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Dr. Denis Ridzal
Sandia National Laboratory
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Dr. Ridzal:

I am a fifth year Ph.D student in Computational Science, Engineering, and Mathematics at the University of Texas at Austin. Pavel Bochev recommended I apply to the von Neumann Fellowship as an ideal way to begin a research career at Sandia. I already have a good deal of experience with the DOE labs through several summers working with Tzanio Kolev and Rob Rieben at LLNL on my Master's thesis and I feel like I would be right at home working on the unique scientific challenges that Sandia faces. I'm especially excited by the prospect of doing research that is so vital to the future energy and security demands of our nation.

My Ph.D. research on stabilized finite element methods for multi-physics applications has led me to develop a set of skills and domain of knowledge that I believe could be best put to use at one of the national labs. In particular, I believe that the research I am conducting for my dissertation, given further development, could be a valuable asset for the types of simulations prevalent in energy research, particularly the high energy density physics simulations at the core of NNSA's stockpile stewardship mission.

I look forward to discussing how I might complement Sandia's mission. Thank you for your time and consideration.

Sincerely,

Truman Everett Ellis

encl: Curriculum Vitae, Research Statement