

## Sergey A. Sosnovsky's Curriculum Vitae

**Born:** August, 11, 1977, Kazan, Russia  
**Sex:** Male  
**Family Status:** Married, one child  
**Citizenship:** Russian  
**Address:** 4818 Cypress st. #2F, Pittsburgh, PA, 15224, USA  
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### Formal Education

**Ph.D., Information Science: June, 2009 (expected)**

School of Information Sciences, University of Pittsburgh, Pittsburgh, PA, USA  
Thesis: *Ontology-based Open-corpus Personalization for E-Learning*

**M.Sc., Information Sciences, June, 1999 (with honor)**

Kazan State Technological University, Kazan, Russia  
Thesis: *Development of Authoring Tools for Intelligent Tutoring Systems*

**B.Sc., Information Sciences, June, 1997 (with honor)**

Kazan State Technological University, Kazan, Russia

**High School**

Kazan High School #131 for Physics and Math

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### Awards

2005 Honorable Mention: University of Pittsburgh i-Fest  
2004 Outstanding Paper Award: AACE International Conference E-Learn'2004  
2001 President of Russian Federation Graduate Student Fellowship  
2000 President of Russian Federation Graduate Student Fellowship  
1999 1<sup>st</sup> Prize: Russian National Student Competition "Advanced Educational Technologies"  
1998 KSTU Academic Council Student Fellowship  
1997 Russian Government Student Fellowship  
1996 President of Russian Federation Student Fellowship

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### Research Interests

User and student modeling, adaptive web applications, adaptive hypermedia systems, intelligent tutoring systems and authoring tools for their development;  
Ontologies and semantic web technologies, folksonomies and social web applications;  
Semantic Web + Social Web + Adaptive Web.

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## **Research Experience**

- 06/06 – 07/06 Visiting researcher (L3S Lab, Leibniz University of Hanover /Hanover, Germany)
- 08/02 – now Research assistant (School of Information Sciences. University of Pittsburgh /Pittsburgh, PA, USA)
- 09/00 – 09/02 Research assistant (Research Institute for Math and Mechanics, Kazan State University /Kazan, Russia)
- 09/99 – 09/02 Research assistant (Kazan State Technological University /Kazan, Russia)
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## **Research projects:**

1. Personalized Exploratorium for Database Courses (NSF grant #DUE-0633494)  
**Systems:**
  - SQL-KnoT – SQL Knowledge Tester  
*My role: system evaluation, monitoring system development*
  - SQL-Guide – Adaptive navigation for SQL problems  
*My role: system design and development, system evaluation, experiment design, statistical analysis*
2. Translation of student models in relative domains (C and Java programming) based on domain ontology mapping  
*My role: primary investigator, C ontology development, implementation of ontology mapping algorithm, experiment design, statistical analysis*
3. Personalized Access to Open Corpus Educational Resources (NSF grant #0447083)  
([http://www.sis.pitt.edu/~paws/project\\_pacer.htm](http://www.sis.pitt.edu/~paws/project_pacer.htm))  
**Systems:**
  - OOPS – Ontology-based Open-corpus Personalization Service (Dissertation Project)  
*My role: primary investigator, system design and development, experiment design, data collection, system evaluation, statistical analysis*
  - JavaGuide – Adaptive navigation for Java quizzes  
*My role: system design and development, system evaluation, experiment design, statistical analysis*
  - QuizJET – self-assessment quizzes for Java programming language ([http://www.sis.pitt.edu/~paws/system\\_quizjet.htm](http://www.sis.pitt.edu/~paws/system_quizjet.htm))  
*My role: system evaluation, monitoring system development, content development*
  - NavEx – Adaptive Navigation for Programming Examples ([http://www.sis.pitt.edu/~paws/system\\_navex.htm](http://www.sis.pitt.edu/~paws/system_navex.htm))  
*My role: development of automatic indexing component*
4. ADAPT<sup>2</sup> – Advanced Distributed Architecture for Personalized Teaching and Training  
([http://www.sis.pitt.edu/~paws/project\\_adapt2.htm](http://www.sis.pitt.edu/~paws/project_adapt2.htm))  
**Systems:**
  - CUMULATE – Centralized User Modeling for User and Learner AdapTive Environments  
([http://www.sis.pitt.edu/~paws/system\\_cumulate.htm](http://www.sis.pitt.edu/~paws/system_cumulate.htm))  
*My role: system evaluation*
5. Individualized Exercises for Assessment and Self-Assessment of Programming Knowledge (NSF grant #7525)  
(<https://www.fastlane.nsf.gov/servlet/showaward?award=0310576>)  
**Systems:**
  - QuizGuide – Adaptive Navigation for Self-Assessment Quizzes ([http://www.sis.pitt.edu/~paws/system\\_quizguide.htm](http://www.sis.pitt.edu/~paws/system_quizguide.htm))  
*My role: system design and development, system evaluation, experiment design, statistical analysis*
  - QuizPACK – Parameterized Assessment of C Knowledge (<http://www.sis.pitt.edu/~taler/QuizPACK.html>)  
*My role: system design and development, system evaluation, experiment design, statistical analysis*
6. Telecommunication Technologies for Education (Russian Foundation of Fundamental Researches Grant #99-07-90166)
7. Telecommunication Technologies for Education (Russian Ministry of Education grant #03-13-01)
8. MONAP: Development of authoring tools for intelligent tutoring systems (MS Thesis Project:  
[http://ittal.kstu.ru/pr\\_monap.html](http://ittal.kstu.ru/pr_monap.html))

