

**Europass  
Curriculum Vitae****Personal information**

Surname(s) / First name(s) **NAKOV / Preslav, Ph.D.**

Address(es) National University of Singapore  
School of Computing,  
Computing 1, 13 Computing Drive  
Singapore 117417

Telephone(s) +65 65164754 (office)

E-mail preslav.nakov --GMail--

Homepage <http://www.comp.nus.edu.sg/~nakov/>

Gender Male

**Research Interests** Computational Linguistics, Natural language processing (NLP), Lexical Semantics, Machine Translation, Web as a Corpus, Bioinformatics, BioNLP.

**Work experience**

Dates September'2008 – present  
Occupation or position held Research Fellow  
Main activities and responsibilities I am working on machine translation for resource-poor languages (Malay and Indonesian). I am also working on spoken language translation for Chinese and Malay.  
Name and address of employer National University of Singapore, School of Computing, (<http://www.comp.nus.edu.sg/>)  
Computing 1, 13 Computing Drive, Singapore 117417  
Type of business or sector University

Dates January'2008 – September'2008  
Occupation or position held Research Fellow  
Main activities and responsibilities I worked on two EU projects: *LT4eL* and *AsIsKnown*.  
Name and address of employer Linguistic Modeling Department, Institute for Parallel Processing, Bulgarian Academy of Sciences  
25A Acad. G. Bonchev St, 1113 Sofia, Bulgaria (<http://lml.bas.bg>)  
Type of business or sector Research Institution

Dates January'2008 – July'2008  
Occupation or position held Honorary lecturer  
Main activities and responsibilities I founded a M.Sc. course (<http://statnlp.devbg.org>) on *Practical Computational Linguistics: Statistical Approach*; I also worked on the EU project *SISTER*.  
Name and address of employer Sofia University "St. Kliment Ohridski"  
Faculty of Mathematics and Informatics  
5 James Bourchier St  
1113 Sofia, Bulgaria  
Type of business or sector University

Dates	May'2003 - December'2007
Occupation or position held	Research Assistant
Main activities and responsibilities	I worked on the NSF-funded <i>BioText</i> project: Design and implementation of statistical approaches to natural language processing, supporting advanced and particular search needs of bioscience researchers. <a href="http://biotext.berkeley.edu">http://biotext.berkeley.edu</a>
Name and address of employer	University of California at Berkeley School of Information, 102 South Hall ( <a href="http://www.ischool.berkeley.edu/">http://www.ischool.berkeley.edu/</a> ) Berkeley, CA 94720-4600, USA
Type of business or sector	University, Research Institution
Dates	June, 2005 – August, 2005
Occupation or position held	Internship
Main activities and responsibilities	I worked on improving word alignments between two languages using additional languages.
Name and address of employer	Information Sciences Institute University of Southern California ( <a href="http://www.isi.edu">http://www.isi.edu</a> ) 4676 Admiralty Way Marina del Rey, CA 90292-6601, USA
Type of business or sector	University, Research Institution
Dates	February, 2000 – June, 2002
Occupation or position held	Programmer Analyst
Main activities and responsibilities	I worked on an engine for Information Extraction (IE) and Information Retrieval (IR).
Name and address of employer	Rila Solutions ( <a href="http://www.rila.com/">http://www.rila.com/</a> ) 27 Acad. G. Bonchev Street 1113 Sofia, Bulgaria
Type of business or sector	Information and Communication Technologies
Dates	December, 1996 – January, 2000
Occupation or position held	RDBMS developer
Main activities and responsibilities	I was designing and developing RDBMS systems with Oracle.
Name and address of employer	ComSoft Ltd. ( <a href="http://www.comsoft.bg">http://www.comsoft.bg</a> ) 5 Pirotska Street, 1004 Sofia, Bulgaria
Type of business or sector	Information and Communication Technologies

## Education and training

Dates	August'2002 – December'2007
Title of qualification awarded	Ph.D. in Computer Science
Principal subjects/occupational skills covered	<u>Advisor:</u> Prof. Marti Hearst, UC Berkeley  <u>Course Work:</u> Statistical Natural Language Processing (Dan Klein), Applied Natural Language Processing (Marti Hearst), Artificial Intelligence Approach to Natural Language Processing (Robert Wilensky), Neural Computation and Language (Jerome Feldman and Eve Sweetser), Statistical Learning Theory (Michael Jordan), Advanced Topics in Learning and Decision Making (Michael Jordan), Syntax and Semantics 1 (Line Mikkelsen), Semantics (Line Mikkelsen), Lexical Semantics (Lynn Nichols), Combinatorial Algorithms and Data Structures (Christos Papadimitriou), Reinforcement Learning (Stuart Russell), Computational Biology for Computer Scientists (Gene Myers), Advanced Topics in Computer Systems (Eric Brewer), Network Flows and Graphs (Dorit Hochbaum), Teaching Techniques (Dan Garcia), Grammar and Vocabulary of Written English (Margi Wald), German 1-4, Italian 1-4, Spanish 1-3, Portuguese 101-103, French 4, Turkish 1.  <u>Major:</u> Artificial Intelligence  <u>Minors:</u> (1) inside – Statistics; (2) outside – Linguistics.  <u>Ph.D. thesis:</u> <i>Using the Web as an Implicit Training Set: Application to Noun Compound Syntax and Semantics</i> ( <a href="http://www.eecs.berkeley.edu/Pubs/TechRpts/2007/EECS-2007-173.html">http://www.eecs.berkeley.edu/Pubs/TechRpts/2007/EECS-2007-173.html</a> ). <u>Dissertation Committee:</u> Marti Hearst, Jerome Feldman, Dan Klein, Lynn Nichols.
Name and type of organisation providing education and training	Computer Science division, Department of Electrical Engineering and Computer Science, University of California at Berkeley, USA
Dates	1996 - 2001
Title of qualification awarded	M.Sc. degree (Diploma, 5 years), July'2001
Principal subjects/occupational skills covered	◆ First specialty: Informatics (Computer Science), <ul style="list-style-type: none"><li>• Major 1: Artificial Intelligence</li><li>• Major 2: Information and Communication Technologies</li></ul> ◆ Second specialty: Mathematics and Informatics (pedagogical). § GPA 6.0 (Bulgarian grading system: 2-6 scale, 6 is the highest grade) § Diploma work: <i>Recognition and Morphological Classification of Unknown Words for German</i> Supervisor: Prof. Galia Angelova, Sofia University and Bulgarian Academy of Sciences
Name and type of organization providing education and training	Faculty of Mathematics and Informatics (FMI) Sofia University "St. Kliment Ohridski" Sofia, Bulgaria
Dates	1991-1996
Title of qualification awarded	Secondary School Diploma, May'1996
Principal subjects/occupational skills covered	Specialty: Mathematics § GPA 6.0 (Bulgarian grading system: 2-6 scale, 6 is the highest grade)
Name and type of organization providing education and training	Secondary School of Mathematics and Natural Sciences "Vassil Drumev" Veliko Turnovo, Bulgaria
Dates	1991-1996
Title of qualification awarded	Secondary School Diploma (equivalency exams), May'1996
Principal subjects/occupational skills covered	Specialty: French § GPA 6.0 (Bulgarian grading system: 2-6 scale, 6 is the highest grade)
Name and type of organization providing education and training	Secondary School for Foreign Languages "Prof. Dr. Assen Zlatarov" Veliko Turnovo, Bulgaria
Dates	1991-1996
Title of qualification awarded	Secondary School Diploma (equivalency exams), May'1996
Principal subjects/occupational skills covered	Specialty: Russian § GPA 6.0 (Bulgarian grading system: 2-6 scale, 6 is the highest grade)
Name and type of organization providing education and training	Secondary School for Foreign Languages "Prof. Dr. Assen Zlatarov" Veliko Turnovo, Bulgaria

