



PERSONAL

Name Renate Motschnig
Title Ao.Univ.Prof. Dipl.Ing. Dr. techn.
Present Position Associate Professor
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Date & Place of Birth 06/06/1960 in Ostrava, Czech Republic
Citizenship Austrian; living in Austria since 1966
Marital Status Married to Dipl.Ing. Herbert Motschnig, System Administrator;
2 children: Tomas and Niko

EDUCATION

1966 - 1970 Bilingual Czech-German Elementary School "Komensky"
1971 - 1978 Naturwissenschaftliches Realgymnasium
1978: Final exam ("Matura") with honors
1978 - 1982 Vienna University of Technology: Study of Computer Science
1982: Dipl.Ing. (with honors)
June 1988 PhD in Technical and Natural Sciences (with honors)
June 1995 University of Vienna: Venia Docendi in Computer Science

EMPLOYMENT HISTORY

1982 - 1985 Assistant Professor at the Vienna University of Technology,
Department of Applied Computer Science and Systems Analysis
1985 - now Assistant Professor, since 1996 Associate Professor at the
University of Vienna, Department of Computer Science and
Business Informatics

VISITING PROFESSORSHIPS

1989 - 1996 7 times during the summer months; University of Toronto/Canada
Department of Computer Science and Artificial Intelligence

Oct. 1995 - March 1996 RWTH-Aachen, Germany, Department of Information Systems

PROFESSIONAL ACTIVITIES

Renate Motschnig is a reviewer for several international journals such as Information Systems, Data and Knowledge Engineering, Very Large Databases Journal, Journal of Systems and Software. She has been a Program Committee Member of international conferences such as Conference on Applied Information Systems Engineering, Conference on Information Systems Development, Conference on Conceptual Modeling (since 2000). Renate is member of the Austrian Computer Society (OCG) and the Association of Humanistic Psychology (AHP). She is author of more than 50 publications in refereed journals and conference proceedings.

At the Department of Computer Science and Business Informatics, Renate Motschnig organizes a series of lectures entitled "[Computer Science in Industry](#)" with the aim to foster cooperation and exchange between the university and economy.

REWARDS

- 2001 Premio Leonardo da Vinci, from the Rotary Club Europe
- 2001 2nd place in a contest on innovative teaching using new media at the University of Vienna

CURRENT RESEARCH GOALS AND INTERESTS

Renate Motschnig's research goals center around the discovery of principles and the development of techniques and tools to improve the development, the quality, and the applicability of socio-technical systems. Her current research interests include abstraction-based software development, view-directed approaches to requirements engineering, the specification of semantics of abstraction concepts, context mechanisms, software process models, eLearning, organizational development, cognitive psychology, and humanistic psychology in the context of ICT. Most recently, R. Motschnig started to investigate the potentials of applying the Person-Centered approach by C. Rogers to aspects of project management, requirements engineering, as well as teaching and learning with New Media. For further information see my [private page](#).

RECENT PROJECTS

- [ISWI](#) Migration of the Department's Student Information System to meet the requirements of other departments' information systems.
- [UniKid](#) Development of a web-application in order to support parents who study or work at the university.
- [SCeL](#) Student-Centered eLearning: in cooperation with [Michael Derntl](#)

LANGUAGES

Fluent: Czech, English.

Sufficient not to get lost: French, Italian, Polish, Russian

SELECTED PUBLICATIONS

[Student-Centered Teaching Meets New Media: Concept and Case Study](#); *IEEE Educational Technology and Society*, 5 (4), 160-172, 2002. Together with Andreas Holzinger

[The Viewpoint Abstraction in Object-Oriented Analysis and the UML](#); *Proc. of the 19th International Conference on Conceptual Modeling*, Lecture Notes in Computer Science Vol.1920, 543-557, Salt Lake City, Utah, Oktober 2000

[A Generic Framework for the Modeling of Contexts and its Applications](#); *Data and Knowledge Engineering*, 32, 145-180, 2000

[Part-Whole Relationship Categories and their Application in Object-Oriented Analysis](#); *IEEE Transactions on Knowledge and Data Engineering*; 11 (5), 779-797, September/October 1999. Together with Jens Kaasboll

[View-Directed Requirements Engineering: A Framework and Metamodel](#); *Proc. of the 9th Internat. Conference on Software Engineering and Knowledge Engineering*, SEKE'97, Madrid, Juni 1997. Together with Hans Nissen und Matthias Jarke

Requirements and Comparison of View Concepts for Object-Oriented Databases; *Information Systems*, 21(3), 229-252, 1996

Analysing the Notions of Attribute, Aggregate, Part, and Member in Data/Knowledge Modeling; *The Journal of Systems and Software*, 33,113-122, 1996