

Curriculum vitae

Born June 26, 1949 at Berchtesgaden, Germany; German citizen

1974

Diploma in Physics (University of Munich)

1975-1980

Scientist at Physik Department E15, Technische Universität München (TUM). Applications of nuclear resonance (Mössbauer effect) in solid state physics and pharmacy.

1979

Scientist at the research reactors FRM I and FRM II, TUM, at Garching/Munich.
General topics: Physical and biological dosimetry, applications of a fast neutron beam in cancer therapy, and technical applications of fast neutrons.

Member of the "European Concerted Action on Boron Neutron Capture Therapy"

Cooperation with the Obninsk Institute of Atomic Energy (ИАТЭ), sponsored by Volkswagenwerk

Supervisor of a number of master theses

Speaker at many international conferences. Guest talks at institutes in Moscow, Dubna, Tomsk, Kyiv, Sao Paulo, Santiago de Chile

Author or co-author of about 80 publications.

1985-1989

Several trips for implementing Mössbauer equipment in China, Albania, Egypt, and Russia.

1989-2006

Additionally, radiation protection officer at FRM I and FRM II

1994-2005

Member of the controlling staff for the commissioning of the new high flux research reactor FRM II; especially concerning the fast neutron beam and radiation protection. Involved in PR work.

March 2004

First criticality of FRM II. Responsible for the new fast neutron beam at beam tube SR10. Mixed-field spectrometry, applications of fast reactor neutrons in biology and materials testing.

2007 - 2017

Appointed medical physics expert for fast neutron medical therapy at FRM II. In parallel scientific work, e.g., delayed and prompt neutron activation analysis using thermal and cold

neutrons, fast neutron radiography, radiation biology, research on Boron Neutron Capture Therapy, and cooperation with industrial users.

2017

Retirement

since 2019

Member of Company r.e.m. (Radiation – Environment - Management)

<https://www.radenv.net/>

since 2020

Co-Editor of the peer reviewed journal “Nuclear Engineering Progress, <https://nep.nstri.ir/>