



WORKSHOP PROGRAM

WEDNESDAY 23rd APRIL 2008

21:00	Welcome Cocktail at the “Carmen de la Victoria” <i>The reception will be at the “Carmen de la Victoria” (Workshop venue, C/ Cuesta del Chapiz, 9). We will serve cold drinks and appetizers.</i>
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THURSDAY 24th APRIL 2008

8:30 – 9:30	REGISTRATION
9:30 -11:00	<p>Welcome Prof. Miguel Gea – Director of the “Centre of Virtual Learning”, University of Granada</p> <p>0. Workshop Overview Prof. Jose J. Cañas – Workshop Chair, University of Granada</p> <p><u>SESSION 1: Cognitive Load on Web Use I</u></p> <p>FULL PAPERS</p> <p>1. Principles to reduce extraneous load in Web-based generative learning settings Nina Hollender¹, Cristian Hofmann², Michael Deneke¹ ¹ TU Darmstadt, Hochschuldidaktische Arbeitsstelle, Germany ² TU Darmstadt, Fachgebiet Graphisch-Interaktive Systeme, Germany</p> <p>2. The importance of navigation support and reading order on cognitive load and hypertext comprehension Mari Carmen Puerta Melguizo^a, R. Ignacio Madrid^b and Herre van Oostendorp^a ^a Center for Content and Knowledge Engineering, Utrecht University,, The Netherlands ^b Department of Experimental Psychology and Physiology of Behaviour, University of Granada , Spain</p>
11:00 – 11:30	COFFEE BREAK
11:30 – 13:30	<p><u>SESSION 2: Research Methodologies and Instruments I</u></p> <p>FULL PAPERS</p> <p>3. The Impact of Graphics and Location Expectations on the Search for Webpage Widgets Gail A. Hinesley, Chadron State College, USA Marilyn Hughes Blackmon, Institute of Cognitive Science, University of Colorado at Boulder</p> <p>4. Investigating Cognitive Load by Normalized Task-Evoked Pupillary Response (NTEPRs) Thierry Baccino, Maud Kicka, & Laurent Dumercy, University of Nice Sophia-Antipolis, France</p>



	<p>SHORT PAPERS</p> <p>5. Log file analysis in Hypertext research: An overview, a meta-analysis, and some suggestions for future research Johannes Naumann, German Institute for International Educational Research, Germany</p> <p>6. Read & Answer, a tool to record on-line text processing measures in complex task environments Eduardo Vidal-Abarca^a, Raquel Cerdán^b, Ladislao Salmerón^a, Tomas Martínez^a, Ramiro Gilabert^a, Laura Gil^a & Amelia Mañá^a ^a University of Valencia ^b Catholic University of Valencia</p>
13:30 – 14:30	LUNCH
14:30 – 15:45	<p>SESSION 3: Users with Special Needs I</p> <p>FULL PAPERS</p> <p>7. An exploration of user models to enhance accessibility and usability of the Web Jenny Craven, Research Associate, CERLIM, Manchester , Metropolitan University, UK.</p> <p>SHORT PAPERS</p> <p>8. Comparison of alternative representational formats for hyperlinks: Pictogram, labeled-pictogram, and text Miki Namatame¹ and Muneo Kitajima², ¹ Tsukuba University of Technology, Japan ² National Institute of Advanced Industrial Science and Technology (AIST), Japan</p> <p>9. Older People's Representations of ICT-Services: Female Cautiousness Effect J. Leikas & P. Saariluoma , VTT & University of Jyväskylä, - Finland</p>
15:45 – 16:15	COFFEE BREAK
16:15 – 17:15	<p>SESSION 4: Individual differences I</p> <p>FULL PAPERS</p> <p>10. Using representational guidance to enhance metacognitive activity when learning on the WWW Marc Stadler & Rainer Bromme, University of Muenster, Germany</p> <p>SHORT PAPERS</p> <p>11. Self-regulated learning and link selection strategies in Hypertext Ladislao Salmerón, University of Valencia, Spain Walter Kintsch & Eileen Kintsch, University of Colorado at Boulder, USA</p>



FRIDAY 25th APRIL 2008

9:30 -11:00	<p><u>SESSION 5: Cognitive Load on Web Use II</u></p> <p>FULL PAPERS</p> <p>12. Note-taking with hypermedia: The whats and the whys Daniel C. Moos, Elizabeth Marroquin, Gustavus Adolphus College, USA</p> <p>SHORT PAPERS</p> <p>13. The effect of reading strategies and prior knowledge on cognitive load during hypertext reading R. Ignacio Madrid and José J. Cañas, University of Granada, Spain</p> <p>14. A neurousability approach to evaluate cognitive load in Web interactions Di Stasi, L., Alvarez-Valbuena, V., Antoli, A., Gea, M., and Cañas, J.J. University of Granada, Spain</p>
11:00 – 11:30	<p>COFFEE BREAK</p>
11:30 – 12:45	<p><u>SESSION 6: Users with Special Needs II</u></p> <p>FULL PAPERS</p> <p>15. How relevant is selective attention in the design of online forms for older people? Sergio Sayago & Josep Blat, Interactive Technologies Group, Universitat Pompeu Fabra, Spain</p> <p>16. How Web Accessibility Guidelines Apply to Design for the Ageing Population Andrew Arch , Shadi Abou-Zhara & Judy Brewer, World Wide Web Consortium, France</p> <p>SHORT PAPERS</p> <p>17. Web Textual Hyperlinks supported with Sign Language Videos I. Fajardo¹, E. Parra², J. J. Cañas², J. Abascal³, J.M. López³ and M. Gea⁴ ¹Business School, University of Manchester, U.K. ²Dept. of Experimental Psychology, University of Granada, Spain ³Dept. of Computer Architecture & Technology, University of the Basque Country, Spain ⁴School of Informatics, University of Granada, Spain</p>
12:45 – 13:00	<p><u>SMI Symposium on Eye & Gaze Tracking System</u></p> <p>What eye movements say about how readers process graphical overviews in hypertext Ladislao Salmerón, Dept. of Developmental and Educaitional Psychology, University of Valencia, Spain</p> <p>Expertise in Sight-reading Music: A investigation from eye movements Thierry Baccino, Dept. of Psychology, University of Nice Sophia-Antipolis, France</p>

