

Ilya Markov

PERSONAL INFORMATION Address: University of Lugano, Faculty of Informatics, Via G. Buffi 13, CH-6904 Lugano, Switzerland
Phone: +41 76 726 09 52
E-mail: ilya.markov@usi.ch
Homepage: <http://sites.google.com/site/ilyamarkov>
Nationality: Russian Federation

RESEARCH INTERESTS Resource Selection, Vertical Selection, Score Normalization, Results Merging, Data Fusion, Document Score Distributions, Dynamic Collections.

EDUCATION AND RESEARCH EXPERIENCE 2008 – until now: PhD student at the Information Retrieval Group, University of Lugano, Faculty of Informatics
Research Topic: Modeling Document Score Distributions for Resource Selection and Score Normalization
Scientific Adviser: Professor Fabio Crestani

2006 – 2008: Researcher at the Information Management Research Group, Saint-Petersburg State University, Faculty of Mathematics and Mechanics, Computer Science Department
Research Topic: Adaptive Fusion of Multiple Image Features
Scientific Adviser: Professor Boris Novikov

2001 – 2006: Diploma of Higher Education, Saint-Petersburg State University, Faculty of Mathematics and Mechanics
Major: Computer Science and Software Engineering
Minor: Mathematics
Average Grade: 4.6 of 5

STRENGTHS Information Retrieval, Statistics, Algorithms and Data Structures, Databases

IMPORTANT PUBLICATIONS I. Markov, A. Arampatzis and F. Crestani. Unsupervised Linear Score Normalization Revisited. To be published in *Proceedings of the ACM SIGIR*, 2012.

I. Markov. Modeling document scores for distributed information retrieval. In *Proceedings of the ACM SIGIR*, Beijing, China, pages 1321–1322, 2011.

I. Markov and F. Crestani. Defining the dynamicity and diversity of text collections. In *Proceedings of the ECDL*, Glasgow, UK, pages 474–477, 2010.

M. Keikha, M. Carman, R. Gwadera, S. Gerani, I. Markov, G. Inches, A. A. Azrinudin, and F. Crestani. University of Lugano at TREC 2009 Blog Track. Technical report, 2009.

GRANTS AND SCHOLARSHIPS

- Travel Support Grant from the ACM SIGIR, Beijing, China, 2011
- Short-Term Scientific Mission at the Intelligent Systems Laboratory, Alexander Technology Educational Institute of Thessaloniki, Greece, 2011

- Short-Term Scientific Mission at the Information Retrieval Group, University of Glasgow, Glasgow, UK, 2010
- Attendance Support from the European Summer School in Information Retrieval (ESSIR), Padua, Italy, 2009
- Intel Student Research Scholarship 2007-2008
- Russian Foundation for Basic Research Grant 07-07-00268a (partial support)
- Yandex Internet-Mathematics Grant 2007

SCHOOLS

- *Member of the Organizing Committee* at the Russian Summer School in Information Retrieval (RuSSIR), St. Petersburg, Russia, 2011
- *Lecturer* at the Yandex Summer School in Distributed Computing, Moscow, Russia, 2011
- *Lecturer* at the Russian Summer School in Information Retrieval (RuSSIR), Voronezh, Russia, 2010
- European Summer School in Information Retrieval (ESSIR), Padua, Italy, 2009
- Russian Summer School in Information Retrieval (RuSSIR), Yekaterinburg, Russia, 2007

OTHER RESEARCH ACTIVITIES

Tutorial on Distributed Information Retrieval:

- Yandex Summer School in Distributed Computing, Moscow, Russia, 2011
- Russian Summer School in Information Retrieval (RuSSIR), Voronezh, Russia, 2010
- European Conference on Information Retrieval (ECIR), Milton Keynes, UK, 2010

Reviewer: Information Processing & Management (IPM), String Processing and Information Retrieval Symposium (SPIRE), ACM SIGIR Posters

TEACHING ASSISTANTSHIP

Autumn 2011/12: Information Retrieval, 3rd year BCS, University of Lugano, Faculty of Informatics.

Spring 2010/11: Theory of Computation, 3rd year BCS, University of Lugano, Faculty of Informatics.

Spring 2009/10: Theory of Computation, 3rd year BCS, University of Lugano, Faculty of Informatics.

Autumn 2009/10: Web-Development, 2nd year BCS, University of Lugano, Faculty of Informatics.

Spring 2008/09: Theory of Computation, 3rd year BCS, University of Lugano, Faculty of Informatics.

Spring 2007/08: Java Programming Language, 1st year BCS, Saint-Petersburg State University on Information Technologies, Mechanics and Optics

Autumn 2007/08: Database Management Systems, 1st year MCS, Saint-Petersburg State University

TECHNICAL SKILLS Sun Certified Java 5.0 Programmer, L^AT_EX, Lucene, Terrier, Lemur, Eclipse, SVN, Linux shell, SQL

LANGUAGES Russian - mother tongue, English - fluent, Italian - advanced.