



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

# Darnell Group

# NEWS

## Seminar on System Integration of Energy Harvesting Added to nanoPower Forum 2008

Corona, California, March 18, 2008 – A half-day post-conference design seminar on “**Designing for ultra-low-power wireless sensor applications, powered by energy harvesting**” has been added to the second-annual nanoPower Forum (nPF '08) to be held June 2-4 at the Wyndham Orange County in Costa Mesa, California. This seminar will be hosted by the GreenPeak Academy and is offered to all nPF '08 registered delegates.

Ultra-low-power and energy harvesting open the gate to widespread adoption of wireless sensor communication technology. Compared to traditional ac- or battery- powered applications, designers need to tackle new challenges and design with substantially different constraints. During this half-day seminar, specialists from GreenPeak will address the key design challenges for ultra-low-power wireless sensor applications. Tips and Tricks will be discussed to arrive at the lowest possible energy consumption. Real life cases (including demonstration material) will be presented.

Seminar participants will hear Wim DeKimpe, Chief Technology Officer of GreenPeak Technologies and Niek van Dierdonck, Vice President of Strategy and Product Management, also with GreenPeak, discuss a variety of important technical topics including: power budget breakdowns in wireless sensor networks, successful techniques for reducing power consumption, useful sources of energy (including demonstrations of practical energy harvesting devices), as well as a complete design example of a real-world, low-power design for a wireless sensor network application.

“We are excited to be working with GreenPeak to offer this important post-conference seminar and the expanded technical content that will be included as part of Darnell’s nanoPower Forum,” stated Jeff Shepard, President of Darnell Group. “Energy harvesting is being used in a growing number of wireless system designs and this seminar will give system designers, product managers and innovation managers critical insights into the latest design techniques for implementing highly-efficient wireless system power architectures,” Shepard concluded.

“GreenPeak sees Darnell’s nanoPower Forum as the ideal platform for a technology seminar: at the crossroads of wireless communication and low-power, it addresses the most important challenges in wireless sensor applications,” stated GreenPeak’s Niek van Dierdonck.

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](http://www.PowerPulse.net) and specializes in the economic/business analysis of emerging power markets and technologies. Complete information on this exciting seminar is available at: <http://nanopower.darnell.com/seminars.php>

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](http://www.penton.com).

**The World’s Power Electronics Specialist**

