



# THE LABORATORY OF TREE-RING RESEARCH

presents a talk by

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## *Probing the Error Term in Streamflow Reconstruction*

Wednesday, November 4, 2015 - 12:00pm to 1:00pm

Room: Bannister 110

Water balance models were first applied indirectly by tree-ring researchers in reconstructions of Palmer Drought Severity Index in the mid-1970s. Recent years have seen more direct and explicit use of water-balance models. This talk explores how a simple monthly water-balance model can be applied to diagnose possible causes of large errors in reconstructions of streamflow. The setting for the case study is the Chemora River Basin, a small (<800 km<sup>2</sup>.) watershed in northeastern Algeria with nearby climate-sensitive tree-ring chronologies and short records of precipitation and gaged flow.