1167-47-238 **Stephen Shipman***, 303 Lockett Hall, Baton Rouge, LA 70803. *Localization in the continuous spectrum of multilayer Schrödinger operators.*

This talk will describe how spatially localized defects in periodic operators can result in eigenvalues in the continuum, or spectrally embedded bound states. This is of course prohibited for periodic Schrödinger operators in $\mathbb{R}^n$. But for multi-layer models, particularly on graphs, localization in the continuum is possible. This is intimately related to the reducibility of the Fermi variety (but not necessarily the Bloch variety) at the energies of localization. (Received March 08, 2021)