## Personal skills and competences

Mother tongue(s) **Bulgarian**

Other language(s)  
Self-assessment European level (\*)

**English**  
**Russian**  
**French**  
**Spanish**  
**Italian**  
**Portuguese**  
**German**  
**Turkish**  
**Malay**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient	C2	Proficient	C2	Proficient	C2	Proficient	C2	Proficient
C2	Proficient	C2	Proficient	C2	Proficient	C2	Proficient	C2	Proficient
C2	Proficient	C2	Proficient	C1	Proficient	C2	Proficient	C1	Proficient
C2	Proficient	C1	Proficient	B2	Independent	C1	Proficient	B2	Independent
C1	Proficient	C1	Proficient	B2	Independent	C1	Proficient	B2	Independent
B2	Independent	C1	Proficient	B2	Independent	B2	Independent	B2	Independent
B1	Independent	B2	Independent	B1	Independent	B1	Independent	B2	Independent
	Beginner		Beginner		Beginner		Beginner		Beginner
	Beginner		Beginner		Beginner		Beginner		Beginner

Social skills and competences

- Leadership, Team working; Communication skills; Presentation skills; Teaching skills; Writing skills, Project management skills;
- Having spent 5.5 years at the University of California at Berkeley and three years at the National University of Singapore, I adapt easily to international environments.
- I speak many languages, which allows me to communicate with colleagues in their mother tongue.

Computer skills and competences

### Programming languages

- Java, C/C++, Perl, Python, Javascript, Lisp, Prolog, Pascal, Basic, SQL, XML..

### Operating Systems

- Linux/Unix, Windows.

### Computer Science and Software Engineering Skills

- Object-oriented programming and modeling;
- Distributed systems and multi-tier architectures;
- Relational databases and database design;
- Internet technologies and Web development;
- Business analysis and business process modeling;
- Data structures and algorithms.

### Software Technologies

- Java and related technologies: JDK, JDBC, Servlets, JSP, RMI, Applets;
- Database access: Oracle, SQL, PL/SQL, ODBC, JDBC, Stored procedures, Transactions, Triggers;
- Web programming: CGI, Servlets, Perl, Java;
- Web sites and client-side scripting: HTML, JavaScript;
- Socket programming: Perl sockets, Java sockets.

## Additional information

### Awards

#### Best paper awards:

- RANLP'2011 Young Researcher Award for the paper: *Preslav Nakov and Zornitsa Kozareva. Combining Relational and Attributional Similarity for Semantic Relation Classification. In Proceedings of the Conference on Recent Advances in Natural Language Processing (RANLP'2011), 8 pages, 2011.*

#### Special awards:

- Bulgarian President's John Atanasoff Award for achievements in the development of the information society (December 2003). John Atanasoff, American of Bulgarian ancestry, is recognized as the inventor of the first automatic electronic digital computer, the Atanasoff-Berry Computer. I was the first to receive that annual award;
- Sofia University Rector's award *Best student for the academic year 1997/1998*;
- National Diploma for achievements in Computer Science and Philosophy by the Ministry of Education, Science and Technologies, 1996 (there were 54 such honorary diplomas in sciences and arts);
- Award by the Foundation for helping the Bulgarian high education Sofia - Frankfurt-am-Main for high educational achievements and distinguished qualifications and knowledge for the academic year 2000/2001;
- Award by the Eureka foundation for the academic 1999/2000 and 2000/2001 years.

#### Other awards:

- ACM, International Collegiate Programming Contest, South-Eastern Europe, Bucharest, Romania: 2nd place (2000) and 3rd place (1999);
- III Balkan Olympiad in Informatics: bronze medal (1995);
- II International Olympiad in Philosophy: 10th place (1995);
- Spring Conference of the Bulgarian Mathematicians' Union (student section), 1st award (1995);
- Contest in Informatics of PC Magazine/Bulgaria: 1st award and a PC (1997), 2nd award (1999);
- Contest in Informatics of ComputerNews newspaper: 2nd (1996) and 2nd (1999) awards;
- Contest in Informatics of Computer Magazine: 1st (1999, 1997), 2nd (1998,1996,1995), 3rd (1993) and 5th (1994) awards;
- Winter Mathematical Holidays (Informatics Section): 3rd (1995) and 7th (1996) awards;
- Interuniversity Programming Competition: 5th (1999) and 5th (2000) awards;
- French Language Kangourou Mathematical Competition: 7th place in Bulgaria (1996).

### Scholarships and Fellowships

- Fulbright grant — 10 months, Ph.D. in USA at UC Berkeley, 2002/2003;
- UC Berkeley Graduate Fellowship, 2002/2003 academic year.

