Workshop : Cognitive Load Measure and Cognitive Processing of Documents

Toulouse ; September 2006, 14th – 15th

Maison de la Recherche, University of Toulouse le Mirail, 5 allées Antonio Machado

Thursday 09-14 Room D30

9 h 30 Wellcome !

10 h 00 Franck Amadieu and André Tricot : Introduction

10 h 05 Session 1 : Subjective measures (chair: Mireille Bétrancourt)
Guest speaker
Annie Pauzié : Driver cognitive load evaluation using DALI, a revised version of NASA-TLX

11 h 00 Ludovic Le Bigot : Effect of modality on subjective mental workload in an information search
11 h 45 Dominique Fréard : Comparison of NASA-TLX and Workload Profile for the evaluation of workload during human computer dialogue

12 h 30 Lunch break

14 h 00 Session 2 : Eye movement (chair : Franck Amadieu)
José Canas, Leandro L. Di Stasi, Lourdes Gilabert and Adoración Antolí : Verifying the sensitivity of some saccadic indices to variation of mental workload in a visual dynamic complex task
14 h 45 Jean-Michel Boucheix, Emmanuel Schneider and Ric Lowe: Searching for workload indicators in eye movement during the processing of complex animations: fixation duration, transitions speed and saccades, pupil diameter?
15 h 30 Maud Kicka and Thierry Baccino : Cognitive load during information seeking: eye-movements investigation

16 h 15 Coffee break

16 h 30 Session 3 : Overall approach
Mireille Bétrancourt : Measuring collaboration load

20 h 00 Diner in "Le Fazoul", 2 rue Tolozane, in Toulouse

Friday 09-15 Room D31

9 h 00 Session 3 : Overall approach (chair : Thierry Baccino)
Guest speakers
Thierry Olive and Annie Piolat : Measuring cognitive load during written production and in other complex cognitive activities

10 h 00 Franck Ganier : Cognitive workload and procedural instructions processing
10 h 45 Coffee break

11 h 00 Franck Amadieu, André Tricot and Claudette Mariné : Cognitive Load Theory: a framework to study effects of hypertexts and prior knowledge on learning
11 h 45 Tamara van Gog and Fred Paas : Cognitive measurements for the design of powerful learning environments

12 h 30 Lunch break

14 h 00 Session 3 : Overall approach (chair : André Tricot)

Aline Chevalier and Julien Cegarra : Towards theoretical and methodological improvements of cognitive load study: the combination of measures

15 h30 Coffee break

16 h 00 Session 4 : Discussion : What did we learn on cognitive load measures ?

17 h 30 End of the Workshop