

Tamas Makany, Ph.D.

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OBJECTIVE

Design effective and innovative training courses that understand and fit the cognitive needs of the learner. Apply scientific methodology and research to improve learning experience and efficiency.

PROFESSIONAL EXPERIENCE

Medical Affairs, Learning & Development Contractor

Gilead Sciences (<http://www.gilead.com>)

Foster City, CA 05/2010 – Present

- Design, develop and deliver learning events and content
- Manage external resources including physician speakers, content providers, and other training vendors
- Develop eLearning and other web based learning solutions
- Evaluate the impact of training programs as they relate to key performance metrics and make recommendations for improvement

Educational Researcher

Stanford, School of Education (<http://ldt.stanford.edu/~educ39109/POMI>)

Palo Alto, CA 02/2010 – 05/2010

- Evaluate and develop innovative mobile solutions and educational applications for underserved countries
- Design and statistically analyze benchmark performances of prototype learning technologies
- Consult on design-based curriculum development for students to improve their science and literacy skills
- Participate in cross-departmental collaborations between Education, Engineering and Computer Sciences
- Write-up and submit study results for peer-reviewed scientific publications

Visiting Researcher

Exploratorium (www.exploratorium.edu/partner/evaluation.html)

San Francisco, CA 02/2010 – 06/2010

- Consult on a volunteer basis to evaluate the efficiency of science learning of interactive museum exhibits
- Develop video coding scheme for behavioral analysis of museum visitors' non-verbal spatial reasoning
- Delivered presentations for staff on complex cognitive issues related to spatial memory

Associate Consultant

Cognitive Consultants International (cognitiveconsultantsinternational.com)

London, UK 06/2007 – 01/2010

- Designed and storyboarded proof-of-concept game-based training solution for telecom employees
- Assessed the UK's largest adult learning and qualification provider to identify key cognitive elements for successful improvement of future e-learning courses
- Created a human factors and personnel training road map based on a comparative scientific analysis of forensic, medical and legal experts' cognitive abilities of evidence identification
- Designed and conducted controlled behavioral studies to quantify measurable performance metrics of information management and paper-based, non-linear note-taking system
- Facilitated professional workshops for instructional designers and other L&D experts on human learning principles focused on consumer behavior and e-learning solutions

Research Assistant

University of Southampton, School of Psychology (www.soton.ac.uk)

Southampton, UK, 10/2004 – 06/2007

- Evaluated portable learning technology solutions for in-field training of geography students and professionals
- Core team member of VC Teaching Award '07 research project on e-learning navigation structures & memory

Clinical Neuropsychology Research Trainee

University of Pecs, Faculty of Medicine (<http://aok.pte.hu/spacelab>)

Pecs, Hungary, 09/2002 – 05/2004

- Conducted behavioral neuroscience experiments with imaging (MRI) and radio-immunoassay protocols
- Diagnosed, assessed and interacted with clinical patients with agoraphobia, anxiety and personality disorders
- Published extensively as co-author in peer-reviewed clinical journals including *Behavioral Neuroscience*, *Psychiatry Research: Neuroimaging* and *Behavioural Brain Research*

TEACHING EXPERIENCE

Adjunct Professor* for *Cognitive & Affective Foundations of Behavior* course for PsyD clinical doctorate students at California Institute of Integral Studies (CIIS) in San Francisco, CA (*From the Fall 2010 semester)

Teaching Assistant for *Biological Psychology* and *Research Methods (SPSS, Statistics)* courses at the University of Southampton, UK (10/2004 – 01/2007)

Adjunct Teacher for *Introduction to Psychology* course for high school students in Hungary (09/2003–08/2004)

SOFTWARE KNOWLEDGE (SELECTED)

Analytics: SPSS, MatLab, EthoVision, StudioCode

CMS: Drupal, MediaWiki

LMS: Blackboard, Moodle, WebCT

Authoring: PowerPoint, Keynote, Captivate, Articulate, CourseLab, SumTotal, BrainsHark

LANGUAGE PROFICIENCY (OTHER THAN ENGLISH)

Hungarian (native)* -- Bilingual English-Hungarian Medical proof-reader and translator

Italian (conversational)

German (basic)

Hebrew (reading)

PROFESSIONAL DEVELOPMENT, & AFFILIATIONS

Complex Systems Summer School participant – Santa Fe Institute, NM, 06/2006 - 07/2006

APA (American Psychological Association) – Member, Since 2007

EDUCATION

Ph.D., *Cognitive Psychology*, University of Southampton, UK, 10/2005 - 05/2009

Dissertation: Strategies of human spatial memory & cognition

M.Sc., *Research Methods*, University of Southampton, UK, 10/2004 - 05/2005

Dissertation: Identifying exploration patterns (Graduated with distinction)

M.A., *Psychology*, University of Pecs, Hungary, 09/1999 - 05/2004

Thesis: Spatial orientation in a virtual environment

SELECTED PUBLICATIONS

Kim, P., **Makany, T.**, et al. Effective mobile learning technology with parental involvement and socioeconomic support: A comparative analysis of two underserved schools in Mexico (Submitted)

Makany, T., Kemp, J., & Dror, I.E. (2009). Optimising the use of note-taking as an external cognitive aid for increasing learning. *British Journal of Educational Technology*, 40(4), 619-635.

Kallai, J., **Makany, T.**, et al. (2007). Cognitive and affective aspects of thigmotaxis strategy in humans. *Behavioral Neuroscience*, 121, 21-30.

Kallai, J., Csatho, A., Kover, F., **Makany, T.**, et al. (2005). MRI-assessed volume of left and right hippocampi in females correlates with the relative length of the second and fourth fingers (the 2D:4D ratio). *Psychiatry Research: Neuroimaging*, 140, 199-210.

SELECTED PRESENTATIONS

“The role of the brain in learning with technology” at **Europe’s largest L&D conference** – London, April 2008

“Giving the e-learners control of navigation: Cognitive gains and losses” at **INTED** – Valencia, Spain, 2007

“Strategy and memory” poster at **IBRO World Congress of Neuroscience** – Prague, Czech Republic, 2003
