Curriculum Vitae

I. Personal Data

Name:	**Ekaterina Vasilyeva** (Pechenezhskaya)
Gender:	Female
Date of Birth:	January 23, 1979
Place of Birth:	St. Petersburg, Russia
Residence:	Netherlands
Citizenship:	Russia
Languages:	English – fluent; Dutch, Finnish – basic, Russian – native.

Contact information:

Database and Hypermedia group,
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II. Academic Degrees Obtained

Year	Degree	University	Place	Subject
2009	Ph.D. "Tailoring of Feedback in Web-Based Learning Systems"	University of Jyväskylä	Jyväskylä, Finland	Computer Science
2001	Master of Science (Diploma with Distinction)	St. Petersburg State Electrotechnical University	St. Petersburg, Russia	Computer Science
1999	Bachelor of Computer Science (Diploma with Distinction)	St. Petersburg State Electrotechnical University	St. Petersburg, Russia	Computer Science

III. Stages of University Education

Time	Education	University	Place	Subject
01.01.2004-30.06.2008	Postgraduate	University of Jyväskylä	Jyväskylä, Finland	Information Systems
15.09.2001-31.12.2003	Postgraduate	St. Petersburg State Electrotechnical University	St. Petersburg, Russia	Computer Science
01.09.1995 – 30.06.2001	Undergraduate and Graduate	St. Petersburg State Electrotechnical University	St. Petersburg, Russia	Computer Science

IV. Study and Research Abroad

Time	Institution	Purposes	Financed by	Scientific Supervisor
01.12.2006 – 01.06.2008	Eindhoven University of Technology (TU/e)	Visiting Research	COMAS Graduate School	Prof. Paul De Bra, Eindhoven University of Technology
01.01.2004-30.06.2008	University of Jyväskylä, Finland	Doctoral Studies	COMAS Graduate School / University of Jyväskylä	Prof. Seppo Puuronen University of Jyväskylä Prof. Tatiana Gavrilova St. Petersburg State Technical University
25.11.2004 – 10.12.2004	Niilo Mäki Institute, Finland	Visiting Research	Niilo Mäki Institute	Ph. Lic. Pekka Räsänen Niilo Mäki Institute

V. Professional Background

Time	Position	Institution
Current Place 01.10.2009-till now	PostDoc at Medical Information Processing (MIP) joint project between Eindhoven Technical University (TU/e) and Philips Research labs	Department of Computer Science, Eindhoven University of Technology
01.07.2008 – 30.09.2009	PostDoc at EU FP7 STREP Grapple Project (GRAPPLE: Generic Responsive Adaptive Personalized Learning Environment)	Department of Computer Science, Eindhoven University of Technology
01.04.2004 – 30.06.2008	Researcher and doctoral student	Department of Computer Science & Information Systems, University of Jyväskylä. Finland
15.01.1998 – 31.12.2003	Researcher and web-based and multimedia educational systems developer (part-time)	Intelligent Systems Lab in Institute for High Performance Computing and Databases, St. Petersburg, Russia
15.08.2001 – 25.10.2003	Leader of multimedia systems team, web-based (educational) systems developer	HyperMethod Company, St. Petersburg, Russia

VI. Teaching Experience

Time	Role	Institution
01.10.2006-till now	Teaching Assistant (Courses: "Adaptive Systems", "Information Retrieval", "Human-Computer Interaction", "Databases and Data Modeling")	Department of Computer Science, Eindhoven University of Technology
01.02.2002-15.06.2002, 01.02.2003-31.05.2003	Lecturer for "Modern Multimedia Systems" Teaching Assistant for "Information Measurement Systems"	St.Petersburg State Electrotechnical University