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## **Teaching Experience**

- 08/05 – now** Teaching Fellow / Instructor  
*School of Information Sciences. University of Pittsburgh /USA*  
**Courses:**
  - *INFSCI 0012 – Introduction to Programming (2 semesters)*
  - *INFSCI 1090 (0017) – Object-Oriented Programming (1 semester)*
- 08/02 – now** Teaching Assistant  
*School of Information Sciences. University of Pittsburgh /USA*  
**Courses:**
  - *INFSCI 1004 – Telecommunications (1 semester)*
  - *INFSCI 0010 – Introduction to Information Science (2 semester)*
  - *INFSCI 0012 – Introduction to Programming (6 semesters)*
  - *INFSCI 1090 (0017) – Object-Oriented Programming (3 semesters)*
  - *INFSCI 1042 – Human Information Processing (1 semester)*
- 09/01 – 06/02** Teaching Fellow / Instructor  
**Courses:**  
*Department of Applied Math and Informatics. Kazan State Technical University /Kazan, Russia*
  - *CAD systems (1 semester)*
  - *Information systems for scientific research (1 semester)*
- 06/00 – 06/02** Teaching Fellow / Instructor  
*Department of Informatics and Applied Math., Kazan State Technological University /Kazan, Russia*  
**Courses:**
  - *Introduction to programming (1 semester)*
  - *Introduction to Expert Systems (1 semester)*
  - *Practice of computer-based testing (1 semester)*
- 09/00 – 06/01** Teaching Assistant  
*Department of Informatics and Applied Math., Kazan State Technological University /Kazan, Russia*
  - *Numerical methods (2 semesters)*

## **Professional Service**

### **Conference and Workshop Organization**

- International Workshop on Ontologies and Semantic Web for Intelligent Educational Systems – SWEL@ITS'08 (Montreal, Canada, June 23, 2008):  
*Program Committee Member*
- International Workshop on Ontologies and Semantic Web for E-Learning – SWEL@AIED'07 (Los Angeles, July 9th, 2007):  
*Program Committee Member*
- International Conference on User Modeling – UM'2003 (Johnstown, USA, 22-26 of Jun., 2003):  
*Student Volunteer Chair*
- IEEE International Conference on Advanced Learning Technologies – ICALT'2002 (Kazan, Russia, 9-12 of Sep., 2002):  
*Local Organizing Committee Member*
- IEEE International Conference on Advanced Learning Technologies – ICALT'2001 (Madison, Wisconsin, USA, 8-6 of Aug, 2001)  
*Session co-chair (Support Tools and Systems-II)*

### **Conference Reviewing**

- AH'2008; AIED'2007; AVI'2008; EC-TEL'2006; ICALT'2001-2008; SOA-AIS@AH'2006; SOFSEM'2008; WWW'2007; WI'2005-2007.

