1077-94-1865 **Qiyu Sun\*** (qiyu.sun@ucf.edu), Department of Mathematics, University of Central Florida, Orlando, FL 32816. A nonlinear sampling problem about signals with finite rate of innovation. Preliminary report.

In this talk, I will discuss the problem how to locally identify innovation positions of signals in a perturbed shift-invariant space. (Received September 21, 2011)