1086A0-113 **Cynthia Woodburn\*** (`cwoodburn@pittstate.edu`), Mathematics Department, Pittsburg State University, 1701 S. Broadway, Pittsburg, KS 66762. *Geometry and Baroque Architecture in Turin, Italy.* Preliminary report.

This talk will focus on the work of Guarino Guarini: a priest, mathematician and architect of the 1600's, who designed many buildings in Turin, Italy and other European cities. As a mathematician, Guarini studied and wrote about geometry, and then he applied his knowledge to architecture. He is especially known for the use of curvature and projection, and his buildings served as a model for future architects. Included in the talk will be pictures from several Guarini buildings visited during the 2012 MAA Study Tour of Italy. (Received July 22, 2012)