### **Journal Reviewing**

- Computer Applications in Engineering Education;
- IEEE Transactions on Learning Technologies.

### **Journal Editing**

- East-European Section of International Journal Educational Technology and Society /Kazan, Russia (Assistant editor) 1999 Jul. – 2002 Sep.

### **Community Oriented Projects:**

- O4E – Community Portal on Ontologies for Education (<http://o4e.iiscs.wssu.edu/xwiki/bin/view/Blog/About>)
- IFETS-EAST-EURO: East-European Chapter of International Forum on Educational Technology & Society (under the aegis of IEEE LTTF) (<http://ifets.ieee.org/russian/>)

## **Professional Membership**

<i>2008 – now</i>	Association for Computing Machinery (ACM)
<i>2007 – now</i>	Association for the Advancement of Artificial Intelligence (AAAI)
<i>2000 – 2002</i>	IEEE Learning Technology Task Force (LTTF)
<i>1999 – 2001</i>	International Artificial Intelligence in Education Society
<i>1998 – now</i>	International Forum on Educational Technology & Society

## **Professional Development**

<i>07/05</i>	3rd Summer School on Ontological Engineering and the Semantic Web - SSSW-05 (Cercedilla, Spain).
<i>06/01 – 08/01</i>	Refresher Program on Modern Technology for Learning and Knowledge Assessment (Kazan, Russia).

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## **Publications**

Sergey is an author of more than 50 peer-reviewed research papers in English and Russian.

### **Journal papers**

1. Sosnovsky, S., & Brusilovsky, P. (2008). Evaluation of topic-based adaptation and user modeling in QuizGuide. *User Modeling and User Adapted Interaction* (submitted).
2. Brusilovsky, P., Sosnovsky, S., & Yudelso, M. (2008). Addictive links: the motivational value of adaptive link annotation. *New Review of Hypermedia and Multimedia: Special issue on Adaptive Hypermedia* (submitted).
3. Brusilovsky, P., Sosnovsky, S., Lee, D., Yudelso, M., Zadorozhny, V., & Zhou, X. (2008). Learning SQL programming with interactive tools: from integration to personalization. *IEEE Internet Computing: Special issue on Emerging Internet Technologies and Applications for e-Learning* (submitted).
4. Sosnovsky S., & Dicheva D. (2008). Ontological technologies for user modeling. *International Journal of Metadata, Semantics and Ontologies* (submitted).
5. Sosnovsky, S., & Gavrilova, T. (2006). Development of educational ontology for C-programming. *International Journal on Information Theories & Applications* 13(4), 303-308.
6. Brusilovsky, P., & Sosnovsky, S. (2005). Individualized exercises for self-assessment of programming knowledge: an evaluation of QuizPACK. *Journal on Educational Resources in Computing* 5(3), Article No. 6.
7. Brusilovsky, P., Shcherbinina, O., & Sosnovsky, S. (2004). Mini-languages for non-computer science majors: what are the benefits? *International Journal of Interactive Technology and Smart Education* 1(1), 3-10.
8. Galeev, I., Chepegin V., & Sosnovsky, S. (2002). MONAP-II – authoring tools for intelligent tutoring systems. *International Journal of Controlling Systems and Machines* 3(4), 80-86 (in Russian).

