

Curriculum Vitae

MATTIAS WALLERGÅRD

General Description

I am a researcher and teacher in visualization technology and human-computer interaction. Furthermore, I am the coordinator for the visualization and simulation centre RE-FLEX at Lund university. My research is characterized by collaborations with other scientific disciplines such as occupational medicine, traffic planning, rehabilitation and occupational therapy. I am currently investigating the use of visualization technology as a tool in stress research in the FAS financed centre of excellence *METALUND*. I also have experience of working with authorities and companies such as *Vägverket*, *Banverket* and *TetraPak*. The major part of my research has required close collaboration with the university hospitals of Lund and Malmö. Furthermore, I have worked with cultural heritage institutions, mainly *Riksantikvarieämbetet* and *Kulturen i Lund*.

Contact Information

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Personal Information

Birth date February 11, 1974
Marital
status Married to Arianna Benigno
Citizenship Swedish

Education

2007 PhD in Engineering, Lund Institute of Technology, Sweden. Doctoral thesis: Virtual Environments as a Tool for People with Acquired Brain Injury.
2003 Licentiate in Engineering, Lund Institute of Technology, Sweden
2000 Master of Science in Electro-technical Engineering, Lund Institute of Technology, Sweden
1999 Film science 1-40, Lund university
1993 Upper secondary technical school, Lars Kagg gymnasium, Kalmar, Sweden

Languages

Swedish Mother tongue
English Excellent knowledge
Italian Working knowledge (level B1)
German Fair knowledge

Articles in Journals

Wallergård, M., Lindén, A., Davies, R. C., Boschian, K., Minör, U., Sonesson, B., & Johansson, G. (2007). Initial usability testing of navigation and interaction methods in virtual environments – developing usable interfaces for brain injury rehabilitation. *Presence - teleoperators and virtual environments*, 16(1), 16-44.
Wallergård, M., Eriksson J., & Johansson, G. (2008). A suggested Virtual Reality methodology allowing people with cognitive disabilities to communicate their knowledge and experiences of public transport systems. *Technology and Disability*, 19, 1-16.

Conference Articles and Posters

Jönsson, P., Wallergård, M., Karlson, B., Johansson, G., Österberg, K., Eek, F., and Eriksson, J. "Trier Social Stress Test in the Black Box: Inducing Social Stress in a Virtual Environment", Poster to be presented at *A Brain Research Meeting: Stress, Coping and Disease*, Arlington, Washington, USA, 13 - 14 November 2008.
Wallergård, M., Eriksson, J. and Johansson, G. (2008), A virtual reality methodology for eliciting

knowledge about public transport accessibility for people with acquired brain injury. *Proc 7th International Conference on Disability, Virtual Reality and Associated Technology*, Porto, pp 65-73.

- Johansson, G., Davies, R.C., Eriksson, J., Klercker, af, J., Magnusson, C., Rasmus Gröhn, K. and Wallergård, M. Virtual Reality technology - a tool for behavioural studies involving disabled people. *Measuring Behavior 2005, 5th International Conference on Methods and Techniques in Behavioral Research*, Wageningen, The Netherlands.
- Davies, R. C., Löfgren, E., Wallergård, M., Lindén, A., Boschian, K., Minör, U., Sonesson, B. and Johansson, G. (2002), A summary of three Applications of Virtual Reality for Brain Injury Rehabilitation of daily task performance, *Proc 4rd International Conference on Disability, Virtual Reality and Associated Technology*, Hungary, pp 93-100.
- Wallergård, M., Cepciansky, M., Lindén, A., Davies, R. C., Boschian, K., Minör, U., Sonesson, B. and Johansson, G. (2002), Developing virtual vending and automatic service machines for brain injury rehabilitation, *Proc 4rd International Conference on Disability, Virtual Reality and Associated Technology*, Hungary, pp 109-115.
- Johansson, G., Davies, R., Wallergård, M., Lindén, A., Boschian, K., Minör, U., Sonesson, N., (2001) Optimising a Virtual Reality Interface for Brain Injured People, *The International Conference on Computer-Aided Ergonomics and Safety 2001*, Maui, Hawaii, USA.
- Wallergård, M., Davies, R. C., Lindén, A., Boschian, K., Minör, U., Sonesson, B., Johansson, G., (2001) A Virtual cash dispenser for persons with acquired brain injury, *The International Conference on Computer-Aided Ergonomics and Safety 2001*, Maui, Hawaii, USA.
- Lindén, A., Davies, R. C., Boschian, K., Minör, U., Olsson, R., Sonesson, B., Wallergård, M. and Johansson, G. (2000), Special Considerations for Navigation and Interaction in Virtual Environments for people with Brain Injury, *Proc 3rd International Conference on Disability, Virtual Reality and Associated Technology*, Sardinia, pp 287-296.

Teaching Experience

- 2006 - 2008 Teacher in the course "Virtual Reality in theory and practice", LTH, Sweden
- 2005 - 2008 Supervisor for four master thesis projects, LTH, Sweden
- 2004 Responsible for the course "Man and technology", LTH, Sweden
- 2002 - 2004 Responsible for the course "Human-computer interaction", LTH, Sweden
- 2000 - 2002 Teacher in the course "Human-machine interaction", LTH, Sweden

Invited Lectures

- Wallergård, M (2008), Virtual Reality-teknik för brukarmedverkan, Lecture at *ID-dagarna 2008* (Swedish Institute of Assistive Technology), Factory Nacka Strand, Stockholm
- Wallergård, M (2005). Development of Virtual Reality environments for users with neuropsychological disorders, Lecture at *International workshop of experts in assistive technologies for neurorehabilitation*, San Sebastian, Spain
- Wallergård, M (2005), Den virtuella bankomaten – ett möjligt träningsverktyg för äldre personer med kognitiva problem?, Lecture at *ID-dagarna 2005* (Swedish Institute of Assistive Technology), Factory Nacka Strand, Stockholm
- Davies, R. C., Lindén A, Wallergård, M., Johansson, G., (2002), The Augmented and Virtual Reality Centre and Using Virtual Reality for Brain Injury Rehabilitation, Video conference and lecture for the University of Haifa, Mount Carmel, Haifa, Israel

Miscellaneous

- 2008 Interactive Demos Chair at *NordiCHI 2008*, October 20-22 2008, Lund, Sweden
- 2008 Receiver of scholarship from *Riksbyggens Jubileumsfond*
- 2005 Invited participant at *International Summer Workshop on Human Sensibility*, September 20-30, Kyushu University, Fukuoka, Japan.