



**Centro Interuniversitario di Ricerca
sull'Elaborazione Cognitiva in Sistemi
Naturali e Artificiali**

Direttore: prof. Marta Olivetti Belardinelli

Via dei Marsi, 78 - 00185 Roma
E-mail: marta.olivetti @uniroma1.it

La professoressa

Inmaculada Fajardo Bravo

Cognitive Ergonomic Group
Department of Experimental Psychology
University of Granada

terrà un seminario su:

**Cognitive factors contributing to deaf users' Web
Accessibility**

Lunedì 26 Giugno 2006, alle ore 14.00
in Aula Riunioni, Dipartimento di Psicologia

Web accessibility problems of deaf people are neither well-understood nor sufficiently studied. The lack of understanding is often due to a lack of attention to the cognitive characteristics of deafness. The research we have conducted has shown that a range of cognitive processes are differentially relevant to deaf signer users and/or hearing users in web search: reading comprehension, semantic memory, episodic memory (recognition) and visuospatial working memory. In addition, the interface format (verbal vs. graphical), hypertext structure and target location interact with such cognitive processes and their functioning in each type of web user. These findings will be discussed with regard to models of web interaction (e.g. CoLiDes and SNIF-ATC). Finally, some guidelines of accessible web design for deaf and users with similar cognitive characteristics will be advanced.

Mi è gradito rivolgere l'invito.

Il Direttore
Marta Olivetti Belardinelli