JOINT COMMITTEE ON FISHERIES ENGINEERING AND SCIENCE

2015 Webinar Series

PRESENTER BIOGRAPHY

Dr. Ted Castro-Santos is a Research Ecologist with the United States Geological Survey S.O. Conte Anadromous Fish Research Center, and an Adjunct Assistant Professor in the Biology Department at the University of Massachusetts Amherst. He has published extensively on fish swimming performance, behavioural responses to hydraulic conditions, and quantitative methods for identifying and characterizing barriers to movement.

WEBINAR INFORMATION

Date: January 13, 2015
Time: 1:30p EST | 12:30p CST | 10:30a PST
Duration: 60 Minutes
Webinar Platform: WebEx

When it is time to attend the meeting, please visit this link: https://usgs.webex.com/usgs/j.php?MTID=m78674996432a68590501c621c0c53a22

Teleconference: DOI and Callers outside US, please dial: 703-648-4848

Non-DOI can use the toll-free number: 855-547-8255

Conference Security Code: 80573

SAFE TIMELY AND EFFECTIVE FISH PASSAGE: THREE REQUIREMENTS, TWO CONCEPTS, ONE STANDARD?

Dr. Ted Castro-Santos

USGS Conte Anadromous Fish Research Center, Turners Falls, MA

US regulatory guidelines require that hydroelectric facilities provide passage for both juvenile and adult fish in order to maintain the license to operate, and that this passage be, "safe, timely, and effective." However, these three terms can be defined in multiple ways and disagreement over their interpretation can hinder management efforts and frustrate dam owners.

In this 60-minute webinar Dr. Castro-Santos will explore these concepts drawing on case studies to argue for a single standard that includes all three. Combining field studies and movement theory he will show how expedited passage through safe routes is a sufficient definition for effectiveness, providing a comprehensive and adaptive framework for improving passage performance globally.

The Joint Committee on Fisheries Engineering and Science is hosting a free webinar series as part of its mission to engage scientists and engineers on topics related to fish passage. The Committee consists of members of the American Fisheries Society Bioengineering Section (AFS-BES) and the American Society of Civil Engineers Environmental and Water Resources Institute (ASCE-EWRI). It was established in January 2011 to foster communication between the two groups, provide opportunities for engineers and biologists to share relevant knowledge and learn from one another, and to collaborate on projects related to fish passage.

Please RSVP and direct any questions or comments to Abigail Archer at fisheriesengineeringscience@gmail.com