



Name	Prof. Joachim Fischer, PhD.
Position	Chair of Systems Analysis
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Apprenticeship	Ph.D. in Computer Science (Dr. rer. nat.) (Mat-Nat. faculty II, Humboldt Universität Berlin)
Brief Curriculum Vitae	
1994 - today	<ul style="list-style-type: none"> • Professor (Full/C4), Department of Computer Science, Humboldt Universität zu Berlin
1988 - 1994	<ul style="list-style-type: none"> • Postdoctoral researcher, Department of Mathematics, Humboldt Universität zu Berlin
1987	<ul style="list-style-type: none"> • Assistant Professor at Department of Communications Engineering, Berlin

The Department of Computer Science ("Institut für Informatik") focuses on "Model Driven Software Development". In that context, the Systems Analysis Group, lead by Prof. J. Fischer, does research on *languages and methods for system specification* and on software component support platforms and distributed processing environments. Regarding languages and methods, the object-oriented approaches play a major part, such as the *Unified Modelling Language (UML)*, the *extended Object Definition Language (eODL)* and the *Specification and Description Language (SDL)*.

The Systems Analysis Group is directly involved in the *standardization processes of ITU-T and OMG*, in particular participation in the definition of *SDL-2000* within ITU-T, and the "CORBA Component Model" within OMG.

The group of Prof. Fischer participated in several previous European projects. The most recent ones are the IST project COACH and the running SAVER. The group has a long-standing history in cooperation with industrial partners, including Deutsche Telekom AG, Siemens AG and Nippon T&T Corporation.

Reviewed Publications
J. Fischer, A. Prinz, M. Scheidgen, M. Tveit: Implementing the eODL Graphical Implementation. In: R. Gotzhein, R. Reed: Proceedings of SAM'06. Appears in LNCS 2005
W. Endlicher, G. Jendritzky, J. Fischer, J.-P. Redlich. Heat Waves, Urban Climate and Human Health. In: Kraas, F., Th. Krafft & Wang Wuyi (Eds.): Global Change, Urbanisation and Health. Beijing, Chinese Meteorological Press (submitted).

J. Fischer, T. Neumann, A. Olsen: SDL Code Generation for Embedded Systems. In: A. Prinz, R. Reed, J. Reed: SDL 05: Model Driven. Accepted paper at 12th SDL Forum, Grimstad, Mai 2005. Appears in LNCS 2005.
J. Fischer (Q24 & Q25/17 Rapporteur der ITU-T): Extended Object Definition Language (eODL): Techniques for Distributed Component Development. Conceptual Foundation, Notations and Technology Mappings. Draft Z.130, (ITU-T \COM-TSG17\COM\D.43.doc, Genf, September 2003.
E. Holz, J. Fischer, B. Møller-Pedersen: Structural and Behavioral Decomposition in Object Oriented Models. ISORC2000, Newport Beach/USA March 2000.
J. Fischer, K. Ahrens: Objektorientierte Prozesssimulation in C++. Addison-Wesley Publ. Company 1996.