AG. HALL 314 | JANUARY 30, 3-4PM

SCHOOL OF BIOSYSTEMS AND AGRICULTURAL ENGINEERING
College of Engineering, Architecture and Technology

BAE SEMINAR SERIES

Using hydrologic models as decision support tools in engineering applications

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ABSTRACT

Hydrologic models are often used in water resources planning and management. These models simulate the storage and movement of water and pollutants in watershed features, including soils, the landscape, aquifers, channels, reservoirs, and canals. In this presentation, I provide an overview of several ongoing projects in Colorado in which hydrologic models are used as decision support tools for engineering solutions. These projects assess changes in irrigation practices in the Upper Colorado River Basin, and selenium and salinity contamination in the Arkansas River Basin. In each project, modeling results can be used to inform policy decisions at the state level.