CURRICULUM VITAE

Personal Information | **Dr. Anno Hein**

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Education and training

Mar 1993 – Nov 1996	PhD (Dr. rer. nat.) at the Helmholtz-Institut für Strahlen- und Kernphysik, University of Bonn with the subject *Total reflection X-ray fluorescence analysis with synchrotron radiation* (supervisor: H. Mommsen)
Oct 1987 – Feb 1993	Studies of Physics and Informatics at the University of Bonn, Diploma thesis (degree: Diplomphysiker) at the Helmholtz-Institut für Strahlen- und Kernphysik (1992–1993)

Work experience

from Oct 2014	Senior Researcher (Grade B) at the Institute of Nanoscience and Nanotechnology (INN), N.C.S.R. "Demokritos
Oct 2010 – Sep 2014	Researcher (Grade C) at the Institute of Materials Science, N.C.S.R. "Demokritos"
Oct 2008 – Jul 2010	Associate at the Department of Physics, Chemistry & Materials Science, TEI of Athens
Apr 2006 – Oct 2010	Research Associate in various European research projects (at N.C.S.R. "Demokritos", University of Athens and TEI of Athens), e.g. the FP6 INCO project *PROMET* with responsibilities in financial and administrative management of the international consortium
Mar 2002 – Mar 2006	Associate Researcher (Grade D) at the Institute of Materials Science, N.C.S.R. "Demokritos"
Jul 1998 – Jan 2002	Post Doctoral Researcher at the Institute of Materials Science (IMS), N.C.S.R. "Demokritos" in the framework of the European TMR network *GEOPRO*
Jan 1998 - Jul 1998	Software developer (Mosaic Software Systems, Meckenheim, Germany)
Aug 1993 – Aug 1997	Associate Researcher at the Helmholtz-Institut für Strahlen- und Kernphysik, University of Bonn
Jun 1992 – Aug 1993	Assistant at the Helmholtz-Institut für Strahlen- und Kernphysik, University of Bonn (laboratory courses)

Skills and competences

Mother tongue German

Other languages

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	C2: Proficient User	C2: Proficient User	C2: Proficient User	C2: Proficient User	C2: Proficient User
Greek	C1: Proficient User	C1: Proficient User	C1: Proficient User	C1: Proficient User	C1: Proficient User
Dutch	B1: Independent User	B2: Independent User	A2: BasicUser	A2: BasicUser	A2: Basic User
French	A2: BasicUser	B1: Independent User	A1: BasicUser	A1: BasicUser	A2: BasicUser

(*)Self assessment according the Common European Framework of Reference for Languages

Organizational skills I have collaborated in a considerable number of national and international research projects. Apart from the organization of research work I have also experience in project coordination and management. As external collaborator in archaeological research projects I frequently raise additional funds. Furthermore, I have experience in the organization of conferences (EMAC, HSA, CAA-GR), workshops and in the editing of conference proceedings and monographs.

Technical skills As nuclear physicist I am familiar with spectroscopic techniques for measurements of α- and γ-radiation and X-rays. I have experience in various methods for the characterization of materials in terms of chemistry (NAA, ED-XRF, WD-XRF, SR-XRF, portable XRF), microstructure (optical microscopy, SEM) and mineralogy (XRD, FTIR). Furthermore, I am experienced in material testing for the assessment of thermo-mechanical properties concerning application as well as development and advancement of these tests.

Computer skills Besides physics I studied informatics. I have working experience in software development (*C++*) and experience in the design and administration of web pages and databases (*html, php, SQL*). Within my research I developed software for data acquisition, spectrum evaluation, statistical data treatment and 3D modeling (*FORTRAN, C++, JAVA, Python*). Apart from programming I am developing digital multi-scale models for computer simulations assessing the performance of ancient materials and infrastructures by the use of the finite element method (FEM) or computational fluid dynamics (CFD) (*ANSYS*).

Educational skills I have been teaching laboratory courses in physics for science and engineering students at the University of Bonn and at University of West Attica. As member of Scientific Staff of the Marie Curie ITNs *NARNIA* and *PlaCe* I am involved in the organization of training courses and in the individual training of Early Stage Researchers (ESR). As Guest Lecturer I am teaching in MSc courses at the University of Peloponnese, the Hellenic Open University and the University of Patras. At the INN I am supervising postgraduate students and PhD students (currently 5 PhDs, one finalized). Furthermore I have given invited lectures in master courses at several European universities (Padova, Krakow, Barcelona and Athens).

Publications

- 58 publications in peer-reviewed journals, 785 citations (Author h-index: 17)
- 8 chapters in books, 46 publications in proceedings and edited volumes
- 3 edited conference proceedings
- 9 invited talks, 155 conference presentations

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