Special Issue

Advances in River Ice Research

Message from the Guest Editor

River ice is an essential element in hydraulic and hydrological engineering in cold regions. River ice evolution involves thermal and mechanical processes not covered in traditional river hydraulics. Additionally, river ice could have essential effects on channel morphology. This phenomenon has become more important in the Arctic and other regions with permafrost due to the influence of climate change. Over the last 50 years, river ice research has matured with significant recent advances. This Special Issue will include all aspects of river ice hydraulics and hydrology, the impacts of river ice on the environment and ecology, and the effect of climate change on ice processes. Advances in laboratory, field, analytical methods, and case studies will be considered.

Guest Editor

Prof. Dr. Hung Tao Shen

Department of Civil and Environmental Engineering, Clarkson University, Potsdam, NY 13699-5710, USA

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Editor-in-Chief

Prof. Dr. Steven R. Fassnacht
Watershed Science Program in the Department of Ecosystem Science
and Sustainability, Cooperative Institute for Research in the
Atmosphere, Colorado State University, 1231 Libby Coy Way, Fort
Collins, CO 80523-1476, USA

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