### Professional Competitions

#### Bioinformatics

- Text REtrieval Conference (TREC), Genomics track:
  - TREC'2003: second and third on two subtasks, best system overall;

#### Machine Translation

- International Workshop on Spoken Language Translation (IWSLT), Chinese-English BTEC task:
  - IWSLT'2009: second out of twelve teams, based on the average of ten automatic evaluation metrics; also second based on manual evaluation;
- Workshop on Machine Translation (WMT), English-Spanish Newswire text translation:
  - WMT'2009: highest lowercased NIST score, second-best lowercased Bleu score, constraint winner;
  - WMT'2008: second-best Bleu score;
  - WMT'2007: best Bleu score.

## Professional Membership

1. Association for Computational Linguistics (ACL), since 2003; member of the following ACL Special Interest Groups (SIGs):
  - SIGDAT: SIG on Linguistic Data and Corpus-Based Approaches to NLP, since 2010;
  - SIGLEX: SIG on the Lexicon, since 2008;
  - SIGSEM: SIG on Computational Semantic, since 2010;
  - SIGMORPHON: SIG on Computational Morphology and Phonology, since 2010;
  - SIGMT: SIG on Machine Translation, since 2010;
  - SIGBIOMED: SIG on Biomedical Natural Language Processing, since 2010;
  - SIGWAC: SIG on Web as Corpus, since 2010;
2. Association for Computing Machinery (ACM), since 2000;
3. Bulgarian Artificial Intelligence Association (BAIA), since 2008;
4. Bulgarian Union of Automation and Informatics (SAI), since 2004;
5. Internet Society Bulgaria (ISOC), since 2003;
6. Bulgarian Association of Software Developers (BSAD), since 2004 - honor member;
7. Association for Information Security (ISECA), since 2004.

## Teaching Experience

### Full Length Courses

- **Lecturer**
  - ✓ *Practical Computational Linguistics: Statistical Approach*, Sofia University, Faculty of Mathematics and Informatics (Spring 2008: 22 students) – <http://statnlp.devbg.org>, **M.Sc. course**;
  - ✓ *Design and Analysis of Computer Algorithms*, Sofia University, Faculty of Mathematics and Informatics (Fall 2001: 148 students);
  - ✓ *Data Modeling and Database Design (Oracle course)*, Sofia University, Faculty of Mathematics and Informatics (Spring 2001: 56 students, Fall 2000: 84 students, Spring 1999: 67 students);
  - ✓ *Data Warehousing. Fundamentals (Oracle course)*, Sofia University, Faculty of Mathematics and Informatics (Fall 2000: 31 students);
  - ✓ *Computer Programming and Algorithms* (specialized course for secondary school students with special interests), Bulgarian Academy of Sciences (Fall 2000: 10 students).
- **Teaching Assistant** (graduate student instructor – GSI)
  - *Applied Natural Language Processing (SIMS 256)*, University of California at Berkeley, School of Information, Fall 2006, Prof. Marti Hearst (I gave a lecture), **M.Sc. course**;
  - *Applied Natural Language Processing (SIMS 290-2)*, University of California at Berkeley, School of Information, Fall 2004, Prof. Marti Hearst (I gave two lectures), **M.Sc. course**;
  - ✓ *Introduction to Artificial Intelligence (CS 188)*, University of California at Berkeley, Department of Electrical Engineering and Computer Science, Computer Science division, Spring 2004, Prof. Stuart Russell (I gave one lecture);
  - ✓ *Languages for System Programming*, Sofia University, Faculty of Mathematics and Informatics (Fall 2001), Prof. Stoyan Bachvarov;
  - ✓ *Object-oriented Programming*, Sofia University, Faculty of Mathematics and Informatics (Spring 2001), Prof. Stoyan Bachvarov;
  - ✓ *Data Structures*, Sofia University, Faculty of Mathematics and Informatics (Fall 1998), Prof. Dimitar Shishkov.
- **Demonstrator** (undergraduate teaching assistant for laboratory exercises)
  - ✓ *Data Structures and Programming*, Sofia University, Faculty of Mathematics and Informatics (Spring 2000, Spring 1999), Prof. Stoyan Bachvarov;
  - ✓ *Introduction to Programming*, Sofia University, Faculty of Mathematics and Informatics (Fall 1999), Prof. Stoyan Bachvarov.
- **Reader** (grading homework assignments)
  - ✓ *Algebra*, University College London (Spring 1999), Prof. Richard Hill (1 month, during my visit to UCL).
- **Teacher (High School)** - required pedagogical practice for my second specialty in Sofia University, see p.1
  - ✓ *Informatics*, High School “Frédéric Joliot-Curie”, Sofia, Bulgaria, pedagogical practice required by the Sofia University, Faculty of Mathematics and Informatics for my second specialty “Mathematics and Informatics”, Fall 2001: 2 months;
  - ✓ *Mathematics*, High School “Frédéric Joliot-Curie”, Sofia, Bulgaria, pedagogical practice required by the Sofia University, Faculty of Mathematics and Informatics for my second specialty “Mathematics and Informatics”, Fall 2001: 2 months.
- **Trainer:**
  - ✓ Two summer schools for the Bulgarian national teams in Informatics – Ruse and Varna, Bulgaria (2008).
- **Coach:**
  - ✓ Coach of the Sofia University team at the ACM, International Collegiate Programming Contest, South-Eastern Europe. October 20-22, 2001. Bucharest, Romania.

