



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

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La professoressa

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terrà un seminario su:

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

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

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