Curriculum Vitae

Personal Information

RNDr. Miloš Liška PhD., born on 25. 11. 1980 in Ostrava, Czech Republic, married

Address: Pod Nemocnicí 37, 625 00 Brno, Czech Republic
E-mail: xliska@fi.muni.cz
E-mail: mliska@gmail.com
Mobile: +420 607 828 362

Workplace

CESNET, z. s. p. o.
Zikova 4, 160 00 Praha 6, CZ

Faculty of Informatics
Masaryk University
Botanická 68a, 60200 Brno, Czech rep.
E-mail: xliska@fi.muni.cz
Phone: +420 549 49 6183

Employment position

Researcher with CESNET z.s.p.o

ICT analyst and infrastructure administrator with Masaryk University

Academic Background

2010: PhD., Faculty of Informatics, Masaryk university, Brno, Czech rep.
Thesis: Self-organizing Collaborative Environments

2008: RNDr., Faculty of Informatics, Masaryk university, Brno, Czech rep.

2005: Mgr. (MSc. equiv.), Faculty of Informatics, Masaryk university, Brno, Czech rep.
Thesis: Design and Implementation of Capturing, Transmission, and Display of Stereoscopic Video in DV Format

2003: Bc. (BSc. equiv.), Faculty of Informatics, Masaryk university, Brno, Czech rep.
Thesis: Audio, Video and Static Images Processing for Lectures Recording

Academic/Research Interests and Other Work Experience

High speed computer networks applications focused on high-definition multimedia transmissions.

Applications of video compression algorithms, audio and video processing. Videoconferencing and collaborative environments.

Design of lecture halls, seminar rooms and meeting rooms. Design of related AV and videoconferencing equipment.

Professional Development

2010–up to now: analyst, infrastructure administrator and programmer working for Metacentrum, CESNET and European Grid Initiative (EGI)

2007: 4 months full-time internship at Center for Computation & Technology, Louisiana State University, Baton Rouge, LA, USA

2006–2008: employed as junior researcher on EuroCareCF and Ithanet projects (Telenetworking work package), CESNET

2004–2010: researcher working on the "Virtual collaborative environment" project, CESNET

2003: collaboration on the "Multimedia transmissions" project, CESNET

2003–up to now: Lectures recording project at Faculty of Informatics, Masaryk university

Selected publications

- Miloš Liška, Petr Holub, Andrew Lake, and John Vollbrecht. CoUniverse Orchestrated Collaborative Environments with Dynamic Circuit Networks. In *The Ninth International Conference on Networks ICN 2010*, Menuires, France, 2010. To appear.

- Miloš Liška. On Media Streams Planning Problem in CoUniverse. In *5th Doctoral Workshop on Mathematical and Engineering Methods in Computer Science (MEMICS 2009)*, pages 126–135, Znojmo, Czech Republic, 2009.

- Miloš Liška and Petr Holub. CoUniverse: Framework for building self-organizing collaborative environments using extreme-bandwidth media applications. In *Lecture Notes in Computer Science vol. 5415 Euro-Par 2008 Workshops – Parallel Processing*, pages 339–351, Las Palmas de Gran Canaria, Spain, 2008. Springer Berlin / Heidelberg.

- Luděk Matyska, Eva Hladká, and Miloš Liška. High quality large scale virtual classroom. In *Proceedings of the 14th International Conference of European University Information Systems (EUNIS 2008)*, page 4, Arhus, Denmark, 2008. Aarhus University.

- Andrei Hutanu, Yufeng Xin, Steven Thorpe, Petr Holub, Ravi Paruchuri, Daniel Eiland, and Miloš Liška. Uncompressed HD video for collaborative teaching - an experiment. In *The 3rd International Conference on Collaborative Computing: Networking, Applications and Worksharing*, pages 253–261, White Plains, New York, 2007. ICST.

- Miloš Liška, Eva Hladká, and Vít Rusňák. Automated hypermedia authoring for individualized learning. In *Proceedings of the 8th International Technology Based Higher Education and Training*, pages 131–135, Kumamoto, Japan, 2007. Kumamoto University.

- Petr Holub, Eva Hladká, Michal Procházka, and Miloš Liška. Secure and pervasive collaborative platform for medical applications. *Studies in Health Technology and Informatics*, 126:229–238, 2007.

- Petr Holub, Luděk Matyska, Miloš Liška, Lukáš Hejtmánek, Jiří Denemark, Tomáš Rebok, Andrei Hutanu, Ravi Paruchuri, Jan Radil, and Eva Hladká. High-definition multimedia for multiparty low-latency interactive communication. *Future Generation Computer Systems*, 22(8):856–861, 2006.

- Andrei Hutanu, Gabrielle Allen, Stephen D. Beck, Petr Holub, Kaiser Hartmut, Archit Kulshrestha, Liška Miloš, Jon MacLaren, Luděk Matyska, Ravi Paruchuri, Steffen Prohaska, Ed Seidel, Brygg Ullmer, and Shalini Venkataraman. Distributed and collaborative visualization of large data sets using high-speed networks. *Future Generation Computer Systems*, 22(8):1004–1010, 2006.

- Petr Holub and Miloš Liška. High-definition video transmissions for medical applications and education. *Technol. Health Care*, 13(5):398–400, 2005.

April 14, 2011