



For more information, contact:
Jeff Shepard, President
jshepard@darnell.com
(951) 279-6684
<http://nanopower.darnell.com>

Darnell Group

NEWS

Harvesting Ambient Energy – Update on Latest Developments

Corona, California, April 29, 2008 – Speakers from around the world will present the latest technology and product developments in harvesting ambient energy at the second-annual nanoPower Forum (nPF '08) in Costa Mesa, California, June 2-4. nPF '08 will include 20 papers on energy harvesting by authors from Belgium, Germany, Netherlands, New Zealand, Singapore and the UK, as well as the U.S. Additional sessions will address the related topics of “Lower-Power System Architectures,” “System Integration Issues,” and “Thin-Film Batteries.” This year’s Forum will end with a half-day seminar on “Designing for ultra-low-power wireless sensor applications, powered by energy harvesting.”

Energy harvesting, micro batteries and power management ICs are technologies that will enable the commercial rollout of next-generation low-power electronic devices and systems. Low-power devices are being deployed for wireless as well as wired systems such as mesh networks, sensor and control systems, micro-electro-mechanical systems (MEMS), radio frequency identification (RFID) devices, and so on. Applications include building/industrial automation, medical, homeland security, military, commercial, gaming, transportation and others.

“Energy harvesting commercial production is already hitting volume numbers, but hundreds of millions of units are expected within the next two years,” stated Jeff Shepard, President of Darnell Group. “Energy storage companies are introducing new thin-film batteries optimized to work with energy harvesting solutions. With potential markets spanning billion-unit industries, energy harvesting and thin-film batteries will be ‘the next big thing’ in power,” Shepard concluded.

Energy harvesting, energy storage and power management technologies are a major issue in terms of the commercial rollout of next-generation ultra-low-power systems. Participants will have an opportunity to meet and talk with top executives and technical professionals in the fields of energy harvesting, advanced rechargeable batteries, power management, ultra-low power RF technologies, networking protocols, and related fields. nPF '08 will focus on solutions to the increasing complexity of wringing out the maximum performance from tomorrow’s advanced ultra-low power devices. It will bring together component suppliers and system designers and will address the latest advances in this rapidly emerging field. nPF '08 will include exhibits, technical sessions, seminars, networking opportunities, and more. Multiple sessions on both Energy Harvesting and Thin Film Batteries will be featured at this year’s Forum.

Media sponsors for Darnell’s nanoPower Forum include Darnell’s *PowerPulse.Net*, and the Penton Electronics Group, including: *Electronic Design*, *Power Electronics Technology*, *Microwaves & RF*, and *RF Design*.

Darnell Group is the leading source for worldwide strategic information covering the full spectrum of power electronics, energy storage and generation. Darnell publishes the industry’s daily news on www.PowerPulse.net and specializes in the economic/business analysis of emerging power markets and technologies. Complete information on nPF '08 is available at: <http://nanopower.darnell.com>

Penton Media, Inc. is the largest independent business-to-business media company in the U.S., serving more than six million business professionals every month. The company’s market-leading brands are focused on 30 industries and include 113 trade magazines, 145 Web sites, 150 industry trade shows and conferences, and more than 500 information data products. Headquartered in New York City, the privately held company is owned by MidOcean Partners and U.S. Equity Partners II, an investment fund sponsored by Wasserstein & Co., LP, and its co-investors. For additional information on the company and its businesses, visit www.penton.com.

The World’s Power Electronics Specialist