### **Conference papers**

9. Sosnovsky, S., Mitrovic, A., Lee, D., Brusilovsky, P., & Yudelso, M. (2008). Ontology-based integration of adaptive educational systems. In: *Proceedings of 16<sup>th</sup> International Conference on Computers in Education (ICCE'2008), Taipei, Taiwan, October, 27-31, 2008* (in Press).
10. Hsiao, I-H., Brusilovsky, P., & Sosnovsky, S. (2008). Web-based parameterized questions for object-oriented programming. In: *Proceedings of World Conference on E-Learning (E-Learn 2007), Las Vegas, NV, USA, November 17-21, 2008* (in Press).
11. Sosnovsky, S., Brusilovsky, P., Lee, D. H., Zadorozhny, V., & Zhou, X. (2008). Re-assessing the value of adaptive navigation support in E-Learning context. In: W. Nejdl, J. Kay, P. Pu & E. Herder (eds.), *Proceedings of the 5th International Conference on Adaptive Hypermedia and Adaptive Web-Based Systems (AH'2008), Hannover, Germany: Springer Berlin / Heidelberg*, 193-203.
12. Brusilovsky, P., Sosnovsky, S., Lee, D. H., Yudelso, M., Zadorozhny, V., & Zhou, X. (2008). An open integrated exploratorium for database courses. In: *Proceedings of the 13th Annual Conference on Innovation and Technology in Computer Science Education (ITiCSE'2008), Madrid, Spain: ACM Press*, 22-26.
13. Brusilovsky, P., Grant, N., Hsiao, S., Moore, K., & Sosnovsky, S. (2007). Personalized e-learning for distance courses in community colleges. In: T. Bastiaens & S. Carliner (eds.) *Proceedings of World Conference on E-Learning (E-Learn 2007), Quebec City, Canada, October 15-19, 2007*, 226-231.
14. Sosnovsky, S., Dolog, P., Henze, N., Brusilovsky, P., & Nejdl, W. (2007). Translation of overlay models of student knowledge for relative domains based on domain ontology mapping. In: R. Luckin, K. R. Koedinger, & J. Greer (eds.) *Proceedings of the 13th International Conference on Artificial Intelligence in Education (AIED'2007), Marina Del Ray, CA, USA, July 9-13, 2007*, 289-296.

