Terry Winograd
Professor of Computer Science, Emeritus

Bio

Professor Winograd's focus is on human-computer interaction design and the design of technologies for development. He directs the teaching programs and HCI research in the Stanford Human-Computer Interaction Group, which recently celebrated it's 20th anniversary. He is also a founding faculty member of the Hasso Plattner Institute of Design at Stanford (the "d.school") and on the faculty of the Center on Democracy, Development, and the Rule of Law (CDDRL).

Winograd was a founding member and past president of Computer Professionals for Social Responsibility. He is on a number of journal editorial boards, including Human Computer Interaction, ACM Transactions on Computer Human Interaction, and Informatica. He has advised a number of companies started by his students, including Google. In 2011 he received the ACM SIGCHI Lifetime Research Award.

ACADEMIC APPOINTMENTS
• Emeritus Faculty, Acad Council, Computer Science
• Member, Bio-X
• Member, Child Health Research Institute

ADMINISTRATIVE APPOINTMENTS
• Founder, Hasso Plattner Institute of Design, (2006- present)
• Co-director, Liberation Technology Program, (2009- present)

HONORS AND AWARDS
• Founders Award, Computer Professionals for Social Responsibility (1996)
• Rigo Award, SIGDOC (1999)
• Member, ACM CHI Academy (2004)
• Fellow, ACM (2009)
• Lifetime Research Award, ACM SIGCHI (2011)

PROFESSIONAL EDUCATION
• PhD, MIT (1970)

LINKS
• Home page: http://hci.stanford.edu/winograd
Teaching

COURSES

2014-15

- Seminar on Liberation Technologies: CS 546, POLISCI 337S (Aut, Win)

Publications

PUBLICATIONS


• Shifting viewpoints: Artificial intelligence and human-computer interaction  *ARTIFICIAL INTELLIGENCE*
  Winograd, T.
  2006; 170 (18): 1256-1258

• Mediating group dynamics through tabletop interface design  *IEEE COMPUTER GRAPHICS AND APPLICATIONS*
  2006; 26 (5): 65-73

• Designing a new foundation for design  *COMMUNICATIONS OF THE ACM*
  Winograd, T.
  2006; 49 (5): 71-73

• TeamSearch: Comparing techniques for co-present collaborative search of digital media  *1st IEEE International Workshop on Horizontal Interactive Human-Computer Systems*
  Morris, M. R., Paepcke, A., Winograd, T.
  IEEE COMPUTER SOC.2006: 97–104

• Alternative input devices for efficient navigation of large CT angiography data sets  *RADIOLOGY*
  2005; 234 (2): 391-398

• Flow map layout  *IEEE Symposium on Information Visualization (InfoVis 05)*
  Phan, D., Xiao, L., Yeh, R., Hanrahan, P., Winograd, T.
  IEEE COMPUTER SOC.2005: 219–224

• Interactive workspaces  *COMPUTER*
  Johanson, B., Winograd, T., Fox, A.
  2003; 36 (4): 99-101

• Efficient web browsing on handheld devices using page and form summarization  *ACM TRANSACTIONS ON INFORMATION SYSTEMS*
  Buyukkokten, O., Kaljuvee, O., Garcia-Molina, H., Paepcke, A., Winograd, T.
  2002; 20 (1): 82-115

• Extreme temporal photo browsing  *2nd International Workshop on Visual Interfaces to Digital Libraries held at the Joint Conference on Digital Libraries (JCDL)*
  SPRINGER-VERLAG BERLIN.2002: 81–97

• Architectures for context  *HUMAN-COMPUTER INTERACTION*
  Winograd, T.
  2001; 16 (2-4): 401–419

• Integrating information appliances into an interactive workspace  *IEEE COMPUTER GRAPHICS AND APPLICATIONS*
  Fox, A., Johanson, B., Hanrahan, P., Winograd, T.
  2000; 20 (3): 54-65

• Designing the user interface for multimodal speech and pen-based gesture applications: State-of-the-art systems and future research directions  *HUMAN-COMPUTER INTERACTION*

• Interoperability for digital libraries worldwide  *COMMUNICATIONS OF THE ACM*
  Paepcke, A., Chang, C. C., Garcia-Molina, H., Winograd, T.
  1998; 41 (4): 33-43

• The digital library integrated task environment (DLITE)  *2nd ACM International Conference on Digital Libraries (DL 97)*
  Cousins, S. B., Paepcke, A., Winograd, T., BIER, E. A., Pier, K.
  ASSOC COMPUTING MACHINERY.1997: 142–151

• Interspace and an every-citizen interface to the national information infrastructure  *More Than Screen Deep Workshop - Toward Every-Citizen Interfaces to the Nations Information Infrastructure*
Winograd, T.
NATL ACADEMY PRESS. 1997: 260–264

- Using distributed objects for digital library interoperability *COMPUTER*
  Paepecke, A., Cousins, S. B., GARCIAMOLINA, H., Hassan, S. W., Ketchpel, S. P., ROSCHEISEN, M., Winograd, T.
  1996; 29 (5): 61–?

