



National Capital Region Chapter of the
ACM Special Interest Group on Computer Human Interaction

HCI Research at NRC's Institute for Information Technology

Presented by **Janice Singer**, Assistant Research Officer, Software Engineering Group,
NRC Institute for Information Technology

What?

This talk will present some of the HCI related research under way and planned at NRC's Institute for Information Technology in the newly formed HCI Program. This includes interaction with voice input, navigation in virtual spaces, social technologies, and good old usability evaluation.

Who?

Janice Singer is Assistant Research Officer, Software Engineering Group at the NRC IIT. Her current work focuses on empirical studies of software engineering. She investigates, through both qualitative and quantitative means, the work that software engineers do. In doing so, she hopes to help create better tools that are specifically tuned to the needs of software engineers. She is also working on a CSER sponsored project [Knowledge Based Reverse Engineering](#). She is involved in the study part of the project. She is characterizing the work of the software engineers with the goal of informing the design of reverse engineering tools.

Prior to working with NRC, she examined the relationship between perception and cognition as the foundation for early mathematical concepts. During graduate school summers, she worked for IBM Yorktown Heights Research Center with John Carroll doing research in HCI. She was the original designer of the [View-Matcher](#). She has also worked summers at Xerox PARC in the Institute for Research on Learning looking at CSCW and situated cognition. Before graduate school, she worked at Tektronix doing among other things HCI and Smalltalk programming on the [Tek 4401](#). As an undergraduate, she worked for the US Navy designing a system to teach Navy pilots about foreign aircraft.

She holds a B.A. Cognitive Science, University of California, San Diego, CA, USA (1984) and a Ph.D. Cognitive Psychology, Learning Research and Development Center, University of Pittsburgh, Pittsburgh, PA, USA (1992).

Where and When?

The meeting takes place on [Thursday, November 22, 2001](#) at 7:00 pm in the Conference 2 Boardroom at the Nortel Skyline location. Directions and a map can be found at www.capchi.org.

Note: All attending will be required to register with security. Please arrive 5-10 minutes earlier to allow for registering. The meeting fee is \$5 for non-members and free for CapCHI members (\$20 / year).