15. Ahn, J., Brusilovsky, P., & Sosnovsky, S. (2006). QuizVIBE: accessing educational objects with adaptive relevance-based visualization. In: T. Reeves, & S. Yamashita (eds.) *Proceedings of World Conference on E-Learning, E-Learn 2006, Honolulu, HI, USA, October 13-17, 2006*, 2707-2714.
16. Brusilovsky, P., Sosnovsky, S., & Yudelson, M. (2006). Addictive links: the motivational value of adaptive link annotation in educational hypermedia. In: V. Wade, H. Ashman, & B. Smyth (eds.) *Proceedings of 4th International Conference on Adaptive Hypermedia and Adaptive Web-Based Systems (AH'2006), Dublin, Ireland, June 21-23, 2006*, 51-60.
17. Brusilovsky, P., Sosnovsky, S., & Yudelson, M. (2005). Ontology-based framework for user model interoperability in distributed learning environments. In: G. Richards (ed.) *Proceedings of World Conference on E-Learning (E-Learn 2005), Vancouver, Canada, October 24-28, 2005*, 2851-2855.
18. Brusilovsky, P., Yudelson, M., & Sosnovsky, S. (2005). Collaborative paper exchange. In: G. Richards (ed.) *Proceedings of World Conference on E-Learning (E-Learn 2005), Vancouver, Canada, October 24-28, 2005*, 2844-2850.
19. Sosnovsky, S., & Gavrilova, T. (2005). Development of educational ontology for C-programming, In: *Proceedings of International Conference "Knowledge-Dialogue-Solution" (KDS-2005), Varna, Bulgaria, June 20-24, 2005*, 127-131.
20. Brusilovsky, P., Sosnovsky, S., Yudelson, M., & Chavan, G. (2005). Interactive authoring support for adaptive educational systems. In: C.-K. Looi, G. McCalla, B. Bredeweg, & J. Breuker (eds.) *Proceedings of 12th International Conference on Artificial Intelligence in Education (AIED'2005), Amsterdam, the Netherlands, July 18-22, 2005*, 96-103.
21. Brusilovsky, P., Sosnovsky, S., & Shcherbinina, O. (2005). User modeling in a distributed e-learning architecture. In: L. Ardissono, P. Brna, & A. Mitrovic (eds.) *Proceedings of 10th International User Modeling Conference (UM'2005), Edinburgh, UK, July 24-29, 2005*, 387-391.
22. Brusilovsky, P., & Sosnovsky, S. (2005). Engaging students to work with self-assessment questions: A study of two approaches. In: *Proceedings of 10th Annual Conference on Innovation and Technology in Computer Science Education (ITiCSE'2005), Monte de Caparica, Portugal, June 27-29, 2005*, 251-255.
23. Brusilovsky, P., Sosnovsky, S., & Yudelson, M. (2004). An Adaptive e-learning service for accessing interactive examples. In J. Nall, & R. Robson (eds.) *Proceedings of World Conference on E-Learning (E-Learn 2004), Washington, DC, USA, November 1-5, 2004*, 2556-2561.
24. Brusilovsky, P., Sosnovsky, S., & Shcherbinina, O. (2004). QuizGuide: increasing the educational value of individualized self-assessment quizzes with adaptive navigation support. In J. Nall, & R. Robson (eds.) *Proceedings of World Conference on E-Learning (E-Learn 2004), Washington, DC, USA, November 1-5, 2004*, 1806-1813 (**Outstanding Paper Award**).
25. Yudelson, M., Brusilovsky, P., & Sosnovsky, S. (2004). Accessing interactive examples with adaptive navigation support. In: Kinshuk, Ch.-K. Looi, E. Sutinen, D. Sampson, I. Aedo, L. Uden, & E. Kahkonen (eds.) *Proceedings of IEEE International Conference on Advanced Learning Technologies, Joensuu, Finland, August 30 –November 1, 2004*, 842-843.
26. Sosnovsky, S., Shcherbinina, O., & Brusilovsky, P. (2003). Web-based parameterized questions as a tool for learning. In: A. Rossett (ed.) *Proceedings of World Conference on E-Learning (E-Learn 2003), Phoenix, Arizona, USA, November 7-11, 2003*, 309-316.
27. Galeev, I., Sosnovsky S., & Chepegin, V. (2002). MONAP-II: the analysis of quality of the learning process model. In V. Petrushin, P. Kommers, Kinshuk, & I. Galeev (eds.) *Proceedings of IEEE International Conference on Advanced Learning Technologies (ICALT'2002), Kazan, Russia, September 9-12, 2002*, 116-120.
28. Galeev, I., Ivanov, V., Akhmadullin, M., Sharnin, L., Chepegin, V., Sosnovsky, S., Kolosov, O., & Spiridonova U. (2002). IFETS East-Euro: results of three-years open education project. In: V. Petrushin, P. Kommers, Kinshuk, & I. Galeev (eds.) *Proceedings of IEEE International Conference on Advanced Learning Technologies (ICALT'2002), Kazan, Russia, September 9-12, 2002*, 206-211 (in Russian).

