Ing. Ladislav Čmolík, Ph.D.

Contact Information

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Personal Details

Date of Birth	January 31st 1980
Place of Birth	Prague, Czech Republic
Citizenship	Czech
Gender	Male
Marital status	Married, 1 child
Languages	Czech (native), English (advanced)

Education

2005–2011	Czech Technical University in Prague, *Degree*: Ph.D. *Doctoral thesis*: Interactive Illustrative Visualization of 3d Models
2003	Hochschule für Technik und Wirtschaft Dresden, 1 month scholarship
1998–2005	Czech Technical University in Prague, *Degree*: Ing. *Master thesis*: Transformation of 3d Scenes to 2d for Mobile Environment (*Awarded as excellent thesis by dean of Faculty of Electrotechnical Engineering*)
1994–1998	Secondary Technical School, *Specialization*: Electronic Computer Systems

Employment History

2013–2014	*Researcher:* University of West Bohemia, New Technologies for the Information Society, European Centre of Excellence

2012	*Researcher:* Czech Technical University in Prague, V3C: Visual Computing Competence Center, TAČR, No.TE01020415.
2012	*Researcher:* University of West Bohemia, VPHOP: Osteoporotic Virtual Physiological Human, FP7, ICT, No.223865.
2010–now	*Assistant professor:* Czech Technical University in Prague,
2008–2009	*Teaching assistant:* Czech Technical University in Prague.
2008–2011	*Researcher:* Czech Technical University in Prague, Vital mind. FP7, ICT, No.215387.
2006–2008	*Researcher:* Czech Technical University in Prague, ELU - Enhanced Learning Unlimited, FP6, IST, No.4-027866.
2003–2006	*Web developer:* VIGOUR OMEGA spol. s.r.o.

Publications

[1] J. Balata, L. Čmolík, and Z. Míkovec. On the selection of 2d objects using external labeling. In *Proceedings of the 32nd Annual ACM Conference on Human Factors in Computing Systems*, CHI '14, pages 2255–2258, New York, NY, USA, 2014. ACM.

[2] O. Poláček, I. Malý, L. Čmolík, F. Hanzl, Z. Míkovec, and P. Slavík. Návrh uživatelského rozhraní interaktivní digitální televize pro seniory. In *Stárnutí 2012*, pages 109–117, Praha, 2012. Psychiatrické centrum Praha.

[3] L. Čmolík. *Interactive Illustrative Visualization of 3D Models*. PhD thesis, Czech Technical University in Prague, 2011.

[4] L. Čmolík and J. Bittner. Layout-aware optimization for interactive labeling of 3d models. *Computers & Graphics*, 34(4):378–387, 2010.

[5] Z. Míkovec, L. Čmolík, and P. Slavík. Usability issues in ict assisted learning. In *Proceeding of the XXII. Didmattech 2009*, pages 77–81, Trnava, Slovakia, 2010. Trnava University.

[6] L. Čmolík, Z. Míkovec, and P. Slavík. Prototyping tool for t-learning courses. In *Proceedings of the XXI. Didmattech 2008*, pages 61–65, Eger, Hungary, 2009. Esterházy Károly College.

[7] L. Čmolík. Relational transparency model for interactive technical illustration. In *Smart Graphics*, volume 5166/2008 of *LNCS*, pages 263–270, Berlin, Germany, 2008. Springer.

[8] L. Čmolík, Z. Míkovec, P. Slavík, and B. Mannová. Personalized e-learning in interactive digital television environment. In *Proceedings of the IADIS International Conference WWW/Internet 2007*, pages 35–39, Lisboa, Portugal, 2007. IADIS Press.

[9] L. Čmolík. Resolution-independent rendering. In *Proceedings of Spring Conference on Computer Graphics 2006*, pages 81–88, Bratislava, Slovakia, 2006. Comenius University.

[10] M. Klíma, L. Čmolík, and P. Slavík. Collaborative learning in mobile environment. In *Proceedings of the IADIS International Conference on Cognition and Exploratory Learning in Digital Age 2006*, pages 335–339, Lisboa, Portugal, 2006. IADIS Press.

[11] Z. Míkovec, L. Čmolík, J. Kopsa, and P. Slavík. Beyond traditional interaction in a mobile environment: New approach to 3d scene rendering. *Computers & Graphics*, 30(5):714–726, 2006.

[12] L. Čmolík. Transformation of 3d models to 2d for mobile environment. Master's thesis, Czech Technical University in Prague, 2005.

[13] P. Slavík, L. Čmolík, and Z. Míkovec. Object based manipulation with 3d scenes in mobile environment. In *Dagstuhl seminar proceedings 05181 Mobile Computing and Ambient Intelligence: The challenge of multimedia*, Schloss Dagstuhl, Germany, 2005. IBFI.

[14] L. Čmolík and M. Uller. Point cloud morphing. In *Proceedings of the 7th Central European Seminar on Computer Graphics*, pages 97–105, Vienna, Austria, 2003. Technische Universität Wien.

Computer Skills

Operating systems:

- Windows Vista, 7, 8 - advanced user
- Linux (Ubuntu) - advanced user

Programming languages: C/C++, Java, JavaScript, Python

Other: HTML, CSS, XML, XSLT, SVG, OpenGL, GLSL