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*
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- Backtracking Events as Indicators of Usability Problems in Creation-Oriented Applications *ACM TRANSACTIONS ON COMPUTER-HUMAN INTERACTION*
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- The distance geometry of music *17th Canadian Conference on Computational Geometry*
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- Undo and Erase Events as Indicators of Usability Problems *27th Annual CHI Conference on Human Factors in Computing Systems*
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- Gaze-enhanced Scrolling Techniques *20th Annual ACM Symposium on User Interface Software and Technology*
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- EyePoint: Practical Pointing and Selection Using Gaze and Keyboard *Conference on Human Factors in Computing Systems*
  Kumar, M., Paepcke, A., Winograd, T.
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- Shifting viewpoints: Artificial intelligence and human-computer interaction *ARTIFICIAL INTELLIGENCE*
  Winograd, T.
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- 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*
  Sherboncly, A., Holmlund, D., Rubin, G. D., Schraedley, P. K., Winograd, T., Napoleon, S.
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• **Flow map layout** *IEEE Symposium on Information Visualization (InfoVis 05)*
  Phan, D., Xiao, L., Yeh, R., Hanrahan, P., Winograd, T.
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• **Interactive workspaces** *COMPUTER*
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• **Efficient web browsing on handheld devices using page and form summarization** *ACM TRANSACTIONS ON INFORMATION SYSTEMS*
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• **Extreme temporal photo browsing** *2nd International Workshop on Visual Interfaces to Digital Libraries held at the Joint Conference on Digital Libraries (JCDL)*
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• **Architectures for context** *HUMAN-COMPUTER INTERACTION*
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• **Integrating information appliances into an interactive workspace** *IEEE COMPUTER GRAPHICS AND APPLICATIONS*
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• **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*
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• **The digital library integrated task environment (DLITE)** *2nd ACM International Conference on Digital Libraries (DL 97)*
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