29. Galeev, I., Ivanov, V., Akhmadullin, M., Sosnovsky, S., Chepegin, V., & Kolosov O. (2002). Developing the infrastructure for open education. In: *Proceedings of International Conference "Telematics'2002", St. Petersburg, Russia, June 3-6, 2002*, 86-88 (in Russian).
30. Galeev, I., Ivanov, V., Chepegin, V., & Sosnovsky, S. (2002). Web-based technologies for the teacher professional development. In: *Proceedings of 11th International Conference on Information Technologies for Education (ITE'2001), Moscow, Russia, November 5-9, 2001*, 92-93 (in Russian).
31. Galeev, I., Chepegin, V., & Sosnovsky, S. (2001). The East-European Subgroup of International Forum on Educational Technology and Society: problems and the ways to solve them. In *Proceedings of 9th International Conference on Human-Computer Interaction (HCI-2001), New Orleans, Louisiana, USA, August 5-10, 2001*, 260-262.
32. Galeev, I., Chepegin, V., & Sosnovsky, S., (2001). Bayesian approach to student's knowledge identification: mathematical model. In *Proceedings of 9th International Conference on Human-Computer Interaction (HCI-2001), New Orleans, Louisiana, USA, August 5-10, 2001*, 199-201.
33. Galeev, I., Sosnovsky, S., & Chepegin, V. (2001). Learning management in integrated learning environment. In *Proceedings of International Conference on Advanced Learning Technologies (ICALT'2001), Madison, Wisconsin, USA, August 6-8, 2001*, 111-112.
34. Galeev, I., Sosnovsky, S., & Chepegin, V. (2001). ITS design technology for the broad class of domains. In *Proceedings of International Conference on Advanced Learning Technologies (ICALT'2001), Madison, Wisconsin, USA, August 6-8, 2001*, 431-432.
35. Galeev, I., Ivanov, V., Sosnovsky, S., & Chepegin, V. (2001). East European Subgroup of IFETS: The experience of Internet-based educational project realization. In *Proceedings of International Conference on Telematics and Web-based Education, St. Petersburg, June 18-21, 2001*, 69-70.
36. Galeev, I., Chepegin, V., & Sosnovsky, S. (2000). MONAP: Models, Methods and Applications. In *Proceedings of International Conference on Knowledge-Based Computer Systems (KBCS'2000), Mumbai, India, December 17-19, 2000*, 217-228.
37. Galeev I., Ivanov V., Chepegin, V., & Sosnovsky S. (2000). Towards the development of unified information framework for education. In: *Proceedings of 10th International Conference on Information Technologies for Education (ITE'2000), Moscow, Russia, November 7-12, 2000*. 112-114 (in Russian).
38. Akhmadullin M., Galeev I., Sosnovsky S., & Chepegin, V. (2000). East-European Subgroup of International Forum on Education Technology and Society. In: *Proceedings of 3d International Conference on Education Quality (EQ'2000), Novosibirsk, April 25-28, 2000*, 150-151 (in Russian).
39. Galeev I., Akhmadullin M., Sosnovsky S., & Chepegin, V. (2000). About Web-based approaches for the problems of the modern education In: *Proceedings of 2nd International Conference on Internet, Society and Personality, St. Petersburg, February 28 – March 3, 2000*, 40-41 (in Russian).
40. Galeev, I., Tararina, L., & Sosnovsky, S. (1999). The structure and functions of ETS GRAD. In H.-J., Bullinger, & J. Ziegler (eds.) *Proceedings of 8th International conference on Human-Computer Interaction (HCI'99): Communications, Cooperation and Application Design, Volume 2, Munich, Germany, August 22-26, 1999*, 682-685.

### Workshop and DC papers

41. Brusilovsky, P., Sosnovsky, S., Yudelso, M., Kumar, A., & Hsiao, S. (2008). User model integration in a distributed adaptive E-Learning system. In: S. Berkovsky, F. Carmagnola, D. Heckmann, A. Krueger & T. Kuflik (eds.), *Proceedings of the International Workshop on User Model Integration at AH'2008, Hannover, Germany*, 1-10 (Available at: [http://www.ah2008.org/files/resourcesmodule/@random4875d3b6ec843/1215681495\\_\\_Proc\\_AH2008\\_WS5\\_User\\_Model\\_Integration.pdf](http://www.ah2008.org/files/resourcesmodule/@random4875d3b6ec843/1215681495__Proc_AH2008_WS5_User_Model_Integration.pdf)).
42. Sosnovsky, S., Mitrovic, A., Lee, D. H., Brusilovsky, P., Yudelso, M., Brusilovsky, V., & Sharma, D. (2008). Towards integration of adaptive educational systems: mapping domain models to ontologies. In: D. Dicheva, A. Harrer, R. Mizoguchi (ed.), *Proceedings of the 6th International Workshop on Ontologies and Semantic Web for E-Learning (SWEL'2008) at ITS'2008, Montreal, Canada* (Available at: from <http://compsci.wssu.edu/iis/swel/SWEL08/Papers/Sosnovsky.pdf>).

