

Curriculum Vitae **Jure Zakotnik**



Personal Information

Name: Dr. Jure Zakotnik
Address: <not in the internet version>
Date of birth,city: 28.04.1977, Maribor
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Education

October 2002 – July 2006 **University of Bielefeld, Dept. of Biological Cybernetics**
PhD in „*Biomechanics and neural control of targeted limb movements*“ (*magna cum laude*)

January 2002 – April 2002 **University of Cambridge (UK), Department of Zoology**
Development of a software system for motion capture

October 1997 – September 2002 **University of Bielefeld, Technical Faculty**
Diploma in "Informatics in Natural Sciences".
Passed with best grade (*With distinction*)

September 1988 – May 1997 **Secondary school, Espelkamp**

Awards

2004 Selected for a **Deutsche Studienstiftung** scholarship

2001 **Körper** prize for student project "*Gesture and facial expression in man-machine-communication*"

Work experience

March 2006 – **IT Consultant**
Accenture GmbH, Düsseldorf

June 2003 – **Scientific coordinator,**
(part time) Graduate programme "Structure formation processes",
Dept. of Mathematics, University of Bielefeld

April 2000 – December 2001 **Student research assistant,**
(part time) "Cognitive systems" group (I. Wachsmuth), Bielefeld
Development of software for construction tasks in virtual
reality environments.

March 2000 – April 2000 **Lecturer „Internet-Programming“,**
(part time) Windhorst Academy, Blasheim

January 1997 – December 2001 **Software-Developer,**
(part time) Laboratory for engineering consulting (Dr Dirschauer),
Nettelstedt

Skills / General Interest

Computer skills	Operating systems: Programming:	Windows, Linux, Irix C++, Java, Matlab, Perl, PHP, HTML, VRML, LaTeX, SQL
Languages	German, English, Slovene fluently French competently	
Hobbies	Basketball (player/referee), Tennis, Salsa-dancing, Theatre	

Publications

Zakotnik J, Matheson T, Dürr V (2006) *Co-contraction and passive forces facilitate load compensation of aimed limb movements*. Journal of Neuroscience, Vol 26/19, pp 4995-5007

Zakotnik J, Dürr V (2005) *Motion analysis using stochastic optimisation and posture disambiguation*. Proceedings of the AMAM Conference, Ilmenau: pp 1-6

Zakotnik J, Page K, Matheson T, Dürr V (2005) *Biomechanics and motor control of targeted limb movements in the locust*. Proceedings of the 30th Göttingen Neurobiology Conference: p 396 [Abstract]

Zakotnik J, Page K, Matheson T, Dürr V (2004) *Biomechanics and neural activity underlying targeted limb movements in the locust*. Proceedings of the 7th Intl Congress Neuroethology, Nyborg: p 170 [Abstract]

Zakotnik J, Matheson T, Dürr V (2004) *A posture optimization algorithm for model-based motion capture of movement sequences*. Journal of Neuroscience Methods, Vol 135/1-2, pp 43-54

Zakotnik J, Matheson T, Dürr V (2003) *Self-adapting model-based Motion Capture system*. Proceedings of the 29th Göttingen Neurobiology Conference: pp 365-366 [Abstract]

Bielefeld, 29.7.2006