## Other

## Student Advising

- ✓ **Currently supervising a M.Sc. thesis** of a student at the Sofia University, Faculty of Mathematics and Informatics (Fall 2011): "*Collaborative Filtering Using Restricted Boltzmann Machines*" by Kostadin Georgiev;
- ✓ **Supervised a M.Sc. thesis** of a student at the Sofia University, Faculty of Mathematics and Informatics (Spring 2009): "*Automatic Recognition of Positive/Negative Sentiment Polarity in Text*" by Veselin Raychev, **now at Google** (RANLP'09 paper was published based on this thesis);
- ✓ **Co-supervised a M.Sc. thesis** of a student at the Sofia University, Faculty of Mathematics and Informatics (Spring 2009): "*Named Entity and Bio-Medical Term Recognition: Statistical Approach*" by Georgi Georgiev, **now at OntoText Lab** (3 papers published based on thesis at RANLP'09 and workshops). With Prof. Kiril Simov, BAS;
- ✓ **Co-supervised a student** for her final year project at the National University of Singapore, School of Computing (2009/2010 academic year). Project: *Sentence-Level Paraphrase Generation for Machine Translation*, student: He Weiwei. Together with Prof. Hwee Tou Ng, NUS;
- ✓ **Graduate student mentor** for a SUPERB-IT student (Summer 2006), University of California at Berkeley, EECS dept., Computer Science division. Student: Megan Richardson. Together with Prof. Marti Hearst, UC Berkeley.

## Guest Lectures and Invited Talks

### • Talks at Companies

- ✓ Microsoft Research, USA (2011);
- ✓ Yahoo! Labs, USA (2007, 2011);
- ✓ Xerox Research Centre Europe (2010);
- ✓ Google Research, USA (2007);
- ✓ OntoText Lab, Bulgaria (2008);
- ✓ CID GmbH, Germany (2008);
- ✓ Apis Bulgaria Ltd, Bulgaria (2007).

### • Talks at Research Institutions

- ✓ University of Washington, USA (2011);
- ✓ University of Macquarie, Australia (2011);
- ✓ University of Waikato, New Zealand (2011);
- ✓ University of Otago, New Zealand (2011);
- ✓ Max Planck Society, Germany (2011);
- ✓ University of Heidelberg, Germany (2011);
- ✓ University of Saarland, Germany (2011);
- ✓ Goethe University of Frankfurt, Germany (2011);
- ✓ HITS gGmbH, Germany (2011);
- ✓ University of Cambridge, UK (2010);
- ✓ University of Wolverhampton, UK (2010);
- ✓ University of Karlsruhe, Germany (2010);
- ✓ University of Stuttgart, Germany (2010);
- ✓ University of Darmstadt, Germany (2010);
- ✓ University of Basel, Switzerland (2010);
- ✓ University of Rome "La Sapienza", Italy (2010);
- ✓ University of Melbourne, Australia (2010);
- ✓ NICTA, Australia (2010);
- ✓ National Institute of Communication Technologies – NICT, Japan (2009);
- ✓ University of Southern California, ISI, USA (2005);
- ✓ International Computer Science Institute (ICSI), Berkeley, USA (2005);
- ✓ Bulgarian Academy of Sciences, Bulgaria (2003, 2004, 2005, 2006, 2007, 2011);
- ✓ Sofia University, Bulgaria (2005);
- ✓ Veliko Turnovo University, Bulgaria (2005, 2008);
- ✓ University of Hamburg, Germany (2001).

### • Guest Lectures (Part of University Courses):

- ✓ University of Wolverhampton, UK (2010);
- ✓ National University of Singapore, Singapore (2008, 2009);
- ✓ University of California at Berkeley, USA (2004, 2006);
- ✓ Sofia University, Bulgaria (2008).

### • Summer School Lectures:

- ✓ Invited lecturer at two summer schools for the Bulgarian national teams in Informatics – Ruse and Varna, Bulgaria (2008).

### • Keynote Speaker:

- ✓ International Conference on e-Learning and Knowledge Management Technology (ICEKMT'2011), Kuala Lumpur, Malaysia, July 8-9, 2011;
- ✓ Second Workshop on Annotation and Exploitation of Parallel Corpora (in conjunction with RANLP'2011), Hissar, Bulgaria, September 16, 2011;
- ✓ Workshop on Natural Language Processing methods and Corpora in Translation, Lexicography, and Language Learning (in conjunction with RANLP'2009), Borovets, Bulgaria, September 17, 2009.

### • Panelist:

- ✓ Workshop on Multiword Expressions (MWE'2011, in conjunction with ACL'2011), Portland, Oregon, USA, June 23, 2011.

### • Tutorial Speaker:

- ✓ Tutorial on Web Knowledge Extraction and Applications at RANLP'2011, Hissar, Bulgaria, September 10, 2011.

**Organisation of  
Conference, Workshop,  
Special Journal Issues**

- Special Issue of the Journal of Natural Language Engineering on "Computational Approaches to the Semantics of Noun Compounds" (guest co-editor, with Francis Bond, Su Nam Kim, and Stan Szpakowicz);
- RANLP'2011: Conference on Recent Advances in Natural Language Processing (co-organizer, with Galia Angelova, Kalina Bontcheva, Ruslan Mitkov, Nicolas Nicolov, Nikolai Nikolov, Ivelina Nikolova, Kiril Simov, and Irina Temnikova);
- AISB'2011: Artificial Intelligence and Simulation of Behaviour Convention (track co-chair, with Dimitar Kazakov and Ahmad Shahid);
- LLMC'2011: Symposium on Learning Language Models from Multilingual Corpora (co-organizer, with Dimitar Kazakov and Ahmad Shahid);
- RELMS'2011: Workshop on Relational Models of Semantics, in conjunction with ACL'2011 (co-organizer, with Su Nam Kim, Zornitsa Kozareva, Diarmuid Ó Séaghdha, Sebastian Padó, and Stan Szpakowicz);
- WIEKA'2011: Workshop on Information Extraction and Knowledge Acquisition, in conjunction with RANLP (co-organizer, with Zornitsa Kozareva, Kuzman Ganchev, and Jerry Hobbs);
- @SemEval'2013: 6th International Workshop on Semantic Evaluations, 2013 – co-organizer of two tasks:
  - #24: *Free Paraphrases of Noun Compounds* (with Cristina Butnariu, Iris Hendrickx, Su Nam Kim, Zornitsa Kozareva, Diarmuid Ó Séaghdha, Stan Szpakowicz, and Tony Veale);
  - #27: *Sentiment Analysis in Twitter* (with Theresa Wilson, Zornitsa Kozareva, Alan Ritter, Sara Rosenthal, and Veselin Stoyanov).
- AIRS'2010: The Sixth Asia Information Retrieval Societies Conference (publication chair, with Pu-Jen Cheng, Min-Yen Kan, and Wai Lam);
- MWE'2010: Workshop on Multiword Expressions: from Theory to Applications, in conjunction with COLING'2010 (co-organizer, with Éric Laporte, Carlos Ramisch, and Aline Villavicencio);
- @SemEval'2010: 5th International Workshop on Semantic Evaluations, 2010 – co-organizer of two tasks:
  - #8: *Multi-Way Classification of Semantic Relations Between Pairs of Nominals* (with Iris Hendrickx, Su Nam Kim, Zornitsa Kozareva, Diarmuid Ó Séaghdha, Sebastian Padó, Marco Pennacchiotti, Lorenza Romano, and Stan Szpakowicz);
  - #9: *Noun Compound Interpretation Using Paraphrasing Verbs* (with Cristina Butnariu, Su Nam Kim, Diarmuid Ó Séaghdha, Stan Szpakowicz and Tony Veale).
- MWE'09: Workshop on Multiword Expressions: Identification, Interpretation, Disambiguation and Applications, in conjunction with ACL'2009 (co-organizer, with Dimitra Anastasiou, Chikara Hashimoto, and Su Nam Kim);
- WMLES'2008: Workshop on Machine Learning and Intelligent Systems, in conjunction with CryptoBG'2008: the Second International Symposium on Recent Developments in Cryptography and Information Security;
- @SemEval'2007: 4th International Workshop on Semantic Evaluations, June 23-24, Prague, Czech Republic, 2007 – task co-organizer:
  - #4: *Classification of Semantic Relations between Nominals* (with Roxana Girju, Vivi Nastase, Stan Szpakowicz, Peter Turney, Deniz Yuret)

