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**HI-PSM PUMPING SYSTEMS OPTIMIZATION COURSE TO BE HELD AT PUMP SYMPOSIUM**

**PARSIPPANY, NJ, December 12, 2006** – In a joint venture with the Pump Systems Matter™ (PSM) educational initiative, the Hydraulic Institute (HI), the pump industry's leading trade association, will be presenting a one-day short course entitled, "*Pumping System Optimization: Opportunities to Improve Life Cycle Performance*" at the twenty-third International Pump Users Symposium in Houston, Texas.

"*Pumping System Optimization*" is a course for design engineers, facility managers, and engineering, operations and maintenance personnel that are involved with the design, selection, installation, maintenance, operation, and optimization of pumping systems. The class is intended to help pump professionals better understand how optimizing existing and new pumping systems can improve product quality and increase profitability.

"*Pumping System Optimization*" requires a basic knowledge of pumping systems and fluid dynamics. A method of assessing pumping systems that is being used successfully in designing pumping systems for process plants and identifying opportunities to reduce process variability, improve equipment reliability, and reduce operating costs, will be presented. Currently available pump system modeling tools will be discussed, including the Pump System Improvement Modeling Tool (PSIM). PSIM operates by allowing users to build models of pumping systems. The software then uses input from various fields to simulate a wide range of system behavior. The PSIM tool is freely available for download at the Pump Systems Matter website, [www.PumpSystemsMatter.org](http://www.PumpSystemsMatter.org).

The course, to be held on March 5, 2007, will be taught by three HI members and PSM sponsors – Bill Livoti of Reliance Electric, Mike Pemberton of ITT Industrial and BioPharm, and Trey Walters of Applied Flow Technology. A copy of "*HI Pump Life Cycle Costs: A Guide to LCC Analysis for Pumping Systems*," the industry's most complete and up-to-date LCC guide for pumping systems, is included with the course and will be provided to each student on the day of the course. For information on how to register for "*Pumping System Optimization: Opportunities to Improve Life Cycle Performance*," visit the HI website at [www.Pumps.org](http://www.Pumps.org).

*Pump Systems Matter™ is an educational initiative created to assist North American pump users to gain a more competitive business advantage through strategic, broad-based energy management and pump system performance optimization. PSM strives to provide end-users, engineering consultants, and pump suppliers with tools and collaborative opportunities to integrate pump system performance optimization and efficient energy management practices into normal business operations. For more information, visit [www.PumpSystemsMatter.org](http://www.PumpSystemsMatter.org).*

*The 89-year old Hydraulic Institute, the largest association of pump producers in North America, led in the initial development of the Pump Systems Matter™ initiative. HI also maintains two other pump industry-related websites: [www.Pumps.org](http://www.Pumps.org) and [www.PumpLearning.org](http://www.PumpLearning.org). Requests concerning Pump Systems Matter™ may also be faxed to (973) 267-9055 or mailed to: Pump Systems Matter, 9 Sylvan Way, Parsippany, NJ 07054.*

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