# Dr. Dr. Norbert Streitz

Fraunhofer IPSI
Dolivostr. 15
D-64293 Darmstadt

Web:     *www.ipsi.fraunhofer.de/~streitz*
           *www.ipsi.fraunhofer.de/ambiente*
E-mail: *streitz@ipsi.fraunhofer.de*
Tel: +49 6151-869-919
Fax: +49 6151-869-963

## Biography

Dr. Dr. Norbert A. Streitz (Ph.D. in physics, Ph.D. in psychology) is the manager of the research division "AMBI-ENTE - Workspaces of the Future" (*www.darmstadt.gmd.de/ambiente*) of the Integrated Publication and Information Systems Institute (IPSI) in Darmstadt which is one of the eight institutes of the German National Research Center for Information Technology (GMD) which was merged with the Fraunhofer organisation in August this year. He teaches also at the Technical University Darmstadt in the Department of Computer Science.

He has published 15 books and more than 90 technical publications. He is a regular member of the program committees of the relevant national and international conferences in Human-Computer-Interaction, Hypermedia, CSCW and CSCL, as well as Ubiquitous Computing and Augmented Reality. He is an associate editor of the journal ACM Transactions on Information Systems (TOIS) and one of the editors of the journal Personal and Ubiquitous Computing. He is often asked to present seminars and tutorials, invited talks and keynote speeches in Europe, the US, South America and Japan, and is a reviewer/consultant for the European Commission.

## Research Interests

His general research interests are Computer-Supported Cooperative Work (CSCW), Human-Computer-Interaction (HCI), Hypertext/Hypermedia (HT/HM). Since 1997, he is also working on ubiquitous computing and augmented reality in the context of his ideas on Cooperative Buildings that are based on the integration of real and virtual worlds resulting in hybrid worlds. As part of this, he organized also the First and the Second International Workshops CoBuild'98 in Darmstadt and CoBuild'99 in Pittsburgh.

Together with his team in the AMBIENTE division, he developed the "Roomware" (*www.roomare.de*) concept and its first instantiation, the i-LAND environment, an interactive landscape for creativity and innovation. He is the initiator and coordinator of the R&D consortium "Future Office Dynamics (FOD)" (*www.future-office.de*), a joint activity with selected companies from German industry. One result of this cooperation is the Second Generation of Roomware components.

Since January 2001, he is the chair of the Steering Group of the EU-funded proactive initiative "The Disappearing Computer" (DC) with 16 projects (*www.disappearing-computer.net*) and also the project manager of the DC project "Ambient Agoras: Dynamic Information Clouds in a Hybrid World" (*www.Ambient-Agoras.org*).

## Recent Publications

N. A. Streitz, P. Tandler, C. Müller-Tomfelde, S. Konomi (2001). *Roomware: Towards the Next Generation of Human-Computer Interaction based on an Integrated Design of Real and Virtual Worlds.* In: J. A. Carroll (Ed.), Human-Computer Interaction in the New Millennium, Addison Wesley, 2001, pp. 553-578.

N. A. Streitz, J. Geißler, T. Holmer, S. Konomi, C. Müller-Tomfelde, W. Reischl, P. Rexroth, P. Seitz, R. Steinmetz (1999). *i-LAND: An Interactive Landscape for Creativity and Innovation.* In: ACM Conference on Human Factors in Computing Systems (CHI'99) (Pittsburgh, PA, USA, May 15-20, 1999), pp. 120-127.

S. Konomi, C. Müller-Tomfelde, N. A. Streitz (1999). *Passage: Physical Transportation of Digital Information in Cooperative Buildings.* In: N. Streitz, J. Siegel, V. Hartkopf, S. Konomi (Eds.). Cooperative Buildings - Integrating Information, Organizations, and Architecture. Proceedings of the Second International Workshop (CoBuild'99) LNCS 1670, Heidelberg, Springer, 1999, pp. 45-54.

N. A. Streitz, J. Geißler, T. Holmer (1998). *Roomware for Cooperative Buildings: Integrated Design of Architectural Spaces and Information Spaces.* In: Streitz, N., Konomi, S., Burkhardt, H. (Eds.), Cooperative Buildings - Integrating Information, Organization, and Architecture. Proceedings of CoBuild '98, Darmstadt, Germany, LNCS Vol. 1370, Heidelberg, Germany, Springer, 1998, pp. 4-21.