Carlson Wireless

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Digital

- Microchip
PIC10F32X with configurable logic cell
- Adapteva
Epiphany 16-core accelerator

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EDA

- Mentor Graphics
Calibre RealTime/Springsoft Laker layout system
- Altium
Altium Designer 10

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64307 EDA


Test & Measurement

- Tektronix
MDO4000 mixed-domain oscilloscope
- Agilent Technologies
M8190A arbitrary waveform generator
- Keithley
Model 4225-PMU I-V module

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Components

- Vishay Precision Group
HTH series resistors
- TDK Lambda
GWS250 series 250-W, green ac-dc power supplies
- OMNIVISION
OV10810 CMOS image sensor
- XL Hybrids
Commercial vehicle power conversion technology

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Displays & Indicators

- Samsung and Planar
SM'ART Gallery Panels

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LMH6 LED module

- OSRAM

OSLON Black Flat and OSTAR Headlamp Pro LED

Automotive

- Linear Technology

LTC6803 EV battery monitoring chip

- Diodes Inc.

Super Barrier Rectifier (SBR) family for automotive use

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Industrial

- Intersil

ISL3247xE/78xE/9xE series transceivers

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Medical

- Analog Devices

ADAS1000 electrocardiogram front end

- Texas Instruments

ADS1298R electrocardiogram front end

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Consumer Electronics

- Cypress Semiconductor

TrueTouch Gen 4

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Best Ideas For Design

Best IFD

Use A DAC To Bias Your Varactor Diode by Jefferay Lawton

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IFD Runner-ups:

Ten Cent Charge Pump Provides LCD Bias by Bob Stevens

OR Gates Slash Noise Coupling In Digital Potentiometer Applications by Michael Gambuzza

Engineering Hall of Fame

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Analog Devices; Robert Anderson invented the direct-view bistable storage CRT; James Early observed and described the shrinking width of a bipolar transistor's base area caused by the expansion of the base-collector junction with increasing base-collector voltage, known as the Early effect; Richard W. Hamming invented the error detecting and correcting codes that bear his name; Ken Olsen founded Digital

Electronicdesign Com Content Content 64307
64262 Anderson

Stanford University, encouraged brilliant minds to set up shop at the school's industrial park, which eventually grew into Silicon Valley.

This year's Hall of Fame inductees are Bob Adams whose audio prowess has led him to a fellowship at

Equipment Corp., which Compaq bought back in 1998; and, Fred Terman, during his tenure at

Profiles of these exceptional engineers and their outstanding contributions can be found by clicking <http://electronicdesign.com/departments/halloffame.aspx>.

CONTINUE READING

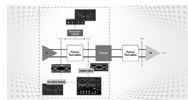


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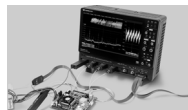
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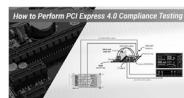
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