## Programme Committees

### 2012

1. ACL'2012: 50th Annual Meeting of the Association for Computational Linguistics;
2. NAACL-HLT'2011: North American Chapter of the Association for Computational Linguistics - Human Language Technologies;
3. EACL'2012: Thirteenth Conference of the European Chapter of the Association for Computational Linguistics.

### 2011

1. ACL-HLT'2011: The 49th Annual Meeting of the Association for Computational Linguistics: Human Language Technologies;
2. EMNLP'2011: Conference on Empirical Methods in Natural Language Processing;
3. SIGIR'2011: The 34th Annual ACM SIGIR Conference;
4. AAAI'2011: The 25th Conference on Artificial Intelligence;
5. IJCAI'2011: The 22nd International Joint Conference on Artificial Intelligence;
6. IJCNLP'2011: 5th International Joint Conference on Natural Language Processing;
7. RANLP'2011: Conference on Recent Advances in Natural Language Processing;
8. AIRS'2011: Seventh Asia Information Retrieval Societies Conference;
9. S3T'2011: International Conference on Software, Services & Semantic Technologies;
10. AISB'2011: Artificial Intelligence and Simulation of Behaviour Convention (track co-chair);
11. LLMCC'2011: Symposium on Learning Language Models from Multilingual Corpora (co-organizer);
12. RELMS'2011: Workshop on Relational Models of Semantics, at ACL'2011 (co-organizer);
13. MWE'2011: Workshop on Multiword Expressions: from Parsing and Generation to the Real World, at ACL'2011 (consulting body);
14. IEKA'2011: Workshop on Information Extraction and Knowledge Acquisition, at RANLP'2011 (co-organizer);
15. MALINDO'2011: Fifth International Workshop on Malay and Indonesian Language Engineering;
16. ULNLP'2011: First Workshop on Unsupervised Learning in NLP, at EMNLP'2011;
17. AIPC'2011: Workshop on Annotation and Exploitation of Parallel Corpora, at RANLP'2011;
18. RANLP'2011 (student): Student Workshop at RANLP'2011 (PC member and student mentor);
19. WIMS'2011: International Workshop on Models and Methods of Semantics-Oriented Natural Language Processing;
20. ICEHST'2011: International Conference on e-Health Services and Technologies;
21. BMSD'2011: First International Symposium on Business Modeling and Software Design.

### 2010

1. ACL'2010: 48th Annual Meeting of the Association for Computational Linguistics;
2. SIGIR'2010 (main): The 33rd Annual ACM SIGIR Conference;
3. SIGIR'2010 (poster): The 33rd Annual ACM SIGIR Conference;
4. LREC'2010: 7th Language Resources and Evaluation Conference;
5. AIRS'2010: The Sixth Asia Information Retrieval Societies Conference;
6. SemEval'2010: 4th International Workshop on Semantic Evaluations (program committee for the workshop; also, task co-organizer for two shared tasks);
7. MWE'2010: Workshop on Multiword Expressions: from Theory to Applications, in conjunction with COLING'2010 (co-organizer);
8. WAC'2010: Web as a Corpus workshop: The 6th SIG WAC workshop, in conjunction with HLT-NAACL'2010;
9. S3T'2010: International Conference on Software, Services & Semantic Technologies;
10. MALINDO'2010: Fourth International Workshop on Malay and Indonesian Language Engineering;
11. ESIT-BioMed 2010: Extraction of Structured Information from Texts in the Biomedical Domain, Workshop in Association with ICCS'10.

### 2009

1. HLT-NAACL'2009: Human Language Technologies: The Annual Conference of the North American Chapter of the Association for Computational Linguistics;
2. EMNLP'2009: Conference on Empirical Methods in Natural Language Processing;
3. SIGIR'2009: The 32nd Annual ACM SIGIR Conference;
4. ACL-IJCNLP'2009 (mentoring): Joint conference of the 47th Annual Meeting of the Association for Computational Linguistics;
5. RANLP'2009: Conference on Recent Advances in Natural Language Processing;
6. RANLP'2009 (student): Student Session at RANLP'2009;
7. S3T'2009: International Conference on Software, Services & Semantic Technologies;
8. MWE'2009: Workshop on Multiword Expressions: Identification, Interpretation, Disambiguation and Applications, collocated with ACL-IJCNLP'2009 (co-organizer);
9. WAC'2009: Web as a Corpus workshop: The 5th SIG WAC workshop, in conjunction with SEPLN'2009 (the Spanish NLP conference);
10. MALINDO'2009: Third International Workshop on Malay and Indonesian Language Engineering, in conjunction with ACL-IJCNLP'2009;
11. Workshop on Adaptation of Language Resources and Technologies to New Domains, in conjunction with RANLP'2009;
12. Workshop on the Future of the Book, in conjunction with S3T'2009.