43. Sosnovsky, S., Yudelso, M., & Brusilovsky, P. (2007). Community-oriented course authoring to support topic-based student modeling. In: D. Dicheva, R. Mizoguchi, N. Capuano & A. Harrer (eds.) *Proceedings of the Fifth International Workshop on Ontologies and Semantic Web for E-Learning (SW-EL'2007) at AIED'2007, Marina Del Ray, CA, USA, July 9, 2007*, 91-100 (Available at: <http://compsci.wssu.edu/iis/Papers/SWEL07-Proceedings.pdf>).
44. Sosnovsky, S. (2006). Integration of two domain conceptualizations in a single adaptive hypermedia system. In *Proceedings of Workshop on Applications of Semantic Web Technologies for e-Learning (SW-EL'06) at AH'2006, Dublin, Ireland, June 20, 2006* (Available at: [http://www.win.tue.nl/SW-EL/2006/camera-ready/19-sosnovsky\\_swel2006.pdf](http://www.win.tue.nl/SW-EL/2006/camera-ready/19-sosnovsky_swel2006.pdf)).
45. Dicheva, D., Sosnovsky, S., Gavrilova, T., & Brusilovsky, P. (2005). Ontological web portal for educational ontologies. In *Proceedings of Workshop on Applications of Semantic Web Technologies for e-Learning (SW-EL'05) at AIED'2005, Amsterdam, Netherlands, July 18, 2005* (Available at: <http://www.win.tue.nl/SW-EL/2005/swel05-aied05/proceedings/4-Dicheva-final-full.pdf>).
46. Sosnovsky, S., & Brusilovsky, P. (2005). Layered Evaluation of Topic-Based Adaptation to Student Knowledge. In *Proceedings of 4th Workshop on the Evaluation of Adaptive Systems at UM 2005, July 26, 2005*, 47-56 (Available at: <http://www.easy-hub.org/hub/workshops/um2005/doc/Proceedings.pdf>).
47. Brusilovsky, P., Sosnovsky, S., & Yudelso, M. (2004). Adaptive hypermedia services for e-learning. In *Proceedings of Workshop on Applying Adaptive Hypermedia Techniques to Service Oriented Environments: Pervasive Adaptive Web Services and Context Aware Computing, Eindhoven, the Netherlands, August 23, 2004*, 470-472 (Available at: [http://www.sis.pitt.edu/~sergeys/papers/AH2004\\_wsServices.pdf](http://www.sis.pitt.edu/~sergeys/papers/AH2004_wsServices.pdf)).
48. Sosnovsky, S., Brusilovsky, P. & Yudelso, M. (2004). Supporting adaptive hypermedia authors with automated content indexing. In *Proceeding of 2nd Workshop on Authoring Adaptive and Adaptable Educational Hypermedia, Eindhoven, the Netherlands, August 23, 2004*, 380-389 (Available at: [http://www.sis.pitt.edu/~sergeys/papers/AH2004\\_wsAuthoring.pdf](http://www.sis.pitt.edu/~sergeys/papers/AH2004_wsAuthoring.pdf)).
49. Sosnovsky S. (2004), Adaptive navigation for self-assessment quizzes. In W. Nejdl, & P De Bra (eds.) *Proceedings of the 3d International Conference on Adaptive Hypermedia and Adaptive Web-Based Systems (Doctoral Consortium), Eindhoven, the Netherlands, August 23-26, 2004*, 366-371.
50. Galeev, I., Ivanov, V., Chepegin, V., & Sosnovsky S. (2001). ITS development for open education. In: *Proceedings of International Workshop on Telematics and Long-Life Learning (TLLL'2001), Kiev, Ukraine, October 15-17, 2001*, 86-88 (in Russian).
51. Galeev, I., Ivanov, V., Chepegin, V., Sosnovsky S., & Kolosov, O. (2001). Educational Web-resource for teacher professional development. In: *Proceedings of International Workshop on Telematics and Long-Life Learning (TLLL'2001), Kiev, Ukraine, October 15-17, 2001*, 89-91 (in Russian).
52. Galeev I., Chepegin V. & Sosnovsky S., (2001) Modelling of learning process in ITS. In Kinshuk, C. Jesshope & T. Okamoto (eds.) *Proceedings of International Workshop on Advanced Learning Technology: Design and Development Issues, Palmerston North, New Zealand, December 4-6, 2000*, 139-140.
53. Sosnovsky, S. (1999). Monap'99: Rapid approach to the ITS design. In *Proceedings of 9th International Conference on Artificial Intelligence in Education (Young Researcher Track), Le Mance, France, July, 1999*, 61-62.