Curriculum Vitae

I. Personal Data

Name:	**Mykola Pechenizkiy**	*Office*:	HG 7.82. Information Systems Group
Date of Birth:	July 10, 1979		Department of Computer Science
Place of Birth:	Kharkiv, Ukraine		Eindhoven University of Technology (TU/e)
Nationality:	Ukraine		P.O. Box 513, 5600 MB Eindhoven
Residence:	The Netherlands		The Netherlands
Civil Status:	Married, one child	*Tel.*:	+31(0)40 247 4977
Languages:	Russian and Ukrainian: native	*Fax*:	+31(0)40 246 3992
	English: fluent	*e-mail*:	m.pechenizkiy@tue.nl
	Dutch and Finnish: very basic	*www*:	http://www.win.tue.nl/~mpechen

II. Educational Qualifications

Year	Degree	University	Place	Subject
2005	Doctor of Philosophy (Ph.D.) Thesis: "Feature Extraction for Supervised Learning in Knowledge Discovery Systems"	University of Jyväskylä	Jyväskylä, Finland	Computer Science and Inf. Systems
2004	Licentiate of Philosophy (Ph.Lic) Thesis: "Feature Extraction for Classification: Issues of Intelligent Integration"	University of Jyväskylä	Jyväskylä, Finland	Computer Science and Inf. Systems
2001	Master of Science (M.Sc.) (Excellent M.Sc. Thesis Award) Thesis: "PCA-based FE for Classification"	University of Jyväskylä	Jyväskylä, Finland	Mobile Computing
2001	Master of Science (M.Sc.) (Diploma with Distinction) Thesis: "Computerised Adaptive Testing"	National Univ. of Radioelectronics	Kharkiv, Ukraine	Software Engineering
2000	Bachelor of Computer Science (B.Sc.) (Diploma with Distinction)	National Univ. of Radioelectronics	Kharkiv, Ukraine	Software Engineering

III. Professional Career

Time	Position	Institution
01.10.2006 – till now	Assistant Professor at Information Systems group *current research interests*: application aspects of DM/KDD	Dept. of CS, TU/e, the Netherlands
01.01.2006 – 30.09.2006	Researcher (Post-doctoral) *research interests*: time-series data mining, concept drift	Faculty of IT, University of Jyväskylä, Finland
01.03.2002 – 31.12.2005	Researcher & Doctoral Student *research interests*: DM/KDD; feature extraction; ensembles	Dept. of CS & IS, University of Jyväskylä, Finland
Fall 2005	Part-time Lecturer, course taught – "Introduction to DM and KDD"	Dept. of CS & IS, University of Jyväskylä, Finland
15.01.2001 – 28.02.2002	Software Developer, System Architect	Niilo Mäki Institute, Finland

IV. Visiting Positions

Time	Institution	Financed by	Inviting Person
June 2010 (2 weeks)	Dept. of CS and IS, University of Jyväskylä, Finland	TU/e	Prof. Seppo Puuronen, Dept. CS&IS, JYU
July 2009 (1 week)	Dept. of CS and NA, University of Cordoba, Spain	U.Cordoba & TU/e	A/Prof. Sebastian Ventura, Dept. CS., U.Cordoba
Aug 2009 (2 weeks)	Dept. of Math. IT, University of Jyväskylä, Finland	TEKES, Finland	Prof. Tommi Kärkkäinen, Dept of MIT, JYU
June 2008 (2 weeks)	Dept. of CS and IS, University of Jyväskylä, Finland	Academy of Finland	Prof. Seppo Puuronen, Dept. CS&IS, JYU
Oct 2007 (1 week)	AI and Decision Support Lab (LIAAD), U. of Porto, Portugal	U.Porto	Dr. Alípio Jorge & Dr. Carlos Soares, LIAAD, U.Porto
Aug 2007 (4 weeks)	Dept. of CS and IS, University of Jyväskylä, Finland	Academy of Finland	Prof. Seppo Puuronen, Dept. of CS&IS, JYU
Nov 2006 (4 weeks)	Dept. of Math. IT, University of Jyväskylä, Finland	JYU & TU/e	Prof. Tommi Kärkkäinen, Dept of MIT, JYU
17.06.2005 – 6.08.2005	Machine Learning Group, Dept. CS, Trinity College Dublin, Ireland	TCD & JYU	Prof. Pádraig Cunningham Dept. CS, TCD
31.03.2003 – 30.04.2003	Machine Learning Group, Dept. CS, Trinity College Dublin, Ireland	TCD & JYU	Prof. Pádraig Cunningham Dept. CS, TCD
01.09.2002 – 30.11.2002	NI Knowledge Engineering Lab, University of Ulster, U.K.	U.Ulster & JYU	Dr. David W. Patterson, Faculty of Informatics, U.Ulster

