



Press Release

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For Immediate Release

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Hydro Research Foundation Announces 9 Hydro Fellowship Awards Washington, D.C. (June 24th, 2010)

The Hydro Research Foundation, Inc. (Foundation) announced the selection of nine recipients of Hydro Fellowships today. Each fellowship will be worth approximately \$94,000 - \$141,000 over the two- to three-year period of study. The nine Fellowships are made possible by a \$3 million three-year grant from the Wind and Waterpower Technologies Program of U.S. Department of Energy (DOE). The recipients represent eight universities from eight states. Their areas of research include soil and rock mechanics, hydrologic modeling, operational optimization, water quality, and water variability due to climate change. The ten recipients, their universities and their research topics are:

Justin Hannon - University of Iowa, Iowa City IA, Masters Degree Candidate - Proposal for a Computational Fluid Dynamics Study to Examine the Affect of a Kármán Gait on Fish Locomotion

Jordan Kern - University of North Carolina, Chapel Hill NC, PhD Candiate - Dynamic Hydrologic-Economic Modeling of Tradeoffs in Hydroelectric Systems

Marina Kopytkovskiy - Colorado School of Mines, Golden CO, Masters Degree Candidate - The Effects of Climate Change on the Water Resources and Hydropower Production Capacity of the Upper Colorado River Basin

John Lamontagne - Cornell University, Ithaca NY, PhD Candidate - Real-Time Forecasting and Hydropower Reservoir Optimization Using Sampling Stochastic Dynamic Programming

Ann Marie Larquier - Alaska Pacific University, Anchorage AK, Masters Degree Candidate - Glacial Influences on Water Resources of the Eklutna Basin, Alaska

Michael George - University of California, Berkeley CA, PhD Candidate- Rock Scour Evaluation Using Block Theory and the Critical Key Block Concept

Minal Parekh - Colorado School of Mines, Golden CO, PhD Candidate - Evaluating Internal Erosion in Earth Dams Using Non-Destructive Methods

John Petrie - Virginia Tech University, Blacksburg VA, PhD Candidate - Modifying Hydropower Releases to Reduce Riverbank Erosion

Adam Witt - University of Minnesota, Minneapolis MN, PhD Candidate – Development of a Technology to Predict Gas Transfer at Low and High Head Structures

The **Hydro Fellowship Program** is designed to stimulate new student research and academic interest in research and careers in conventional or pumped-storage hydropower. According to the Foundation's Executive Director, Linda Church-Ciocci, "These new Fellows, representing a new generation of hydropower specialists, will provide for exciting new research for the industry.

The fellowships include a generous tuition allowance, living stipend, professorial honorarium, and participation in Hydro Fellows Roundtables. According to Program Manager Deborah M. Linke, another call for proposals will be issued later in 2010 that will be more focused on hydropower engineering and from that, a second round of fellows will be selected in late Fall 2010. The Hydro Research Foundation was established in 1994 and became an independent non-profit corporation under section 501(c)(3) of the Internal Revenue Code in 1996. The Foundation has two principal objectives: (1) to facilitate research; and (2) to promote educational opportunities related to hydropower. More information about the Hydro Research Foundation can be found at www.hydrofoundation.org.