

Minutes of the Annual Meeting of the Eco Hydraulics Technical Committee

(May 22, 2006, Hilton Omaha Hotel, Omaha, Nebraska)

Attendance list:

C. Frei, R. Morrison, M. Stone, D. Thurman, J. Schwartz, E. Herricks, G. Constantinescu (new secretary), V. Neary (past chair), F. Lin (new vice-chair), W. Wu and D. Lyn (past chair).

Meeting minutes by George Constantinescu

-Introduction of members present at the meeting

-The mission statement of the committee is given in the forum article and available via the committee website. Mission statement should be reviewed annually.

-Remarks on travel reimbursements: the procedure for travel reimbursements for committee meetings was discussed

Report of past chair (V. Neary):

-committee website

-the PAES process: a means of keeping track of the activities within EWRI, the ecohydraulics committee and each task committee should submit a PAES form

-The review of the task committee activities will be send to Doug Shields

-presentation of active task committees

Active Task Committee: In stream structures for aquatic habitat restoration (Chair: George Constantinescu, U. Iowa)

- deals with experimental and numerical studies of flow and transport processes around in stream structures that play a role in river restoration
- a more detailed description of the task committee goals, areas of interest and present membership is appended with the present minutes. Members interested in participating or knowing other people that may be interested should contact George (sconstan@engineering.uiowa.edu).
- A forum article in the Journal of Hydraulics Engineering outlining the mission and interests of the task committee is under works. George Constantinescu and Vince Neary will lead the effort in preparing the draft and will consult with the other members.
- The committee will try to recruit non-engineers members (e.g., fish biologists)
- A conference poster session related to the task committee activities was organized by Vince Neary and George Constantinescu at the EWRI Omaha Meeting. Another session will be organized in Tampa 2007.

Proposed Task Committee: Fish passage (Chair: Mark Stone, DRI).

- Mark expressed an interest in proposing such a task committee and will work toward bringing new members in.

Other possible topics discussed for new task committees included Thermal hydraulics and Ecological Modeling. If somebody is interested they should contact the Chair.

An important topic was the discussions related to strengthening the links between our EWRI committee and the IAHR Ecohydraulics committee (e.g., maybe co-sponsoring sessions at conferences, etc.). Establishing links with the American Fisheries Society (or other relevant professional organizations) might also be sought.

Action item: contact Klaus Jorde, the chair of the IAHR Committee at Univ. Idaho.

Several participants mentioned that an important activity the committee may get involved with will be the development of fundamental metrics to deal with fish.

Ed Herricks identified other possible areas of interest for the committee related to eco-hydraulics and eco-hydrology. A power-point presentation was made available to the committee as a starting point for discussions. The presentation will be made available to the members by posting it on the committee web page.

Several participants also mentioned the need to better coordinate our activities to those of several other ASCE-EWRI committees that are pursuing similar goals (e.g., co-sponsoring task committees). An Ecohydraulics conference will be organized next year in New Zealand.

The committee will try to sponsor a full track at the next EWRI conference in Tampa, FL.

ECOHYDRAULICS TRACK for Tampa 2007. Proposed technical sessions:

Ecohydraulics Modeling (Andrew Goodwin, USACE, Portland)
Ecohydrology (Vince Neary, Tennessee Tech)
Fish passage (Mark Stone, DRI)
In stream structures for aquatic habitat restoration (George Constantinescu, U. Iowa)

The list was sent by Vince to Karen Kabbes.

Fangbiao Lin (Northwest Hydraulics Consultants) the committee vice-chair explained that a new secretary and two new control members are needed. Fangbiao Lin and Vince Neary explained the normal practice regarding the rotation of officers of a committee.

George Constantinescu from Univ. Iowa was elected secretary. It was proposed that Weiming Wu from Univ. Mississippi and Marc Stone from DRI will be the new control members of the eco-hydraulics committee.

New Members: Mark Stone mark.stone@dri.edu Desert Research Institute
Ryan Morrison rmorrison@wsu.edu Washington State Univ.
Chris Frei Christopher_frei@wsu.edu Washington State Univ.
Edwin Herricks herricks@uiuc.edu U Illinois
John Schwartz jscwartz@utk.edu U. Tennessee