

# OPEN NEIGHBORHOOD LOCATING-DOMINATING SETS

PETER SLATER

*University of Alabama in Huntsville, USA*

Vertex set  $S = v_1, v_2, \dots, v_t$  in graph  $G$  is an open neighborhood locating-dominating set if  $\{N(v_1), \dots, N(v_t)\}$  is distinguishing, that is, for each vertex  $v$  in  $V(G)$  the open neighborhood  $N(v)$  has a unique non-empty intersection with  $S$ . Introductory results and open problems will be presented.