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**SCOTT LUNNEY**, University of Victoria  
*Broadcasts and Domination in Trees*

A broadcast on a graph  $G$  is a function  $f : V(G) \rightarrow \{0, 1, 2, \dots, \text{diam}(G)\}$ . The broadcast number of  $G$  is the minimum value of  $\sum_{v \in V} f(v)$  among all broadcasts  $f$  for which each vertex of  $G$  is within distance  $f(v)$  from some vertex  $v$  with  $f(v) \geq 1$ . The broadcast number is bounded above by the radius and by the domination number.

I will explore trees for which the broadcast number is equal to its domination number.