Ehssan Khanmohammadi* (ehssan@fandm.edu) and Keivan Hassani Monfared. A
Structured Inverse Eigenvalue Problem for Infinite Matrices. Preliminary report.

In their 2013 paper [Linear Algebra Appl. 438 (2013) 4348–4358] Hassani Monfared and Shader proved that for a given set of $n$ distinct real numbers $\Lambda$ and a given graph $G$ on $n$ vertices, there exists a symmetric matrix whose graph is $G$ and its spectrum is $\Lambda$. In this talk we show analogous results hold when the set $\Lambda$ and the graph $G$ are infinite. (Received September 22, 2015)