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degrees

master degree ('Diplom') in Medical Informatics from the University of Heidelberg and the University of Applied Sciences Heilbronn, Germany, in 1978

Ph.D. degree (Dr.rer.biol.hum.) from the Faculty for Theoretical Medicine, University of Ulm, Germany, in 1983

license for Lecturing ('Habilitation') for Medical Informatics and Statistics from the Medical Faculty of the Technical University of Aachen, Germany, 1987

positions

1978 - 1984	research assistant, Institute for Medical Documentation, Statistics and Data Processing, University of Heidelberg, Germany
1984 - 1987	research assistant, Institute for Medical Statistics and Documentation, Technical University of Aachen, Germany
1987 - 1989	associate professor of medical informatics, Medical Faculty, University of Tuebingen, Germany
1989 - 2001	full professor of medical informatics, Medical Faculty, and director of the Department of Medical Informatics, University of Heidelberg, Germany
2001 - 2004	full professor of medical informatics at the University for Health Sciences, Medical Informatics and Technology (UMIT) at Innsbruck, later Hall, Austria, rector (president) of UMIT and director of the Institute of Health Information Systems
since 2002	adjunct professor of medical informatics, Medical Faculty of the University of Heidelberg, Germany
since 2004	adjunct faculty for medical informatics of UMIT, Austria
since 2004	full professor of medical informatics, Faculty for Mathematics and Computer Science, and director of the Institute for Medical Informatics, Technical University of Braunschweig, Germany

research fields

* health enabling technologies
    * information and communication technologies to achieve sustainable conditions for autonomous, self-determined living
    * methods for pervasive computing and use of ubiquitously available information for diagnosis, therapy, prevention, and early identification of diseases as well as to assist in self-determined and autonomous living in the presence of diseases
* health information systems and management
    * trans-institutional information system architectures for co-operative, patient-centered, and shared care
    * modeling and evaluation of health information systems, as well as analysis, evaluation and simulation of processes in health care
    * strategic information management, IT-strategies for hospitals and for health care regions
* medical data management
    * electronic patient records for co-operative (e.g. regional) health care and for clinical and epidemiological research

educational fields

* information management, health information systems
* medical documentation
* curricula in medical Informatics / health informatics

lectures given at the Technical University of Braunschweig, and at the Universities of Amsterdam, Heidelberg, Heilbronn, formerly also, e.g., Athens and Prague

editorships

* Methods of Information in Medicine (editor-in-chief, since 1999)
* IMIA Yearbook of Medical Informatics (editor, since 2000)
* Artificial Intelligence in Medicine (editorial board, since 1994)
* Computational Statistics and Data Analysis (editorial board, 1991 - 1995)
* Computers in Biology and Medicine (editorial board, since 2005)
* Informatik, Biometrie und Epidemiologie in Medizin und Biologie (editorial board, 1989 - 2002)
* International Journal of Medical Informatics (editorial board, 1993 - 2003)
* International Journal of Electronic Healthcare (editorial board, since 2006)
* Informedica Journal (editorial board, since 2002)
* Physican and Technology (editorial board, since 2003)

scientific associations

* International Medical Informatics Association (IMIA): incoming president (2007-2010); vice-president (since 1999); chairperson of Working Group 1: Health and Medical Informatics Education (1995 - 2000)
* German Association for Medical Informatics, Biometry and Epidemiology (gmds):
  member of the board (1990 - 1995)
* German Association for Computer Science (GI): chairperson of the medical informatics special interest group (1992 - 1995)
* American College of Medical Informatics (ACMI): international associate (since 1999)
* Working Group Medical Informatics of the Austrian Computer Society and of the
  Austrian Society for Biomedical Engineering: member of the board (2002 - 2004)

other activities

* Deutsche Forschungsgemeinschaft (German Research Association):
  elected reviever for medical informatics and biometry (1992 - 2000)
  member of the Committee for Computing (1995 - 2001)
* University of Oldenburg, Research Institute for Informatics-Systems and -Tools (OFFIS):
  member of its Scientific Board (since 1998)
* Government of the Province of Tyrol, Austria, and Tiroler Landeskrankenanstalten (TILAK):
  chairperson of the Founding Council of UMIT (2000 - 2002)
* chairperson or member of IT strategy boards of various hospitals, among others of the Heidelberg (1989 - 2001) and Erlangen University Medical Centers (1999 - 2001), of TILAK (2002 - 2004), and of Braunschweig Medical Center (since 2005)