Filip Železný

born on March 5,1974

`http://ida.fel.cvut.cz/zelezny`

11/2015	*Professor* of Computer Science, CVUT Prague
9/2013 - 12/2015	*Chair*, Dept. of Computer Science, Faculty of Electrical Engineering, CVUT Prague
11/2010 - 11/2015	*Associate Professor*, CVUT Prague
3/2004 - 11/2010	*Assistant Professor*, CVUT Prague
9/2004 - 11/2004	*Visiting Professor*, State Univ. of New York in Binghamton
3/2003 - 3/2004	*Postdoctoral Researcher*, Univ. of Wisconsin in Madison
3/2003	*Ph.D.*, CVUT Prague

Research: Head of the *Intelligent Data Analysis lab* at CVUT FEL focusing on *relational machine learning*, *inductive logic programming* and *bioinformatics*. Most important contributions in *fast relational feature construction*, *randomized search in subsumption lattices* and *algorithms for mining genomic data (expression, sequences)*

Awards: A. Svoboda Award for the *Best 2021 Dissertation* to my Ph.D. student G. Šír by the Czech Society for Cybernetics and Informatics, ILP 2017 *best paper* award; 2017 Machine Learning Journal soccer prediction challenge *first place*; IDA 2016 *frontier prize* for the best conference paper; Werner von *Siemens prize for the best innovation* in the Czech Republic in 2015, EMCSR 2002 *best paper* award

Editorial Board Member: *Machine Learning Journal* (Springer), *Journal of Data Semantics* (Springer, till 2021)

Editor: *Machine Learning* 109 - ILP 2019 spec. issue; *Machine Learning* 93(1) - ECML PKDD 2013 spec. issue; *Data Mining and Knowledge Discovery* 27(3) - ECML PKDD 2013 spec. issue; *Machine Learning* 94(1) - ILP 2012 spec. issue; *Machine Learning* 76(1) - ILP 2008 spec. issue; Springer *LNCS* 8188 - ECML PKDD 2013 proceedings; Springer *LNCS* 7842 - ILP 2012 proceedings, Springer *LNCS* 5194 - ILP 2008 proceedings, Springer *SCI* 220 - Knowledge Discovery Enhanced with Semantic and Social Information, 2008

Conference Chair: *ECAI 2014* - local co-chair, *ECML/PKDD 2013* - conference chair and program co-chair, *ILP 2012* - program co-chair, *ILP 2008* - conference chair and program co-chair

Invited Keynote Talks: Relational Machine Learning - *CLA 2018* (Int. Conf. on Concept Lattices and Their Applications); Semantic Web and Machine Learning: Time to Re-Sync - *KESW 2016* (Inf. Conf. on Knowledge Engineering and Semantic Web); Planning to learn: Recent developments and future directions - *PlanLearn 2012* (ECAI 2012 workshop on planning to learn); Taming the Complexity of Inductive Logic Programming - *SOFSEM 2010* (Int. Conf. on Current Trends in Theory and Practice of Computer Science)

Journal Papers: cca 30 papers in journals including *Journal of Artificial Intelligence Research*, *Machine Learning*, *Data Mining and Knowledge Discovery*, *BMC Bioinformatics*, *BMC Genomics*, *Journal of Biomedical Informatics*, *Transplantation*

Other Publications: 100+ papers in conferences including *ICML*, *ECML/PKDD*, *ILP*, *IDA*, 5 book chapters, 2 US patents. Full publication list at `http://ida.fel.cvut.cz/zelezny/publications.html`

Dissertations Supervised to Degree: Petr Ryšavý - *Efficient genome similarity estimation for learning from sequencing data* (2023), Gustav Šír - *Deep Learning with Relational Logic Representations* (2021), Radomír Černoch - *Lock-Chart Solving* (2018), Matěj Holec - *Set-Level Classification of Gene Expression Data* (2015), Petr Buryan - *Refinement Action-based Framework for Utilization of Softcomputing in Inductive Learning* (2014), Andrea Szabóová - *Predictive Modeling of Protein-DNA Interaction through Relational Learning* (2013), Ondřej Kuželka - *Fast Construction of Relational Features for Machine Learning* (2013), Monika Žáková - *Exploiting ontologies and higher-order knowledge in relational machine learning* (2012)

Research Projects: Principal investigator in 20 funded projects: Czech Science Foundation (8), Czech Ministry of Education (5), European Commission (3), Czech Technology Agency (1), Czech Academy of Sciences (1), Czech Ministry of Defense (1), Czech Technical University (1)

Contractual Research: P/I in several contractual research projects totaling over 700k EUR (*CISCO Systems, Assa Abloy, Czech Ministry of Defense*)

Scientometry: (as of 1/24) Web of Knowledge h-index 14 (539 citations), Scopus h-index 15 (840 citations), Google Scholar h-index 22 (1877 citations)