



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

Natural Language Processing and Voice User Interfaces: Playing with Voice Technologies

Presented by **Dr. Leo Ferres** from Carleton University
on Wednesday March 30, 2005 at **Adobe Systems Canada**

What?

This talk will address a few issues in Language Engineering (LE) and HCI. Dr. Leo Ferres will demo and discuss a system that the Human-Oriented Technology Lab is currently developing: The inspectGraph system. This prototype is an application that provides both an automatic description of line graphs and the ability to interact with them. The architecture is centered around a FOL (first order logic) semantic description of a given graph. The current prototype takes an XML file as input and outputs a natural language (NL) description of that graph. We believe that the translation and summarization of data graphs into more interactive data structures such as value matrices or even text is a natural topic to relate to software for business intelligence and e-commerce analysis. We also expect the field of graph summarization to continue growing as a significant field.

Who?

Dr. Leo Ferres has a PhD in Cognitive Science from Carleton University, Ottawa, Canada. He has worked extensively in Canada, Germany and Spain as a consultant in language engineering and speech recognition and has done research on language and cognition applied to speech recognition engines and non-native accents of English. He is currently a post-doctoral fellow at the Human-Oriented Technology Laboratory at Carleton University and an instructor of computational linguistics at Carleton University and the University of Ottawa. More details can be found at <http://www.carleton.ca/~lferres>.

When and Where?

The meeting takes place on Wednesday March 30, 2005 at 7:00 pm in the Klondike Conference Room at Adobe Systems Canada in Ottawa, located at 785 Carling Avenue (near Dow's Lake, between Rochester and Preston streets) Ottawa, ON K1S 5H4 Canada.

- Free parking available on site after 6:00 PM; entrance is on Rochester Street.
- **Bus routes 6 and 85** pass in front of the Adobe Systems Canada office on Carling Avenue.
- **Bus route 3** stops on Preston St at Carling Avenue, near the Adobe Systems Canada office.
- **Bus route 4** stops on Bronson Avenue at Carling Avenue, near the Adobe Systems Canada office (10-15 minute walk)
- The **O-Train** stops at Carling Station; you can walk east long Carling Avenue from the station (3-5 minute walk).

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). Membership is for the session period (September 2004-August 2005) - anyone can join!

Refreshments will be provided for the meeting.