

Curriculum Vitae

Personal information



First name / Surname **Prof.Dr. rer.nat.habil. Friedrich Hoyler**

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Nationality German

Date of birth October 30th, 1952

Place of birth Stuttgart

Work/Research experience

- | | |
|-------------------|---|
| 2018 - today | After retirement continuation as course instructor in radiation protection courses at Aachen University of Applied Sciences (AcUAS), University of Tübingen, and other course providers. |
| 2018 – 31.12.2020 | Member of the Board of the German association of radiation protection (Fachverband für Strahlenschutz) (www.fs-ev.org) |
| 2014 - today | Member of the Board of EUTERP. EUTERP (www.euterp.eu) is an international foundation promoting the harmonization of education and training in radiation protection within Europe |
| 2011 - today | Member of the examination board for the vocational education of radiation protection workers in nuclear industry (examination organized by the IHK Aachen) |
| 2006-Aug. 2018 | Coordinator of the cooperation between RWE Power AG and AcUAS. This cooperation was established in the framework of the German initiative to preserve competence in nuclear techniques (Kompetenzverbund). The research centre of Jülich and the technical university of Aachen (RWTH) are further partners in this joint effort. |
| 2005-Aug. 2018 | Together with colleagues from Valencia (UPV), Prague (CVUT), Bruxelles (ISIB), Diepenbeck (XIOS), Bologna (Alma Mater Studiorum), and other European universities foundation of the educational network CHERNE (Collaboration for Higher Education and Research in Nuclear Engineering, www.upv.es/cherne) |
| 2001-Aug. 2018 | Original member and president of the association "Aachen Institute of Applied Sciences" (AcIAS) which helps to organize and finance research, continuous education projects, and development of new study courses at the AcUAS. |
| 2000-Aug. 2018 | Coordinator of the joint study course in mechanical engineering of AcUAS and the Universidad Technica Federico Santa Maria in Valparaiso Chile. |
| 1998-Aug. 2018 | Responsible for continued education at the AcUAS. Main activities in providing courses in radiation protection according to German legislation. About 60 courses per year with more than 1200 participants and around 35 lecturers from the Jülich research centre, authorities, universities, and hospitals. Courses for technical staff from power plants in developing countries. Courses in modern software techniques. |
| 1994-Aug. 2018 | Professor at the AcUAS in the field of physics/nuclear physics. Teaching areas: Introductory physics, nuclear physics, nuclear applications in industry, research, and medicine, nuclear measurements, radiation protection. The lectures at the Master and Bachelor level are also taught in English. Head of the laboratory for nuclear techniques equipped with many instruments for radiation detection and a wide range of sealed radioactive sources and X-ray devices. Collaborations with many industrial and academic institutions in Germany, France, Spain, Italy, Chile, and India. Reduced activity in publication since many R&D projects are confidential. |

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- 1994 French Habilitation for an application at CNRS Strasbourg.
- 1987-1994 "Hochschulassistent" at the Institute of Physics at the University of Tübingen. German Habilitation 1994 in experimental physics on a thesis in nuclear structure (mainly neutron capture gamma-ray spectroscopy and inelastic alpha-scattering experiments). Numerous publications in peer reviewed journals in the field of nuclear structure. Experimental work conducted at "Institut Laue-Langevin" (ILL) Grenoble, Paul-Scherrer-Institute, German universities Bonn, TU-München, and Heidelberg. Many contacts to scientists from European countries but also to scientists from Moscow, Petersburg (Gatchina) and Riga.
- 1985 Visiting scientist at the Brookhaven National Laboratory (BNL) for 6 months. Average Resonance Capture (ARC) studies at the HFBR of BNL.
- 1982-1987 Instrument responsible at the High-Flux-Reactor of the ILL in Grenoble. Research and instrument development using bent crystal spectrometers, magnetic spectrometers for conversion electrons, and HPGe-detectors in nuclear spectroscopy using the thermal neutron capture reaction.

Education and training

- 1979-1982 PhD (summa cum laude) from the University of Tübingen, Physics Institute with studies on nuclear reaction mechanism. Projects. More specifically the mechanism of the (p,α) -reaction on sd-shell nuclei and its description using a microscopic model of the direct reaction mechanism. Experiments on accelerators in Heidelberg, Hamburg, and mainly the JULIC cyclotron in Jülich.
- 1978-1979 Diploma thesis on the (p,α) -reaction on ^{23}Na and ^{27}Al at the JULIC cyclotron and at Heidelberg.
- 1972-1979 Diploma study in Physics at the University of Tübingen
- 1971-1972 Military service as pioneer in Ulm and Passau.
- 1963-1971 Ludwig-Uhland Gymnasium in Kirchheim/Teck, Germany with modern language oriented studies (Latin 7y, English 7y, French 6y)

Personal skills and competences

Mother tongue **German**

English Understanding, speaking, reading *-very good-* writing: *very good*

French Understanding, speaking, reading: *very good* - writing: *good*

Social skills and competences Married since 1975 with Dr. Annerose Hoyler-Herrmann (psychoanalyst) and father of three grown-up children (1982, 1984, 1986) and grandfather of (at the moment) 8 grandchildren

Organisational and technical skills and competences Many of experience in organizing seminars, conferences, and programs in continuous education. Running a laboratory with technical equipment and radioactive materials and neutron sources. Managing the budget for the laboratory, the research projects, and the personal connected to it.

Computer skills and competences TR440, Unix, RSX-11M, to VAX-VMS, DOS, many generations of Windows and Linux using office software, nuclear theory codes (DWUCK-V), Monte-Carlo, Fortran, Pascal, C, Python, HTML...

Artistic skills and competences Play the piano for leisure

Other skills and competences Like skiing, hiking, swimming

Date: January, 26th, 2021

Friedrich Hoyler

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