

Curriculum vitae of Prof. Dr.-Ing. Dr. h.c. M. Nagl



Career

1969	Master in Mathematics/Physics at Univ. of Erlangen-Nuremberg
1969-71	Siemens Research Lab at Erlangen, as Computer Scientist
1974	Dr.-Ing. of Computer Science at University of Erlangen-Nuremberg
1979	Habilitation in Computer Science at University of Erlangen-Nuremberg
1979-81	Associate Professor in Applied Comp. Science at University of Koblenz
1981-86	Full Professor in Applied Comp. Science at University of Osnabrück
Since 1986	Full Professor at RWTH Aachen University in Comp. Science (Software Engineering)
1992	Offer from Zurich University, Switzerland, rejected
8/ 2009	Professor emeritus

Special topics of interest

- Theory, Practical Applications, and Implementation of Graph Rewriting (72-now)
- Graph-Specification and Prototyping Systems (90-now)
- Nonstandard Database Systems for Tools (76-now)
- Programming Languages (72-now)
- Software Architectures (78-now)
- Software Development Environments (78-now)

- Integration of Tools for Engineering Applications: Mechanical Engineering, Process Engineering (89-now)
- Coordination of Developers in Development Processes (89-now)
- Standard Architectures of Interactive Systems (83-now)
- Further Application Domains: Authoring, Telecom Systems, Automotive, eHome

Publications and Projects

Prof. Nagl is author of five books and editor/coeditor of about 20 books. He authored/coauthored 147 articles in scientific journals, proceedings, and books.

He authored the first book on graph rewriting, and also on software architectures worldwide, and also the first Ada book Germany-wide.

He was speaker of the DFG research group SUKITS (1990-1997), he was speaker of the DFG Collaborative Research Center SFB 476 (1997-2006), and speaker of the Transfer Center TB 61, also financed by DFG, 2006-2009. SUKITS was on tool integration in mechanical engineering, the SFB and the TB were on tool integration in chemical and plastics engineering. The books on these projects are outstanding. He also was the leader of the IPSEN project on tight tool integration for software development which was the origin of another volume..

At RWTH, Computer Science 3, many further application-oriented projects based on graph technology, tools, and architectures are and were carried out, in the area of telecommunication, automotive, business administration, architecture of buildings and civil engineering, eHome, authoring etc.

Prof. Nagl has supervised about 300 Masters' Theses and 46 Doctoral Dissertations. 16 professors were former PhDs of his group.

Academic Positions and Honors

Prof. Nagl was speaker of Computer Science at RWTH Aachen University from Oct. 2005 to December 2007, after having had various other positions in the department, faculty, and university.

He was vice-speaker of Aachen Informatics Industry Club (REGINA) from March 2000 to December 2007, now being a honorary member, and Member of the Board of Forum Informatik from 1988 to 2007 at RWTH Aachen University.

He was Head of "Fakultätentag Informatik" (German Informatics Faculty Deans' Conference) from January 2006 to December 2008, and he was in the board of that association from 2009-10. He is still active for Fakultätentag.

He was Head of 4ING, the Association of Faculty Conferences of Mechanical Engineering/ Process Engineering, Electrical Engineering/ Information Technology, Civil Engineering/ Geodesy, and Informatics in Germany from January 2007 to December 2008, he was also in the board of that association from 2009 to 10, and he is still active as a honorary member.

He is a Fellow of the Gesellschaft für Informatik, Germanys Association for Computing.

He is Speaker Substitute of the Accreditation Committee of EQANIE, European Quality Assurance Network for Informatics Education.

He is chair in the Steering Committee for Faculty Evaluations of Informatics Europe and also in the Board of Informatics Europe.

He got a Honorary Doctor from University of Paderborn in 2010.

Evaluations and Accreditations

Prof. Nagl was involved in Peer Review Evaluation and Accreditation activities in the past.

As an example for the first, he was a peer in an evaluation for a study program "Software Engineering" at University of Stuttgart. At the same University he later was a member and later also the chair of a reviewer group for a big Technology Transfer program.

In a similar function of Technology transfer evaluation he was active for the State of Bavaria.

He also was a member of the evaluation committee for a Collaborative Research Center at the University of Kaiserslautern.

Finally, he was a member of an accreditation committee at the Czech Technical University at Prague, which initiated a new Informatics Faculty.

He was in the Evaluation Board of SPES a Large Program financed by the Minister of Research and Education of the Federal Republic of Germany. He has a similar task now in the project OWL, also financed by the same ministry.

Further accreditation activities in the context of EQANIE were at the Riga Techn.University and Latvian Univ., both Latvia, and the University of Tartu, and Talinn Technical University, both Estonia. Recently the British Computer Society was evaluated in order to award the Euro-Inf label independently in the future. All corresponding audit teams were chaired by him.