VII. Awards and Grants

- 2007 - ProLearn EU Network of Excellence Scholarships for participating Summer School on Technology Enhanced Learning, Frejus, France (500 EUR),
- 2006 - ProLearn EU Network of Excellence Scholarships for participating Summer School on Personalized Learning, Dublin, Ireland (500 EUR);
- 2006 - ProLearn EU Network of Excellence Scholarships for participating Summer School on Technology Enhanced Learning, Bled, Slovenia (500 EUR);
- 2005 - Nokia Foundation Scholarship (5000 EUR);
- 2005 - Student Registration Grant, the 18th IEEE CBMS 2005 Conference (240 EUR);
- 01.04.2004-31.12.2004 *CIMO foundation grant* for doctoral studies (6500 EUR);
- 2002 – The *Grant of the President of Russian Federation* for postgraduate students;
- 2001 – Best M. Sc. Thesis Award, St. Petersburg Electrotechnical University;
- 2001 – Diploma with Distinction ("Red diploma", M.Sc. Degree), St. Petersburg Electrotech University;
- 2000 – Motorola & St. Petersburg Electrotech Univ. Award for Outstanding Achievements in Studies;
- 1999 – Best Bachelor Thesis Award of St. Petersburg Governor;
- 1999 – Best Bachelor Thesis Award, , St. Petersburg Electrotechnical University;
- 1999 - Diploma with Distinction ("Red diploma", B.Sc. Degree), St. Petersburg Electrotech University.

VIII. Professional Activities

Organizing Committee Member:

- Learning Management Systems meet Adaptive Learning Environments, Workshop Co-Chair at EC-TEL'2009;
- The 21st Benelux Conference on Artificial Intelligence (BNAIC'09) - Local Organizing Committee

Ad Hoc Reviewing:
- IEEE Transactions on Learning Technologies (TLT);
- IEEE Int. Symposium on Computer-Based Medical Systems (CBMS 2008);
- ECTEL'08 workshop "IGACLE: Individual and Group Adaptation in Collaborative Learning Environments".

IX. Scientific Interests

Adaptive e-learning and adaptive hypermedia, eHealth personalization, remote patient management systems, problems of feedback design, user modeling, human-computer interaction, knowledge management, educational data mining, web 2.0, and the application of these and more recent emerging technologies in educational systems, including traditional WBLS, computer games, and eHealth.

List of Publications

Referenced International Journal Papers

1. Gavrilova T., Voinov A., Geleverya T., Vasylyeva E. (2000) Trivium: Special Software Environment to Acquire User Model , *Int. Journal "Information Theories & Applications"*, 7(3), pp. 146-152.

2. Gavrilova T., Vasilyeva E. (2003) Interface Engineering and Design: Adaptability Problems, *Int. Journal Information Theories & Applications*, 10(1), pp. 61-66.

3. Vasilyeva E., Puuronen S., Pechenizkiy M., Räsänen P. (2007) Feedback adaptation in web-based learning systems. *Special Iss. of Int. J. of Continuing Engineering Educ. and Life-Long Learning,* v.17(4/5), pp. 337-357

Referenced International Conference Papers

Full paper referenced International Conference Papers

1. Gavrilova T., Voinov A., Vasilyeva, E. 1999. Visual Knowledge Engineering as a Cognitive Tool. LNCS-1607 "Engineering Applications of Bio-Inspired Artificial Neural Networks", Proc. of Int. Work-Conf. on *Artificial and Natural Neural Networks*, IWANN'99, Springer-Verlag., v. 2, pp. 750-758.

2. Gavrilova T., Voinov A., Vasilyeva E. 1999. Student Modeling as a Key to Flexible Learning, Proceeding of the *Int. Symposium on Intelligent Multimedia and Distance Education*, Baden-Baden, Germany, pp. 151-155.

3. Vasilyeva E. 2004. Adaptive User Interface Design. Case: Web-Based Learning Systems Scientific Proceedings of The Riga Technical University (RTU), 5th series, *Computer Science, Applied Computer Systems*, Vol. 22, RTU Publishing, Riga, Latvia, pp. 94-101.

4. Vasilyeva, E., Pechenizkiy, M., Puuronen, S. 2005. Knowledge Management Challenges in Web-Based Adaptive e-Learning Systems. In *Proc. of 5th Int. Conf. on Knowledge Management(I-Know 2005)*, Graz, Austria, J.UCS in cooperation with Springer, pp. 112-119.