Workshop on Cognition and the Web :
Information Processing, Comprehension and Learning

GRANADA, 24 - 26 April 2008



13:30 – 14:30	LUNCH
14:30 – 16:30	<u>SESSION 7: Comprehension & Learning I</u> FULL PAPERS 18. Processing text on the Web: The construction of mental representations Anja B. Naumann, Deutsche Telekom Labs., Berlin University of Technology 19. Effects of task, topic-specific personal epistemology an prior knowledge on superficial and deep understanding of multiple texts Laura Gil ¹ , Eduardo Vidal-Abarca ¹ , Ivar Bråten ² , Helge Strømsø ² ¹ University of Valencia, Spain , ² University of Oslo, Norway 20. Using concept maps with post graduate teachers in a web-based learning environment: a case study from Portugal Clara Pereira Coutinho João Batista Bottentuit Junior, Universidade do Minho – Braga – Portugal – SHORT PAPERS 21. A Longitudinal Perspective on the Relationship between Hypermedia Structure and Comprehension Pierre Fastrez, Université catholique de Louvain, Département de communication, Belgium
16:30 – 17:00	COFFEE BREAK
<u>21:00</u>	<u>SOCIAL DINNER & FLAMENCO SHOW</u>



SATURDAY 26th APRIL 2008

9:15 -11:00	<p><u>SESSION 8: Research Methodologies and Instruments II</u> FULL PAPERS</p> <p>22. The role of context and task complexity in Web search Herre van Oostendorp^a, R. Ignacio Madrid^b and Mari Carmen Puerta Melguizo^a ^a Center for Content and Knowledge Engineering, Institute of Information and Computing Sciences, Utrecht University, The Netherlands ^b Department of Experimental Psychology and Physiology of Behaviour, University of Granada, Spain</p> <p>23. Assessing hypertext representations with recollection Patrice Terrier & Isabelle Etcheverry, Université de Toulouse, France</p> <p>SHORT PAPERS</p> <p>24. Using Latent Semantic Analysis vs. Human Judgements assessing short summaries from expository texts Olmos, R., León, J.A. (U. Autónoma de Madrid) & Jorge-Botana, G. (U. Complutense de Madrid)</p> <p>25. Assessing Cognitive Load on Web Search Tasks Jacek Gwizdka, Dept. of Library & Information Science, Rutgers University, New Brunswick, NJ, USA</p>
11:00 – 11:30	<p>COFFEE BREAK</p>
11:30 – 13:30	<p><u>SESSION 9: Individual differences II</u></p> <p>FULL PAPERS</p> <p>26. Impact of Spatial Visualization Ability on WWW Navigation James Blustein¹, Ishtiaq Ahmed², Jason Satel², and Haris Parvaiz² ¹ Dalhousie University, Faculty of Computer Science and School of Information Management, Canada ² Dalhousie University, Faculty of Computer Science, Canada</p> <p>27. Content maps help low spatial ability users memorize link structures in hypertext Zsofia Vörös¹, Jean-François Rouet², and Csaba Pléh¹ ¹ Budapest University of Technology and Economics (BME), Hungary ² CNRS and University of Poitiers, France</p> <p>SHORT PAPERS</p> <p>28. The role of a user's cognitive style and succesful use of electronic information Jillian R. Griffiths, CERLIM, Manchester Metropolitan University, UK.</p> <p>29. Blogs and cognitive style: Which relationship? Alessandro Antonietti, Barbara Colombo, Roberta Sala, Psychology Department, Catholic University of the Sacred Heart Milan, Italy</p> <p>30. Gender patterns in hypertext reading Aristidis Protopsaltis, Department of Computing, CITY University Londn, UK Vassiliki Bouki, Department of Computer Science, University of Westminster, U.K.</p>

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13:30 – 14:30	LUNCH
14:30 – 16:00	<u>SESSION 10: Comprehension & Learning II</u> FULL PAPERS 31. Effects of prior domain knowledge on comprehension of non-linear documents Franck Amadiou, André Tricot & Claudette Mariné, University of Toulouse 32. Superficial processing when working with documents: The matching strategy Raquel Cerdán ^a , Ramiro Gilabert ^b and Eduardo Vidal-Abarca ^b a Catholic University of Valencia b University of Valencia SHORT PAPERS 33. Learning from the Web: How to deal with multiple texts Ina Wechsung ² , Anja B. Naumann ² , and Josef F. Krems ¹ 1 Chemnitz University of Technology, Germany 2 Deutsche Telekom Laboratories, Berlin University of Technology, Germany
16:00 – 16:15	<u>Workshop closing</u>