1100-37-152   **David Samuel Simmons*** (`simmons.465@osu.edu`), 231 W. 18th St, Columbus, OH 43210.
Geometry and dynamics of groups acting on Gromov hyperbolic metric spaces.

In this talk, I will discuss two theorems about groups acting by isometries on Gromov hyperbolic metric spaces. The first theorem is a generalization of a theorem of Bishop and Jones ('97) and Paulin ('97) to this setting. The second is a construction of Patterson-Sullivan measures in a setting where compactness is not assumed. Both theorems are part of an ongoing collaboration with Tushar Das (University of Wisconsin - La Crosse) and Mariusz Urbański (University of North Texas). (Received February 06, 2014)