

**SPEAKER:**

Landon Gauthier, University of Kentucky

**TITLE:**

Solving the Perturbed Polyharmonic Operator

**ABSTRACT:**

In this talk, I will construct CGO solutions to a perturbed polyharmonic operator. This is done using an extension of the results by Haberman and Tataru (2011) for the harmonic operator. The main interest is proving an estimate in a suitable space for the solution.