

Kevin A. Makinson

PhD Candidate

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Education:

Oregon State University Corvallis, OR

Anticipated June 2013

Pending Ph.D. in Radiation Health Physics

Oregon State University Corvallis, OR

August 2009

Master of Science in Radiation Health Physics; Thesis: "Tissue Weighting Factors for Radiation Protection: Derivation and Parametric Analysis"; D. M. Hamby, Advisor. Thesis available online at: <http://ir.library.oregonstate.edu/xmlui/handle/1957/12111>.

The College of Idaho Caldwell, ID

June 2007

Bachelor of Science with majors in Physics and Math and minor in computer science

Primary Research Interests:

- Currently researching parallel Run-Ahead Predictive Simulations (RAPS) using probabilistic risk analysis for nuclear power plant control rooms. Developing computer analysis to dynamically interpret plant data and predict faster-than-real-time outcomes and risks.
- Uncertainty/sensitivity analysis of ICRP 26, 60, and 103 tissue weighting factor data; values were compared and determined that tissue weighting factors have not statistically changed in 30 years. Project culminated with Master of Science degree.
- Monte Carlo modeling of proton therapy for ocular cancer. Project presented at 2009 Health Physics Society Meeting; Pittsburgh, PA.