



HYDROTECHNICAL ENGINEERING

PhD Theses

Current as of May 2007

| YEAR | THESIS TITLE | AUTHOR | SUPERVISOR(S) |
|------|---|----------------------|--------------------------|
| 2007 | A Reinforcement Learning Algorithm for Operations Planning of a Hydroelectric Power System | Abdalla, Alaa Eatraz | Z. Shawwash & A. Russell |
| 2007 | Data Assessment and Utilization for Improving Asset Management for Small and Medium Size Water Utilities | Wood, Andrew | B. Lence |
| 2006 | Two-Dimensional Finite Element River Morphology Model | Vasquez, J. A. | R. Millar |
| 2004 | Water Resources Data Quality Assessment and Description of Natural Processes Using Artificial Intelligence Techniques | Lauzon, N. | B.Lence |
| 2003 | Hydraulic roughness and Stability of Self-formed Gravel Beds | Martin, V. | R. Millar/M. Quick |
| 2003 | Optimization of the Operation of a Two-Reservoir Hydropower System | Nash, G. A. | S.O. Russell |
| 2002 | Non-invasive Measurement of Fluvial Bedload Transport Velocity using an Acoustic Doppler Current Profiler | Rennie, C. D. | R. Millar |
| 2002 | Hydraulic and Design Aspects of Natural and Constructed Riffles in Gravel-Cobble Bed Rivers | Walker, D. R. | R. Millar |
| 2000 | An Evaluation of Highway Stormwater Runoff Quality in The G.V.R.D. | Onwumere, G. | S.O. Russell |
| 2000 | A Decision Support Systems of Real-Time Hydropower Scheduling in a Competitive Power Market Environment | Shawwash, Z. K. | S.O. Russell |
| 1998 | Intense Bedload Transport in Non-Uniform Flow | Kinfu, Y. | M. Quick |
| 1996 | Uncertainty Analysis in Nonpoint Source Water Quality Management | Yulianti, J. S. | B. Lence |