

Klaus H. Guber

Employment

- 2003 to present** Senior Staff member in the Reactor and Nuclear Systems Division of the Oak Ridge National Laboratory
- 2002 – 2003** TÜV Energie und Systemtechnik GmbH, Mannheim, Germany, consultant for risk assessment.
- 1997 – 2002** Staff member in the Nuclear Science and Technology Division of the Oak Ridge National Laboratory
- 1994 - 1997** Post-doc in the Physics Division of the Oak Ridge National Laboratory.
- 1994** Post-doc of the Joint European Institute for Transuramics, Karlsruhe, Germany
- 1988 – 1992** Nuclear Research Center Karlsruhe, Germany, research physicist

Education

- 1993** University of Karlsruhe Germany, Ph.D. Nuclear Physics
- Thesis: Experimental Determination of the Stellar Neutron Capture Cross Sections of ^{148}Sm and ^{150}Sm and the Consequences for the s-Process (explanation of the origin of the heavy elements).
- 1980 – 1988** University of Karlsruhe Germany, Diploma, Majors nuclear and subatomic physics, and relativity
- These studies were concluded with a thesis related to the Karlsruhe 4π -BaF₂ Detector: Optimization of its individual detector modules and experimental measurements.
- 1967 – 1979** European School Karlsruhe, Germany; European baccalaureate

Publications

38 publications in peer-reviewed journals, 87 conference presentations, 18 invited conference presentations and seminar talks, 12 lab reports.

Awards received

- *Lockheed Martin* Corporate NOVA Award 1998;
- Technical Achievement Award 1998 from *Lockheed Martin Energy Research Corp. and ORNL*;
- Author of the Year 1998 of *Lockheed Martin Energy Research Corp. and ORNL*
- *NNSA Award in 2007* for Successful Restoration of ORELA operations.

Languages

Fluent in German, English, and French, basic Italian

Professional Activities

Referee for Nuclear Science and Engineering, European Physical Journal
Reviewer for research proposals in the Oak Ridge National Laboratory
Reviewer for *Nuclear Energy Research Initiative* (NERI) of the DOE
Member of the NPAC at LANSCE 2007 and 2008.