- Grassroots: A system providing a uniform framework for communicating, structuring, sharing information, and organizing people *5th International World Wide Web Conference (WWW5)*
  Kamiya, K., ROSCHEISEN, M., Winograd, T.
  ELSEVIER SCIENCE BV. 1996: 1157–74

- A communication agreement framework for access/action control *1996 IEEE Symposium on Security and Privacy*
  ROSCHEISEN, M., Winograd, T.
  I E E E, COMPUTER SOC PRESS. 1996: 154–163

- FROM PROGRAMMING ENVIRONMENTS TO ENVIRONMENTS FOR DESIGNING *COMMUNICATIONS OF THE ACM*
  Winograd, T.

- BEYOND BROWSING - SHARED COMMENTS, SOAPS, TRAILS, AND ONLINE COMMUNITIES *3rd International World-Wide Web Conference*
  ROSCHEISEN, M., Mogensen, C., Winograd, T.
  ELSEVIER SCIENCE BV. 1995: 739–49

- THE NORBERT-WIENER-AWARD FOR SOCIAL AND PROFESSIONAL-RESPONSIBILITY *CYBERNETICA*
  Winograd, T.
  1994; 37 (3-4): 387-392

- DESIGNING THE DESIGNER *HUMAN-COMPUTER INTERACTION*
  Winograd, T.
  1994; 9 (1): 128-132

- GROUPWARE - SYSTEMS-DESIGN FROM PERSPECTIVE OF GETTING THINGS DONE *IEEE SOFTWARE*
  Winograd, T.
  1991; 8 (6): 81-82

- ARE THINKING MACHINES POSSIBLE - ARE WE THEY *REVISTA DE OCCIDENTE*
  Winograd, T.
  1991: 113-150

- CAN RESEARCH REINVENT THE CORPORATION *HARVARD BUSINESS REVIEW*
  1991; 69 (2): 164–?

- ON THE CRUELTY OF REALLY TEACHING COMPUTING SCIENCE *COMMUNICATIONS OF THE ACM*
  Winograd, T.
  1989; 32 (12): 1412-1413

- EXPERT SYSTEMS - HOW FAR CAN THEY GO .1. *AI MAGAZINE*
  Davis, R., Winograd, T., DREYFUSS, S. E.
  1989; 10 (1): 61-67

- WHERE THE ACTION IS *BYTE*
  Winograd, T.
  1988; 13 (13): A256–?

- COMPUTER-SYSTEMS AND THE DESIGN OF ORGANIZATIONAL INTERACTION *ACM TRANSACTIONS ON OFFICE INFORMATION SYSTEMS*
  Flores, F., Graves, M., HARTFIELD, B., Winograd, T.
  1988; 6 (2): 153-172
• SPECIAL ISSUE ON THE LANGUAGE-ACTION PERSPECTIVE - INTRODUCTION *ACM TRANSACTIONS ON OFFICE INFORMATION SYSTEMS*
  Winograd, T.
  1988; 6 (2): 83-86

• ARTIFICIAL-INTELLIGENCE - WHERE ARE WE. 2. *ABACUS-NEW YORK*
  1987; 4 (4): 33-48

• ARTIFICIAL-INTELLIGENCE - WHERE ARE WE - EXPERTS WHO EXCHANGE VIEWS ON THE FUTURE OF AI FIND THAT CONSENSUS IS DIFFICULT.1. *ABACUS-NEW YORK*
  1987; 4 (3): 8-?

• MOVING THE SEMANTIC FULCRUM *LINGUISTICS AND PHILOSOPHY*
  Winograd, T.
  1985; 8 (1): 91-104

• COMPUTER SOFTWARE FOR WORKING WITH LANGUAGE *SCIENTIFIC AMERICAN*
  Winograd, T.
  1984; 251 (3): 130-?

• WHAT DOES IT MEAN TO UNDERSTAND LANGUAGE *COGNITIVE SCIENCE*
  Winograd, T.
  1980; 4 (3): 209-241

• EXTENDED INFERENCE MODES IN REASONING BY COMPUTER-SYSTEMS *ARTIFICIAL INTELLIGENCE*
  Winograd, T.
  1980; 13 (1-2): 5-26

• BEYOND PROGRAMMING LANGUAGES *COMMUNICATIONS OF THE ACM*
  Winograd, T.
  1979; 22 (7): 391-401

• TOWARDS A PROCEDURAL UNDERSTANDING OF SEMANTICS *REVUE INTERNATIONALE DE PHILOSOPHIE*
  Winograd, T.
  1976; 30 (117-): 260-303