

Texas Tech University. Applied Mathematics Seminar.

**FINITE ELEMENT COMPUTATION OF
ELECTRONIC STRUCTURE IN COMPLEX
GEOMETRY**

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Room: MA 112, Time: 4:00pm

ABSTRACT. I will discuss some of my recent work on developing simulation methods for nanoscale devices, in particular, methods for solving the self-consistent Schrodinger-Poisson equation in complex geometry. This work is in collaboration with Rick Muller and Bart van Bloemen Waanders of Sandia National Laboratories.