

University of Tennessee Grants and Contracts as Principal Investigator

UT-Batelle Oak Ridge National Laboratory, "Uncertainty Evaluation and Documentation of ORNL Experimental Data for ICSBEP Handbook Submission," Dec-2007-May.2008. Lead-PI (co-PI is Dr. Ron Pevey).

University of Maryland, "Consortium on the Development of a Joint US-Russia Educational Program on Advanced Energy Technologies," Nov. 2007-Oct. 2010 (parent contract is with US Dept. of Education). Sole-PI.

University of Cincinnati, "BWR Assembly Optimization for Minor Actinide Recycling," Jan. 2008-Sep.2009. Sole-PI of subcontract and of parent DOE contract.

UT-Batelle Oak Ridge National Laboratory, "Joint Faculty Appointment - Various Projects" Aug-2007-Apr-2010. Sole-PI.

UT-Batelle Oak Ridge National Laboratory, "Development of Nuclear Reactor Models." Jun-2008-Dec-2009. Sole-PI.

Los Alamos National Laboratory, "Development of Multi-physics Software for Advanced Reactor Design, Jan. 2008-Dec. 2009. Sole-PI.

US Nuclear Regulatory Commission, "Development of SCALE-based Educational Modules to Innovate Reactor Physics and Criticality Safety Curricula," Sep.2008-Aug.2010. Lead PI in collaboration with TAMU.

US Nuclear Regulatory Commission, "US NRC Undergraduate Scholarship Program for Excellence In Nuclear Education at the University of Tennessee," Aug.2008-Jul.2010. Lead PI (Co-PI is Dr. Lee Dodds)

US Nuclear Regulatory Commission, "US NRC Graduate Fellowship Program for Excellence In Nuclear Education at the University of Tennessee," Aug.2008-Jul.2012. Lead PI (Co-PI is Dr. Lee Dodds)

UT-Batelle Oak Ridge National Laboratory, "High Fidelity Neutronic and Depletion Simulations for the High Flux Isotope Reactor," Sep.2008-Dec.2009. Sole PI.

US Nuclear Regulatory Commission, "US NRC Graduate Fellowship Program to Promote Diversity in Nuclear Education at the University of Tennessee," Aug.2009-Jul.2013. Lead PI (Co-PI is Dr. Lee Dodds)

UT SARIF Equipment and Infrastructure Awards, "Development of Computational Infrastructure for HTGR Safety and Licensing Simulations in Research and Education," Nov. 2009. Sole PI.

UT/ORNL JDRD Science Alliance, "Revolutionary Radiation Transport for Next Generation Predictive Multi-Physics Modeling and Simulation," Jan.2010-Dec.2010. Sole PI.

UT-Batelle Oak Ridge National Laboratory, "Three-Dimensional Kinetic Simulations for the High Flux Isotope Reactor," Jan.2010-Dec.2010. Sole PI. (Award in Progress)

UT-Batelle ORNL, "Nuclear Analysis and Fuel Performance Code Evaluations," Jan.2010-Jun.2010. Sole PI. (Award in Progress).

University of Tennessee Grants and Contracts as Co-Principal Investigator

US Nuclear Regulatory Commission, "Faculty Development Grant," 2009-12, Co-PI with H.L. Dodds (PI), L. Heilbronn, J. Hayward, and Haitao Liao.

UT-Battelle Oak Ridge National Laboratory, "Development of a Nuclear Security Science and Analysis Certificate Program," 2008-2010, Co-PI with J. P. Hayward (PI).

Department of Energy, "Improvement in Capability of UTNE to Support GNEP R&D Programs," 2007-2009, Co-PI with Prof. Ron Pevey (PI) and Prof. Larry Miller (co-PI).