



# West Virginia Geological and Economic Survey

## *Colloquium Series*

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Presents

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Date: **Tuesday October 25, 2011**

Place: [West Virginia Geological Survey, 1 Mont Chateau Rd, Morgantown, WV](#)

Presentation: **Begins at Noon**

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## **REACH-SCALE INFLUENCE OF RIPARIAN VEGETATION ON HEADWATER CHANNEL MORPHOLOGY**

A strong link exists between riparian vegetation and channel morphology. Small streams (watershed area < 100 km<sup>2</sup>) with forested riparian vegetation are significantly wider than similar streams with herbaceous riparian vegetation. Additionally, channels with grass vegetation migrate at a greater rate than similar forested channels. Increased understanding of the interactions between stream channel morphology and riparian vegetation is needed to guide stream management and restoration decision-making. This talk will examine the role of riparian vegetation form on the hydraulic forces applied to the streambank, and will introduce current research projects at WVU.