V. Teaching Experience

Time	Title	Responsibility	Institution
Fall 2009, Fall 2010	Web Information Systems (master)	Lecturer	TU/e, the Netherlands
Fall 2009, Fall 2010	Information Systems seminar (master)	Lecturer	TU/e, the Netherlands
Every Fall 2007 - 2010	Information Retrieval (master)	Lecturer	TU/e, the Netherlands
Spring 2009, Spring 2010	Database Technology (USI Postmaster program)	Lecturer	TU/e, the Netherlands
Fall 2009	SIKS/LOIS Course on Process Mining and Data Mining (intensive one day course)	Lecturer	SIKS, the Netherlands
Fall 2007, Fall 2008	Data Modeling and Databases (bachelor)	Instructor	TU/e, the Netherlands
Fall 2008, Spring 2009	Information Systems Capita Selecta (master)	Lecturer	TU/e, the Netherlands
Spring 2008, Spring 2009	Human-Machine Interaction (bachelor)	Instructor	TU/e, the Netherlands
Fall 2008	Educational Data Mining (an intensive one-day course)	Lecturer	Open Univ., Netherlands
Spring 2007	Information Retrieval and Data Mining (master)	Lecturer	TU/e, the Netherlands
Nov 2006	Introduction to Business Intelligence and Data Mining	Lecturer	JYU, Finland
Sep 2005	Introduction to Data Mining and Knowledge Discovery from Databases (an intensive two-week course)	Lecturer	JYU, Finland

VI. Research Projects

Time	Project Title	Role	Funding
Feb 2008 – Jan 2012	Generic Adaptation Framework (GAF)	Co-Promoter	NWO, the Netherlands
Sep 2008 - Aug 2012	Handling Concept Drift in Adaptive Information Systems (HaCDAIS)	Promoter	NWO, the Netherlands
2009 - 2013	Complex Patterns in Streams (COMPASS)	Team member	NWO, the Netherlands
2009 - 2010	Medical Information Processing (MIP)	TU/e partner	KWR, the Netherlands
Feb 2008 - Feb 2011	Generic Responsive Adaptive Personalized Learning Environment (GRAPPLE)	TU/e partner	EU FP7 STREP
2003-2006 (9 months in 2006)	Development of Advanced CFB for Clean and Efficient Coal Power (CLEFCO)	Subcontractor	EU Research Fund for Coal & Steel (RFCS)
Jan 2002 - Dec 2006	Feature Extraction for Classification in Knowledge Discovery Systems	Researcher	CoMaS, Finland (personal grant)

VII. PhD Students

Time	Topic	PhD Student	Funding
Feb 2008 – Jan 2011	Generic Adaptation Framework (GAF)	Evgenii Knutov	NWO
Sep 2008 - Aug 2012	Handling Concept Drift in Adaptive Information Systems (HaCDAIS)	Jorn Bakker	NWO
Jan 2010 - Jan 2014	Decision Management in a Direct Channel Context	Guido Budziak	Adversitement