5. Vasilyeva, E., Puuronen, S., Pechenizkiy M. 2005. Feedback Adaptation in Web-based Applications. In Proc. of *Int. Workshop on Combining Intelligent and Adaptive Hypermedia Methods/Techniques in Web-Based Education Systems, 16th ACM Conf. on Hypertext and Hypermedia*, pp. 85-90.

6. Vasilyeva, E., Pechenizkiy M., Puuronen, S. 2006. The Challenge of Personalization of Feedback to Learning Styles in Web-based Learning Systems. *Workshop on Adaptive Web-Based Education and Learning Styles*, short version of the paper in *Proc. of IEEE ICALT 2006 Conference*, pp. 1143-1144.

7. Vasilyeva, E. 2007. Towards Personalized Feedback in Educational Computer Games for Children: Review of Recent Research, *In Proc. of IASTED WBE'2007 Conf.*, Chamonix, France, pp. 597-602.

8. Vasilyeva E., Pechenizkiy M., Gavrilova T., Puuronen S. 2007. Personalization of Immediate Feedback to Learning Styles, In: *Proc. of 7th IEEE Int. Conf. on Advanced Learning Technologies. (ICALT 2007)*, IEEE CS Press, pp. 622-624.

9. Ivanova M, Vasilyeva E., Beleviciute I. 2007. Design of Personalized Knowledge Management in Web 2.0 network, In Proceedings of *Proc. of 7th Int. Conf. on Knowledge Management(I-Know 2007)*, Graz, Austria, J.UCS in cooperation with Springer, pp. 65-70.

10. Vasilyeva, E., De Bra, P., Pechenizkiy, M., and Puuronen, S. 2008. Tailoring feedback in online assessment: influence of learning styles on the feedback preferences and elaborated feedback effectiveness, In: *Proc. of Int. Conf. on Advance Learning Technologies* (ICALT'08), IEEE CS Press, pp. 834-838.

11. Vasilyeva, E., Pechenizkiy, M., and De Bra, P. 2008. Tailoring of feedback in web-based learning: the role of response certitude in the assessment, In: *Proc. of Int. Conf. Intelligent Tutoring Systems* (ITS'08), LNCS 5091, Springer Verlag: Heidelberg, pp. 771–773.

12. Pechenizkiy M., Calders T., De Bra P., Vasilyeva E. 2008. Mining the Student Assessment Data: Lessons Drawn from a Small Scale Case Study. (poster) In: *Proc. of 1st Int. Conf. on Educational Data Mining*, pp. 187-191.

13. Vasilyeva, E., Pechenizkiy, M., and De Bra, P. 2008. Adaptation of Elaborated Feedback in e-Learning, In: *Proc. of 5th Int. Conf. on Adaptive Hypermedia and Adaptive Web-Based Systems* (AH'2008), LNCS 5149, Springer Verlag: Berlin Heidelberg, pp. 235–244.

14. Vasilyeva E., Pechenizkiy M., De Bra P. 2008. Immediate Elaborated Feedback Personalization in Online Assessment. In: *P. Dillenbourg and M. Specht (Eds.): Proc. of 3rd European Conf. on Technology Enhanced Learning (EC-TEL 2008)*, LNCS 5192, Springer Verlag: Berlin Heidelberg, pp. 449-460.

15. Vasilyeva E., De Bra P., Pechenizkiy M. 2008. Tailoring of Feedback in Online Assessment: Lessons Learnt. In: *Richards, G. (Ed.), Proc. of Int. Conf. on E-Learning in Corporate, Government, Healthcare, & Higher Education (E-Learn 2008)*, AACE Press, pp. 518-526.

16. Vasilyeva E., De Bra P., Pechenizkiy M. 2008. Feedback Authoring Possibilities in Web-based Learning Systems. In: *Richards, G. (Ed.), Proc. of Int. Conf. on E-Learning in Corporate, Government, Healthcare, & Higher Education (E-Learn 2008)*, AACE Press, pp. 3981-3986.

