Bio

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 its 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, Maternal & Child Health Research Institute (MCHRI)

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
Publications

PUBLICATIONS

- **Feasibility Testing of a Wearable Behavioral Aid for Social Learning in Children with Autism** *APPLIED CLINICAL INFORMATICS*
  2018; 9 (1): 129–40

- **Backtracking Events as Indicators of Usability Problems in Creation-Oriented Applications** *ACM TRANSACTIONS ON COMPUTER-HUMAN INTERACTION*
  Akers, D., Jeffries, R., Simpson, M., Winograd, T.
  2012; 19 (2)

- **The distance geometry of music** *17th Canadian Conference on Computational Geometry*
  ELSEVIER SCIENCE BV.2009: 429–54

- **Undo and Erase Events as Indicators of Usability Problems** *27th Annual CHI Conference on Human Factors in Computing Systems*
  Akers, D., Simpson, M., Jeffries, R., Winograd, T.
  ASSOC COMPUTING MACHINERY.2009: 659–668

- **Improving the Accuracy of Gaze Input for Interaction** *Eye Tracking Research and Applications Symposium*
  Kumar, M., Klingner, J., Puranik, R., Winograd, T., Paepcke, A.
  ASSOC COMPUTING MACHINERY.2008: 65–68

- **Taskpose: Exploring Fluid Boundaries in an Associative Window Visualization** *21st Annual ACM Symposium on User Interface Software and Technology*
  Bernstein, M., Shrager, J., Winograd, T.
  ASSOC COMPUTING MACHINERY.2008: 231–234

- **Visual analysis of network flow data with timelines and event plots** *4th International Workshop on Computer Security*
  Phan, D., Gerth, J., Lee, M., Paepcke, A., Winograd, T.
  SPRINGER-VERLAG BERLIN.2008: 85–99

- **The bodily incorporation of mechanical devices: Ethical and religious issues - (part 2)** *CAMBRIDGE QUARTERLY OF HEALTHCARE ETHICS*
  2007; 16 (3): 268-280

- **The bodily incorporation of mechanical devices: Ethical and religious issues (part 1)** *CAMBRIDGE QUARTERLY OF HEALTHCARE ETHICS*
  2007; 16 (2): 229-239

- **Eyepatch: Prototyping Camera-based Interaction through Examples** *20th Annual ACM Symposium on User Interface Software and Technology*
  Maynes-Aminzade, D., Winograd, T., Igarashi, T.
  ASSOC COMPUTING MACHINERY.2007: 33–42

- **Gaze-enhanced Scrolling Techniques** *20th Annual ACM Symposium on User Interface Software and Technology*
  Kumar, M., Winograd, T.
  ASSOC COMPUTING MACHINERY.2007: 213–216

- **EyePoint: Practical Pointing and Selection Using Gaze and Keyboard** *Conference on Human Factors in Computing Systems*
  Kumar, M., Paepcke, A., Winograd, T.
  ASSOC COMPUTING MACHINERY.2007: 421–430

- **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*
• 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
  Paepcke, 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
ROSCHIESEN, M., Winograd, T.
IEEE, COMPUTER SOC PRESS.1996: 154–163

FROM PROGRAMMING ENVIRONMENTS TO ENVIRONMENTS FOR DESIGNING. COMMUNICATIONS OF THE ACM
Winograd, T.
1995; 38 (6): 65-74

BEYOND BROWSING - SHARED COMMENTS, SOAPS, TRAILS, AND ONLINE COMMUNITIES. 3rd International World-Wide Web Conference
ROSCHIESEN, 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
• 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 (4): 33-48

• 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