### 2008

1. EMNLP'2008: Conference on Empirical Methods in Natural Language Processing;
2. AAAI'2008: The 23rd Annual Conference of the American Association for Artificial Intelligence;
3. LREC'2008: Sixth International Conference on Language Resources and Evaluation;
4. MWE'2008: Workshop on Multiword Expressions: Towards a Shared Task for Multiword Expressions, in conjunction with LREC'2008;
5. LDALSK'2008: Workshop on Language Diversity and the Acquisition of Linguistic-Semantic Knowledge;
6. Open PhD Workshop on Technology-Enhanced Learning and Semantics, Software and Services, in conjunction with AIMSA'2008;
7. Workshop on Machine Learning and Intelligent Systems, in conjunction with CryptoBG'2008: the Second International Symposium on Recent Developments in Cryptography and Information Security.

### 2007

1. RANLP'2007: Recent Advances in Natural Language Processing;
2. SemEval'2007: 4th International Workshop on Semantic Evaluations (task co-organizer)
3. MWE'2007: Workshop on Multiword Expressions: A Broader Perspective on Multiword Expressions.

### 2005

1. RANLP'2005: Conference on Recent Advances in Natural Language Processing.

### 2004

1. HLT-NAACL'2004 (student): Student session of Human Language Technologies: The Annual Conference of the North American Chapter of the Association for Computational Linguistics.

## Peer reviewer

## Journal Editor

1. International Journal of Text Mining (editorial board member since 2011);
2. JNLE: Special Issue on "Computational Approaches to the Semantics of Noun Compounds" (guest editor, 2011).

## Journal Reviewer

1. AIJ: Artificial Intelligence Journal (2010);
2. CL: Computational Linguistics (2011);
3. CBM: Computers in Biology and Medicine (2009);
4. DKE: Data & Knowledge Engineering (2009, 2011);
5. IS: IEEE Intelligent Systems (2008);
6. JAIR: Journal of Artificial Intelligence Research (2009, 2011);
7. JCST: Journal of Computer Science and Technology (2010);
8. JNLE: Journal of Natural Language Engineering (2007, 2008, 2010, 2011);
9. LRE: Language Resources and Evaluation (2008, 2011);
10. TALIP: ACM Transactions on Asian Language Information Processing (2008, 2009, 2010, 2011);
11. TASLP: IEEE Transactions on Audio, Speech and Language Processing (2009);
12. TKDE: IEEE Transactions on Knowledge and Data Engineering (2008, 2009, 2011);
13. The Computer Journal (2009);
14. ZJUS-C: Journal of Zhejiang University Science C (2010).

## Conferences

1. ACL'2012: 50th Annual Meeting of the Association for Computational Linguistics;
2. NAACL-HLT'2011: North American Chapter of the Association for Computational Linguistics - Human Language Technologies;
3. EACL'2012: Thirteenth Conference of the European Chapter of the Association for Computational Linguistics;
4. ACL-HLT'2011: The 49th Annual Meeting of the Association for Computational Linguistics: Human Language Technologies;
5. EMNLP'2011: Conference on Empirical Methods in Natural Language Processing;
6. SIGIR'2011: The 34th Annual ACM SIGIR Conference;
7. AAAI'2011: The 25th Conference on Artificial Intelligence;
8. IJCAI'2011: The 22nd International Joint Conference on Artificial Intelligence;
9. IJCNLP'2011: 5th International Joint Conference on Natural Language Processing;
10. RANLP'2011: Conference on Recent Advances in Natural Language Processing;
11. AIRS'2011: Seventh Asia Information Retrieval Societies Conference;
12. AISB'2011: Artificial Intelligence and Simulation of Behaviour Convention (track co-chair);
13. S3T'2011: International Conference on Software, Services & Semantic Technologies;
14. AIA'2011: Conference on Artificial Intelligence and Applications;
15. ICEHST'2011: International Conference on e-Health Services and Technologies;
16. ACL'2010: 48th Annual Meeting of the Association for Computational Linguistics;
17. SIGIR'2010 (main): The 33rd Annual ACM SIGIR Conference;
18. SIGIR'2010 (poster): The 33rd Annual ACM SIGIR Conference;
19. LREC'2010: 7th Language Resources and Evaluation Conference;
20. AIMS'2010: The 14th International Conference on Artificial Intelligence: Methodology, Systems, and Applications
21. AIA'2010: Conference on Artificial Intelligence and Applications;
22. AIRS'2010: The Sixth Asia Information Retrieval Societies Conference;
23. S3T'2010: International Conference on Software, Services & Semantic Technologies;
24. HLT-NAACL'2009: Human Language Technologies: The Annual Conference of the North American Chapter of the Association for Computational Linguistics;
25. EMNLP'2009: Conference on Empirical Methods in Natural Language Processing;
26. SIGIR'2009: The 32nd Annual ACM SIGIR Conference;
27. CoNLL'2009: Thirteenth Conference on Computational Natural Language Learning;
28. ACL-IJCNLP'2009: Joint conference of the 47th Annual Meeting of the Association for Computational Linguistics;
29. RANLP'2009: Conference on Recent Advances in Natural Language Processing;
30. RANLP'2009 (student): Student Session at RANLP'2009;
31. ESWC'2009: European Semantic Web Conference;
32. AIA'2009: Conference on Artificial Intelligence and Applications;
33. S3T'2009: International Conference on Software, Services & Semantic Technologies;
34. EMNLP'2008: Conference on Empirical Methods in Natural Language Processing;
35. AAAI'2008: The 23rd Annual Conference of the American Association for Artificial Intelligence;
36. LREC'2008: Sixth International Conference on Language Resources and Evaluation;
37. CryptoBG'2008: Second International Symposium on Recent Developments in Cryptography and Information Security;
38. RANLP'2007: Recent Advances in Natural Language Processing;
39. HLT/NAACL'2007: Human Language Technologies: The Annual Conference of the North American Chapter of the Association for Computational Linguistics;
40. PSB'2006: Pacific Symposium on Biocomputing;
41. ICALT'2006: IEEE International Conference on Advanced Learning Technologies;
42. ACL'2005: Annual Conference of the Association for Computational Linguistics;
43. IJCAI'2005: Nineteenth International Joint Conference on Artificial Intelligence;
44. RANLP'2005: Conference on Recent Advances in Natural Language Processing;
45. HLT/NAACL'2004: Human Language Technologies: The Annual Conference of the North American Chapter of the Association for Computational Linguistics, 2004;
46. HLT-NAACL'2004 (student): Student session of Human Language Technologies: The Annual Conference of the North American Chapter of the Association for Computational Linguistics;
47. RANLP'2003: Recent Advances in Natural Language Processing, 2003;
48. ECAI'2002: European Conference on Artificial Intelligence, 2002.

