



## **The use of hydro-dynamic models in the practice-oriented education of engineering students**

J. Sziebert, L. Zellei, and E.A. Tamás

Eötvös József College Technical Faculty, Institute of Hydraulic engineering and Water management, Spec. group of Water management, Baja, Hungary

Management tasks related to open channel flows became rather comprehensive and multi-disciplinary, particularly with the predominancy of nature management aspects. The water regime of our rivers has proven to reach extremities more and more frequently in the past decades. In order to develop and analyse alternative solutions and to handle and resolve conflicts of interests, we apply 1D hydro-dynamic models in education for the explanation of processes and to improve practical skills of our students.