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Darnell Group

NEWS

2007 nanoPower Forum Call for Papers Issued

Corona, California, February 16, 2007 – An Announcement and Call for Papers has been issued for the first international nanoPower Forum, “Energy Harvesting & Power Management Solutions for Low-Power Wireless Systems,” (nPF ’07) to be held June 4 – 6 at the San Jose, California, Marriott Hotel. This focused three-day international conference will serve an audience of decision makers who are interested in learning about and contributing to the latest practical advancements related to the emerging area of “ultra-low power” (ULP) wireless systems.

nPF ’07 will be the premiere event for the low-power wireless industry in 2007. ULP devices are being deployed for wireless applications such as mesh networks, wireless sensor and control systems, microelectromechanical systems (MEMS), radio frequency identification (RFID) devices, and so on. Energy harvesting, energy storage and power management are some of the major issues in terms of the commercial rollout of next-generation ULP systems. Delegates will have a chance to meet and talk with top executives and technical professionals in the fields of advanced batteries, power management ICs, ultra-low power RF technologies, energy harvesting, networking protocols, and related fields.

“Cost savings, as always, is one of the drivers for these emerging technologies,” stated Jeff Shepard, President of Darnell Group. “Copper wiring is increasingly expensive. The latest wireless networking systems promise substantial savings and improved performance compared with traditional wired alternatives. For example, use of a piezoelectric-based energy-harvesting ULP wireless lighting control in a recently built warehouse saved over 70% in construction costs compared with the equivalent wired solution.”

Papers are being sought in several areas: 1) **Technology Track** topics may include: thin-film and miniature batteries, energy harvesting technologies, MEMS devices and powering issues, advanced power conversion, optimizing system efficiencies, system partitioning, RF powering considerations, and so on. Application areas may include: **mesh networks, radio frequency identification systems, wireless sensor and control systems, building automation, and other applications.** 2) **Case Study Track** topics may include: mesh networks, wireless sensor and control systems, building/industrial automation, system integration issues, data integrity and security, system architectures, system configuration, reconfigurable wireless networks, and so on. Application areas may include: **commercial, industrial, medical, automotive, military,** and other applications.

EDN Magazine is the Media Sponsor for nPF ’07. The nanoPower Forum will feature a comprehensive program including: numerous technical sessions, a round table discussion of “Can Nano Technology Provide Power for Tomorrow’s Systems?,” exhibits from industry, and extensive networking opportunities. The nPF ’07 Advisory Committee includes representatives from Advanced Cerametrics, Advanced Analogic Technology, Fraunhofer Institute, Microchip, Motorola, Nanotron, and Ubiwave. Delegates to nPF ’06 will include: Executives and engineers from ULP wireless system companies, MEMS engineers, Advanced battery technology executives and engineers, Energy harvesting technology specialists, Power management and power conversion design professionals, Applications engineers, Commodity managers, and Industry/Financial analysts.

Darnell Group is the leading source for worldwide strategic information covering the full spectrum of power electronics, energy storage and generation. The company specializes in the economic/business analysis of emerging power markets and technologies. Global Information, Inc. represents Darnell Group and the nanoPower Forum in Asia (www.gii.co.jp). Complete information on nPF ’07 is available at: <http://nanopower.darnell.com/index.php>.

