Schlicker Steven* (schlicks@gvsu.edu), Department of Mathematics, 1 Campus Drive, Grand Valley State University, Allendale, MI 49401-9403. Integer Sequences from Polygonal Chains in the Geometry of Compact Sets.

The Hausdorff metric geometry provides fertile ground for much interesting and surprising mathematics. In this session, we will explore the concept of betweenness in this geometry and introduce a three-parameter family of new integer sequences that arise from special types of line segments defined by polygonal chains. (Received August 26, 2008)