

1145-VM-2001 **Mark Medwid*** (mmedwid@ric.edu), Mathematics and Computer Science Department, Rhode Island College, Providence, RI 02908, and **Xiangdong Xie**. *Rigidity of Local Quasisymmetric Maps on Fibered Spaces*.

In this talk we will discuss the notion of a fibered metric space and its analogue in the Carnot group setting. We shall also discuss quasiconformal and quasisymmetric mappings. Often, if quasiconformal (or quasisymmetric) mappings preserve some additional structure, they are forced to be biLipschitz. We will give conditions under which a fiber-preserving quasisymmetry between open subsets of fibered metric spaces is locally biLipschitz. (Received September 24, 2018)