

**Best Paper Award**

"Albedo Boundary Condition Algorithms for a Diffusion Code," presented at the 1986 ANS Western Regional Student Conference, Oregon State University, April 1986.

"Theoretical Analysis of the Gamma Detector Data from the TMI-2 Reactor Lower Head," American Nuclear Society Summer Meeting, San Diego, CA (June, 1988)

"New Vector/Parallel Algorithms for the Two-Dimensional Curvilinear Sn Methods," International Topical Meeting on Advances in Mathematics, Computation, and Reactor Physics, Pittsburgh, PA (April 1991) [supervised and provided direction to the student who received the one the best student paper awards, presented by R. Mattis].

"Estimation of Neutron Source Uncertainties in Pressure Vessel Fluence Calculations," American Nuclear Society Winter Meeting, San Francisco, CA (Nov., 1993)

"Benchmarking of Synthesized 3-D Sn Transport Methods for Pressure Vessel Fluence Calculations with Monte Carlo," International Conference on Mathematics and Computations, Reactor Physics, and Environmental Analyses, Portland, Oregon (April 30 - May 4, 1995)

Sjoden, G.E. received the 1st place award (College of Engineering), Penn State Graduate Research Exhibit, Spring 1996.

"Development of the Regional Angular Refinement and its Application to the CT-Scan device,

American Nuclear Society Summer Meeting, Hollywood, FL (June 2002).

"Developing an Expert System for Preparing an Effective Mesh Distribution for the Sn Method in the Parallel Environment, 11<sup>th</sup> International Symposium on Radiation Dosimetry (2002 ISR), Aug. 17-21, 2002, Brussels, Belgium.

"Development of the ADEIS Variance Reduction Methodology for Coupled Electron-Photon Transport," Proceedings of MC2005 Conference, April 4-7, 2005, Chattanooga, TN