## Workshops

1. LLMC'2011: Symposium on Learning Language Models from Multilingual Corpora (co-organizer);
2. RELMS'2011: Workshop on Relational Models of Semantics, at ACL'2011 (co-organizer);
3. MWE'2011: Workshop on Multiword Expressions: from Parsing and Generation to the Real World, in conjunction with ACL'2011 (consulting body member);
4. IEKA'2011: Workshop on Information Extraction and Knowledge Acquisition, at RANLP'2011 (co-organizer);
5. BiomedicalNLP'2011: Workshop on Biomedical Natural Language Processing, at RANLP'2011;
6. MALINDO'2011: Fifth International Workshop on Malay and Indonesian Language Engineering;
7. WIMS'2011: International Workshop on Models and Methods of Semantics-Oriented Natural Language Processing;
8. ULNLP'2011: First Workshop on Unsupervised Learning in NLP, at EMNLP'2011;
9. AIPC'2011: Workshop on Annotation and Exploitation of Parallel Corpora, at RANLP'2011;
10. RANLP'2011 (student): Student Workshop at RANLP'2011 (PC member and student mentor);
11. BMSD'2011: First International Symposium on Business Modeling and Software Design.
12. SemEval'2010: 4th International Workshop on Semantic Evaluations;
13. MWE'2010: Workshop on Multiword Expressions: from Theory to Applications, in conjunction with COLING'2010 (co-organizer);
14. WAC'2010: Web as a Corpus workshop: The 6th SIG WAC workshop;
15. MALINDO'2010: Forth International Workshop on Malay and Indonesian Language Engineering;
16. ESIT-BioMed'2010: Extraction of Structured Information from Texts in the Biomedical Domain, Workshop in Association with ICCS'10.
17. MWE'2009: Workshop on Multiword Expressions: Identification, Interpretation, Disambiguation and Applications, collocated with ACL-IJCNLP'2009 (co-organizer);
18. WAC'2009: Web as a Corpus workshop: The 5th SIG WAC workshop, in conjunction with SEPLN'2009 (the Spanish NLP conference);
19. MALINDO'2009: Third International Workshop on Malay and Indonesian Language Engineering, in conjunction with ACL-IJCNLP'2009;
20. Workshop on Adaptation of Language Resources and Technologies to New Domains, in conjunction with RANLP'2009;
21. Workshop on the Future of the Book, in conjunction with S3T'2009;
22. MWE'2008: Workshop on Multiword Expressions: Towards a Shared Task for Multiword Expressions, in conjunction with LREC'2008;
23. LDALSK'2008: Workshop on Language Diversity and the Acquisition of Linguistic-Semantic Knowledge;
24. Open PhD Workshop on Technology-Enhanced Learning and Semantics, Software and Services, in conjunction with AIMS'2008;
25. Workshop on Machine Learning and Intelligent Systems, in conjunction with CryptoBG'2008: the Second International Symposium on Recent Developments in Cryptography and Information Security;
26. SemEval'2007: 4th International Workshop on Semantic Evaluations (task co-organizer);
27. MWE'2007: Workshop on Multiword Expressions: A Broader Perspective on Multiword Expressions.

## Research Grants

1. Grant Agency of the Academy of Sciences of the Czech Republic: external reviewer (2008).

## List of publications

(excluding submissions  
under review)

Total: 100

Conference publications by venue (for some high-impact conferences):

- ACL: 3; (rank 1)
- EMNLP: 3; (rank 1)
- HLT-NAACL: 2; (rank 2)
- CoNLL: 1; (rank 2)
- RANLP: 11; (rank 3)
- ECAI: 2. (rank 3)

See, e.g., the CS conference ranking of NUS at <http://www.comp.nus.edu.sg/~wuhayu/SoC%20Conference%20Ranking.htm>

**NOTE: In computational linguistics, conferences are much more important than journals.**

### Algorithmic books and book chapters

1. **Preslav Nakov**, Panayot Dobrikov. *Programming = ++Algorithms*; Fourth revised edition. 706 pages, TopTeam Co Publishing, Sofia, 2009. (in Bulgarian) <sup>1</sup>

**Преслав Накров**, Панайот Добриков. „Програмиране = ++алгоритми.“, четвърто преработено издание. 706 стр., Топ Тийм Пъблишинг, София, 2009. ISBN 954-8905-06-X.

2. **Preslav Nakov**. *Fundamentals of the Computer Algorithms*. (400 pages) TopTeam Co Publishing. Third revised edition. Sofia. 2001. (in Bulgarian)

**Преслав Накров**. „Основи на компютърните алгоритми“. Трето преработено издание, 400 стр., Топ Тийм Пъблишинг, София, 2001. ISBN 954-8905-04-3.