VIII. Visiting Researchers

Time	Visitor	Topic	Funding
Aug 2010	Dr. Oleksiy Mazhelis U. Jyväskylä (JYU), Finland	Context-aware Route Prediction	LOIS & JYU
Aug 2010	Dr. Albert Bifet U. Waikato, New Zealand	Handling Concept Drift with MOA	LOIS & TU/e
Nov 2009 Apr-July 2009	Indrė Žliobaitė (PhD) U. Vilnius, Lithuania	Handling Concept Drift	LOIS & TU/e
Sep-Dec 2009	Amelia Zafra (PhD/Postdoc) U. Cordoba, Spain	Feature selection in MIL	U. Cordoba
Sep-Dec 2009 Aug-Sep 2010	Pedro Toledo (PhD) U. de La Laguna, Spain	Data & Process mining	LOIS & Spanish Ministry
Nov 2009	A/Prof. Sebastian Ventura U. Cordoba, Spain	Educational Data Mining	LOIS & U. Cordoba
Nov 2009	Dr. Carlos Soares, U.Porto, Portugal	Meta-learning & context-awareness	LOIS & U. Porto
July 2009	Dr. João Moreira, U.Porto, Portugal	Bus travel time prediction	LOIS & U. Porto
Feb-Apr 2009	Andriy Ivannikov (PhD) U. Jyväskylä (JYU), Finland	Online mass flow estimation (CFB)	TEKES

IX. Supervision of Graduation project s and Internships

Time	Thesis Title	MSc Student	Funding
	MastersPortal: Context-Aware Information Retrieval and Recommendation (MSc)	Thijs Putman	MastersPortal
Feb 09 – Feb 10	Data mining for Patient Modeling and Adaptation of Medical Information Services (MSc)	Goran Manev	Philips
Sep 09 – Feb 10	Cost-Sensitive Food Wholesales Prediction (MSc)	Priyan Vasanthapriyan	TU/e & Sligro
Feb 09 – Aug 09	Index and Retrieve Ham, not Spam: Web Page Segmentation and Structure Analysis for Eliminating Non-relevant Content (MSc)	Samuel Louvan	Teezir
Feb 09 – Aug, 09	Cross-Channel Data Mining for Improving Internal Search and Recommendations (MSc)	Mehmet Cubuk	Adversitement
Oct 08 – Mar, 09	Predicting Student's Success (Intern)	Gerben W. Dekker	TU/e (EE)
Feb 09 – Dec 09	Generic Framework for the Predictive Visualization of Project Management (Intern)	Vincent van der Weele	Adversitement
May 09 – Feb 10	Educational Data and Process Mining (MSc)	Wouter de Boer	TU/e
Mar - Sep 2008	Cross Channel Self Service Usage Analysis (MSc)	Guido Budziak	Adversitement
Mar - Sep 2008	Data driven knowledge-based systems for stock replenishments (MSc)	Patrick Meulstee	Sligro Foodgroup NV
Jun – Dec 2007	Tracking the Brain Selecting Internet Information: an Eye-Tracking Study on Evaluation Criteria (MSc)	Ludo W. van Meeuwen	TU/e & OU Nederlands
Sep – Dec 2007	Website Self Service Optimization (Intern)	Guido Budziak	TU/e & Adversitement
Feb - Jun 2007	Automatic classification of Dutch legal documents (MSc)	S.W. (Bas) Gijzen	TU/e & C-Content

X. Other Professional Activities

Guest Editor:

- Special Issue on "Knowledge discovery and computer-based decision support in biomedicine", Artificial Intelligence in Medicine, 50(1), Elsevier, 2010.
- Special Issue on "Biomedical Data Mining", Data & Knowledge Engineering, 68(12), Elsevier, 2009.