17. De Bra P., Smits D., Pechenizkiy M., Vasilyeva E. 2008. Adaptivity in GRAPPLE: Adaptation in Any Way You Like. (poster) In: *Richards, G. (Ed.), Proc. of Int. Conf. on E-Learning in Corporate, Government, Healthcare, & Higher Education (E-Learn 2008)*, AACE Press, pp. 3654-3659.

18. Pechenizkiy, M., Trčka, N., Vasilyeva, E., van der Aalst, W., De Bra, P. 2009. Process Mining the Student Assessment Data. In T. Barnes, M. Desmarais, C. Romero, S. Ventura (Eds.) *Proc. of 2nd. Int. Conf. on Educational Data Mining*, Cordoba, Spain. July 1-3, 2009, pp. 279-288.

19. Tesanovic, A., Manev, G., Pechenizkiy, M., Vasilyeva, E. 2009. eHealth personalization in the next generation RPM systems. In: *Proc. of 22nd IEEE Int. Symposium on Computer-Based Medical Systems (CBMS 2009)*, Albuquerque NM, USA, August 2-5, 2009, pp. 1-8.

20. Tesanovic, A., Manev, G., Pechenizkiy, M., Vasilyeva, E. 2009. Towards the Second-Order Adaptation in the Next Generation Remote Patient Management Systems. In F. Grasso, C. Paris (Eds.), *Proceedings of the Workshop on Personalisation for eHealth* (Pers4eHealth'09), Verona, Italy, July 19; co-located with AIME'09, pp. 34-40.

21. Tesanovic, A., Manev, G., Pechenizkiy, M., Vasilyeva, E. 2009. eHealth personalization in the next generation RPM systems (Extended abstract). In T. Calders, K. Tuyls, M. Pechenizkiy (Eds.), *Proceedings 21st Benelux Conference on Artificial Intelligence (BNAIC'09)*, Eindhoven, The Netherlands, October 29-30, pp. 445-446.

22. Romero, C., Ventura, S., Vasilyeva, E. and Pechenizkiy, M. 2010. Class Association Rules Mining from Students' Test Data, *Proceedings of 3rd International Conference on Educational Data Mining (EDM'2010)*, pp. 317-318.

23. Vasilyeva, E., Pechenizkiy, M., Tesanovic, A., Knutov, E., Verwer, S. and De Bra, P. Towards EDM Framework for Personalization of Information Services in RPM Systems, *Proceedings of 3rd International Conference on Educational Data Mining (EDM'2010)*, pp. 331-332.

24. Pechenizkiy, M., Tesanovic, A., Manev, G., Vasilyeva, E., Knutov, E., Verwer, S. and P. De Bra. 2010. Patient Condition Modeling in Remote Patient Management: Hospitalization Prediction, In *Adjunct Proceedings of the UMAP'10 conference*, pp. 34-36.

25. Pechenizkiy, M., Tesanovic, A. and Vasilyeva, E. 2010. Heart Failure Hospitalization Prediction in Remote Patient Management Systems. Submitted to *IEEE Conference on Computer-Based Medical Systems (CBMS 2010)*.

26. Puuronen, S., Vasilyeva, E., Pechenizkiy, M. and Tesanovic, A. 2010. A Holistic Framework for Understanding Acceptance of Remote Patient Management (RPM) Systems by Non-Professional Users. Submitted to IEEE Conference on Computer-Based Medical Systems (CBMS 2010).

Abstract referenced International Conference Papers

27. Gavrilova T., Vasilyeva E. 2003. One Approach to Individualised Interface Design. Proc. of 10th Conf. "*Knowledge-Dialogue-Solution*", Varna, Bulgaria, pp. 221-226.

28. Vasilyeva, E., Pechenizkiy, M., Puuronen, S. 2005. Towards the Framework of Adaptive User Interfaces for eHealth, *18th IEEE Int. Symposium on Computer-Based Medical Systems (CBMS 2005)*, pp. 139-144.

29. Vasilyeva E., Pechenizkiy M., De Bra P. 2007. Adaptation of Feedback in e-learning System at Individual and Group Level, In: *Proc. of PING 2007 Int. Workshop on Personalizationr in E-Learning Environments at Individual and Group Level (UM 2007)*, pp. 49-56.