



Hydrology Seminar



Eco-Environmental HydroInformatics: Applications in HydroScience and Engineering

Dr. Arthur E. Mynett

Delft Hydraulics Laboratory, Netherlands

The speaker will have given this keynote address at the 7th International Conference on Hydroscience and Engineering in Philadelphia on 13 September 2006.

Additional topics:

- Genetic Programming for deriving variable roughness formulations that can be used for flood wave prediction in SOBEK (Delft's 1D, 2-D and 3-D hydraulic modeling system) and FEWS (which is currently being tested as the basis for CHPS)
- Individual Based Modelling to predict population dynamics due to invading mussel species in the Mississippi River
- Ensemble Kalman Filter and + Artificial Neural Networks emulation of SOBEK for rapid flood prediction

Date: Friday, September 15, 2006

Time: 1:00 P.M.

Location: NWS Headquarters
1325 East West Highway, SSMC#2, Room 8246
Silver Spring, Maryland

Contact: Pedro Restrepo
Pedro.Restrepo@noaa.gov