Organizing Committee:

- The 4th International Conference on Educational Data Mining (EDM 2011) **Conference Co-Chair**
- 22nd ACM Conference on Hypertext and Hypermedia (ACM HT 2011) Workshops and Tutorials Co-chair
- Handling Concept Drift in AIS: *Importance, Challenges and Solutions* (HaCDAIS'2010) Workshop Co-Chair at ECML/PKDD'2010;
- Architectures and building blocks of web-based user-adaptive systems (WABBWUAS'2010) Workshop Co-Chair at UMAP'2010;
- LOIS Workshop Process Mining meets Data Mining (PMDM'09) Co-organizer
- Educational Data Mining (EDM@ISDA'09) Workshop Co-Chair at ISDA'09
- Dynamic and Adaptive Hypertext: Generic Frameworks, Approaches and Techniques (DAH'09) Workshop Co-Chair at HT'2009;
- The 20th Belgian-Dutch-Luxemburg Conference on Artificial Intelligence (BNAIC'09) Industry Track Chair & Local co-organizer
- 21st IEEE Symposium on Computer-Based Medical Systems (IEEE CBMS 2008) **Programme Chair**;

- Special Tracks Co-Chair at IEEE CBMS 2009 and IEEE CBMS'06;
- Induction of Process Models (IPM'08) Workshop Co-Chair at ECML/PKDD'2008
- Dutch-Belgian Database Day (DBDBD'07) Local co-organizer;
- Educational Data Mining (EDM@ICALT07) Workshop Co-Chair at IEEE ICALT'07;
- Applying Data Mining in e-Learning (ADML'07) Workshop Co-Chair at EC-TEL'2007;
- Data Mining Special Track Chair at IEEE CBMS'05 - IEEE CBMS'2010 (evolved into Knowledge Discovery and Decision Support in Biomedicine Special Track);
- Philosophies and Methodologies for Knowledge Discovery (PMKD'06) Workshop Co-chair.

Program Committee:
- ICDM 09, ICDM'10 - Industrial Conference on Data Mining;
- EDM'09, EDM'10 - Int. Conference on Educational Data Mining;
- ECML/PKDD'08, ECML/PKDD'10 European Conference on Machine Learning;
- DMBiz'06, DMBiz'07 Workshops on Data Mining for Business (at ECML/PKDD'06, at PAKDD'07);
- SUEMA'08, SUEMA'07 Workshops on Supervised and Unsupervised Ensemble Methods and Their Applications (at ECAI08, IbPRIA'2007);
- IEEE CBMS'05 - IEEE CBMS'10 - IEEE Int. Symposium on Computer-Based Medical Systems;
- IEEE ISDA'06 - Int. Conf. on Intelligent System Design and Applications;
- IEEE PMKD'05, IEEE PMKD'06 - Workshops on Philosophies and Methodologies for KDD;
- IDA'09, IDA'10 **– Int. Symposium on Intelligent Data Analysis;**
- BNAIC'10 - The 22nd Benelux Conference on Artificial Intelligence;
- AAAI'10 - AI and the Web Special Track;
- HAIS'10 - The 4th International Conference on Hybrid Artificial Intelligence Systems.

Reviewer (but not in PC):
- ACM KDD'07, ICIC 2007, ICIT08, SIAM DM 2009

Reviewer in Journal:
- Artificial Intelligence in Medicine (AIIM) (Elsevier), since 2008;
- Information Sciences (Elsevier), since 2005
- IEEE Transactions on IT in Biomedicine (TITB), since 2005
- IEEE Transactions on Biomedical Engineering (TBE), since 2006
- IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), since 2006
- Information Fusion (IF) (Elsevier), since 2006
- Intelligent Data Analysis (IDA) (IOS Press), since 2007
- Data & Knowledge Engineering (DKE) (Elsevier), since 2007
- Knowledge and Information Systems (KAIS) (Springer), since 2008;
- Methods of Information in Medicine (IMIA), since 2007

Editorial Board in Journal:
- Journal of Educational Data Mining (JEDM), since 2008

External reviewer/committee member
- M.Sc. theses in Computer Science, Computer Science & Engineering, and Business Information Systems programs on various topics in the areas of machine learning, data mining, process mining and adaptive systems approaches and their applications to different areas.

Research Grant Proposal evaluator
- FONDECYT Program, Chile