3. Svetlin Nakov (editor). *Programming for .NET Framework*. Vol. 1. (801 pages), Faber, 2005, Sofia. ISBN 954-775-505-6. Authors: Alexander Rusev, Alexander Hadjkrystev, Anton Andreev, Branimir Angelov, Vasil Bakalov, Viktor Zhivkov, Galin Iliev, Georgi Penchev, Deyan Varchev, Dimitar Bonev, Dimitar Kanev, Ivaylo Dimov, Ivaylo Hristov, Ivan Mitev, Lazar Kirchev, Manol Donev, Martin Kulov, Mihail Stoynov, Monika Alexieva, Nikolay Nedyalkov, Panayot Dobrikov, **Preslav Nakov**, Radoslav Ivanov, Roslan Borisov, Svetlin Nakov, Stefan Dobrev, Stefan Zahariev, Stefan Kiryazov, Stoyan Damov, Todor Kolev, Hristo Deshev, Hristo Radkov, Tsvetelin Andreev, Yavor Tashev. (in Bulgarian)

Светлин Накров и колектив. „Програмиране за .NET Framework“. Първа част (801 стр.), Фабер, 2005, София. Автори: Александър Русев, Александър Хаджикръстев, Антон Андреев, Бранимир Ангелов, Васил Бакалов, Виктор Живков, Галин Илиев, Георги Пенчев, Деян Варчев, Димитър Бонев, Димитър Канев, Ивайло Димов, Ивайло Христов, Иван Митев, Лазар Кирчев, Манол Донеv, Мартин Кулов, Михаил Стойнов, Моника Алексиева, Николай Недялков, Панайот Добриков, **Преслав Накров**, Радослав Иванов, Рослан Борисов, Светлин Накров, Стефан Добрев, Стефан Захариев, Стефан Кирязов, Стоян Дамов, Тодор Колев, Христо Дешев, Христо Радков, Цветелин Андреев, Явор Ташев.

<sup>1</sup> Some university courses using the textbook:

- *Design and Analysis of Computer Algorithms*, Sofia University “St. Kliment Ohridski”;
- *Advanced programming*, New Bulgarian University, Sofia;
- *Algorithm Synthesis and Analysis*, Technical University of Varna;
- *Algorithms and Programs*, University of Plovdiv “Paisiy Hilendarski”.

2011

1. **Preslav Nakov**, Hwee Tou Ng. *Translating from Morphologically Complex Languages: A Paraphrase-Based Approach*. In Proceedings of the 49th Annual Meeting of the Association for Computational Linguistics (**ACL'11**), 10 pages, 2011. (acceptance rate: 116/634=18% for full papers)
2. Su Nam Kim and **Preslav Nakov**. *Large-Scale Noun Compound Interpretation Using Bootstrapping and the Web as a Corpus*. In Proceedings of the Conference on Empirical Methods in Natural Language Processing (**EMNLP'2011**), pp. 648-658, 2011. (acceptance rate: 95/628=15% for oral presentations, 149/628=23% for full papers)
3. **Preslav Nakov** and Zornitsa Kozareva. *Combining Relational and Attributional Similarity for Semantic Relation Classification*. In Proceedings of the Conference on Recent Advances in Natural Language Processing (**RANLP'2011**), 8 pages, 2011. (acceptance rate: 30/180=17% for full papers, oral presentation) \*\*\* **Young Researcher Award** \*\*\*
4. Georgi Georgiev, Valentin Zhivkov, Borislav Popov, and **Preslav Nakov**. *Building a Named Entity Recognizer in Three Days: Application to Disease Name Recognition in Bulgarian Epicrisis*. In Proceedings of the RANLP'2011 Workshop on Biomedical Natural Language Processing (BiomedicalNLP'11), 8 pages. (oral presentation)
5. Su Nam Kim, Zornitsa Kozareva, **Preslav Nakov**, Diarmuid Ó Séaghdha, Sebastian Padó, Stan Szpakowicz. (editors). *Proceedings of the ACL 2011 Workshop on Relational Models of Semantics*. June 23, 2011, Portland, Oregon, USA. Association for Computational Linguistics. 91 pp. ISBN 978-1-932432-98-5.
6. **Preslav Nakov**, Zornitsa Kozareva, Kuzman Ganchev, Jerry Hobbs. (editors). *Proceedings of the RANLP 2011 Workshop on Information Extraction and Knowledge Acquisition*. September 16, 2011, Hissar, Bulgaria. 47 pp.
7. Dimitar Kazakov, **Preslav Nakov**, Ahmad R. Shahid (editors) Proceedings of the Symposium on Learning Language Models from Multilingual Corpora. AISB'11 Convention, University of York, York, UK, April 4-7, 2011. Society for the Study of Artificial Intelligence and the Simulation of Behaviour. 23 pp. ISBN 978-1-908187-05-5.

2010

1. Thang Luong Minh, **Preslav Nakov**, Min-Yen Kan. *A Hybrid Morpheme-Word Representation for Machine Translation of Morphologically Rich Languages*. In Proceedings of the Conference on Empirical Methods in Natural Language Processing (**EMNLP'10**), pp. 148-157, October 9-11, 2010. (acceptance rate: 14% for oral presentations, 25% for full papers)
2. Ming-Feng Tsai, **Preslav Nakov**, Hwee Tou Ng. *Morphological Analysis for Resource-Poor Machine Translation*. National University of Singapore, Department of Computer Science, Technical Report TR22/10, December 2010. (21 pages)
3. Iris Hendrickx, Su Nam Kim, Zornitsa Kozareva, **Preslav Nakov**, Diarmuid Ó Séaghdha, Sebastian Padó, Marco Pennacchiotti, Lorenza Romano, and Stan Szpakowicz. *SemEval-2010 Task 8: Multi-Way Classification of Semantic Relations Between Pairs of Nominals*. Proceedings of the 5th International Workshop on Semantic Evaluation, pp. 33-38, Uppsala, Sweden, 2010.
4. Cristina Butnariu, Su Nam Kim, **Preslav Nakov**, Diarmuid Ó Séaghdha, Stan Szpakowicz and Tony Veale. *SemEval-2010 Task 9: The Interpretation of Noun Compounds Using Paraphrasing Verbs and Prepositions*. Proceedings of the 5th International Workshop on Semantic Evaluation, pp. 39-44, Uppsala, Sweden, July 15-16, 2010.
5. Pu-Jen Cheng, Min-Yen Kan, Wai Lam, and **Preslav Nakov** (editors). *Proceedings of the Sixth Asia Information Retrieval Societies Conference (AIRS 2010)*, Lecture Notes in Computer Science (LNCS), Volume 6458. Taiwan, December 1-3, 2010, Springer, 650 pp.
6. Éric Laporte, **Preslav Nakov**, Carlos Ramisch, Aline Villavicencio (editors). *Proceedings of the 2010 Workshop on Multiword Expressions: from Theory to Applications*. Beijing, China, August 28, 2010. Association for Computational Linguistics, 101 pp.

1. