

Elektra stars

Electronics Weekly presents the names of those companies and products which have been shortlisted in the Elektra European electronic industry awards. An independent judging panel, which included specialists from Afdec, Envirow ISLI, NMI, Qinetiq, Roke Manor Research and the University of Manchester, concluded that the quality of the entries this year were particularly impressive and wide-ranging. The winners in each of the 14 categories will be announced at a gala dinner on Wednesday, November 15 at the Arabella Sheraton in Munich.

MANUFACTURER OF THE YEAR

Sponsored by Avnet Memec

Eldon Electric
Fastwel
TSMC Europe

SUPPLIER OF THE YEAR

Sponsored by Hamilton Parker International

Imagination Technologies
IQE
ML Electronics
Silicon Laboratories
Sony Semiconductor

DISTRIBUTOR OF THE YEAR

Sponsored by Avago Technologies

Abacus Group
Arrow Northern Europe
Azzurri Technology
Farnell InOne
RS Components
TTI Europe

COMPANY OF THE YEAR

Sponsored by International Rectifier

THE WINNER OF THIS PRESTIGIOUS AWARD WILL BE SELECTED FROM THE WINNERS OF ALL CATEGORIES.

PRODUCT OF THE YEAR

Sponsored by RS Components

Digimesa AG A flow sensor device which incorporates a new design which allows it to be used to also measure density and temperature for a wide range of fluids.

Lambda Europe Genesys range of 3.3 kW DC supplies are intended to simplify the process of powering up medical and communications systems by offering basic programmability.

National Instruments LabVIEW 8, the latest version of the firm's graphical analysis software includes distributed intelligence based on a patent-pending shared variable technology.

Elektra 06

European Electronics Industry Awards

Synplicity Graph-based physical synthesis technology which improves timing closure by means of a single-pass physical synthesis flow for 90nm FPGAs.

Tektronix The portable DP04000 oscilloscope is notable for the range of its serial triggering, protocol decoding, and analysis capabilities and its Wave Inspector analysis tool.

Triteq This is a disposable electronic device that improves the quality and reliability of foetal blood sampling during labour. The design allowed the firm to manufacture competitively in the UK.

SYSTEM-ON-CHIP DESIGN FOR INDUSTRIAL & AUTOMOTIVE APPLICATIONS

Sponsored by Electronica 06

International Rectifier The iMotion design platform for sensorless motor control for direct-drive permanent magnet synchronous motor washing machines.

Ramtron 16kbit FM25C160 FRAM memory device designed with a 5V operating voltage and SPI interface for use as non-volatile memory in smart airbag systems.

Toshiba Capricorn is a 64-bit Risc-based SoC with integrated graphics controller, designed specifically to reduce component count in automotive graphic displays.

SEMICONDUCTOR PRODUCT OF THE YEAR

Sponsored by Azzurri Technology

Actel FusionT is the firm's first mixed-signal FPGA which integrates analogue capabilities with flash memory and FPGA fabric in one chip.

CSR BlueCore5-FM is a single chip radio and baseband IC for Bluetooth 2.4GHz systems including support for higher speed data rates to 3Mbit/s.

Analog Devices ADIS16201 iSensor integrates a MEMS accelerometer and temperature sensor and

provides a direct output, linear-in-degrees inclinometer in one device.

STMicroelectronics The STw4141 DC-DC voltage converter allows two different output voltages to be generated using a single external coil.

Wolfson Microelectronics The WM891 stereo codec has a dual mode headphone driver which dynamically switches between Class A/B and Class D amplifier drivers.

Signal Technologies AG A family of low power 12-bit (XT11200) and 14-bit (XT11400) analogue-digital converters with a typical power consumption of 55mW.

EMBEDDED SYSTEM INNOVATION OF THE YEAR

Sponsored by Gleichmann Electronics

AMI Semiconductor The BelaSigna acous shock protocol runs on DSP-based audio processing systems to provide conformance to the European noise work legislation.

Green Hills Software A version of the fir TimeMachine software visualisation tool which enables code visibility without requiring recompilation of the application.

LinuxWorks For what is claimed to be the only commercial operating system to be certified by the FAA as a reusable software component (RSC), allowing it to be implemented in safety critical avionics.

PrismTech The OpenFusion environment is designed to provide a real-time, low footprint embedded standards based CORBA Middleware Solution for DSP platforms.

RF Engines ChannelCore64 allows designers to replace up to 16 specialist DDC Asic devices with a single IP core embedded in an FPGA.

on parade

INVESTING IN PEOPLE AWARD

Avnet EM (Europe) The firm created a management foundation programme in response to the findings of an employee survey which combined a structured approach giving trainees context in which to analyse problems and the tools to solve them.

International Rectifier As well as global training programmes which range from in-depth technical training to interpersonal skills, the firm also addresses career development on a local and regional level.

National Semiconductor A company-wide professional development programme incorporates an Engineering Competency Framework outlining the critical hard and soft skill sets needed for collaborative work in an engineering and manufacturing company.

Remploy Electronics The firm manages career development on a personal basis for each employee through a personal development plan, which this year has focused on industry-specific skills.

ENVIRONMENTAL AWARD

Sponsored by Omron Europe

Datec Technologies The firm has made specific efforts to be compliant with environmental legislation and to assist customers throughout Europe to interpret regulations and also ensure compliance. Full audit trails have been recorded for waste streams.

Farnell InOne The firm's work to prepare for and to be compliant with the RoHS Directive includes customer support services and the award of the BSI 'RoHS Trusted' Kitemark.

RS Components In preparing for the RoHS Directive the firm talked to over 700 suppliers to obtain product compliance information. It then introduced product compliance flags throughout the online order process and printable certificates of compliance.

Samsung The firm's Eco-Partner programme ensures the adequacy of environmental management programmes of over 3,000 suppliers globally and is enforced by over 600 internal auditors.

R&D AWARD

Sponsored by Renesas Technology

Electron Parametrics Precision Circuit Generator to emulate an arbitrary collection of power sources, circuit components and measuring instruments in software.

National Semiconductor VIP50 BiCMOS SOI and low leakage process which allows operational amplifiers to operate at 125°C.

Newnham Technology A lossless graphics transport protocol and hardware video rendering engine for network in/video out (NIVO).

Quantum Research Capacitive touch screen technology called QField based on a patented charge transfer sensing technique.

DESIGN APPLICATION OF THE YEAR

Sponsored by Sony

Eleksen Group For a range of ready-to-integrate ElekTex smart fabric controls for portable consumer electronic devices such as iPods and mobile phones.

Omron Electronic Components A patented Micro Lens Array (MLA) technology which cuts cost and size of fibre optic multiplexers in storage and access networks.

PicoChip Designs The PC8208 modem reference design for a 3G/HSDPA basestation for use in a home or small office as an alternative to WiFi.

Triteq For Identicom, a lone worker protection device that embeds tri-band GSM, battery and power management in an ID badge.

ONLINE BUSINESS AWARD

Sponsored by Amplicon

Farnell InOne
Rapid Electronics
RS Components

START-UP OF THE YEAR

Sponsored by Toshiba

DeepStream Technologies
Exception Group
Icera

AWARD FOR INNOVATION - READERS' CHOICE

Sponsored by Analog Devices

READERS OF ELECTRONICS WEEKLY HAVE BEEN ASKED TO VOTE FOR THE INNOVATION OF THE YEAR FROM THE FOLLOWING SHORTLIST:

- The Bug DAB digital radio from PURI
- Smart fabric touchpad from Eleksen
- Miniature OLED TV from MicroEmissive Displays
- PSP games console from Sony
- ROKR E1 mobile from Motorola
- The Sony Reader e-book

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Individual awards sponsored by:

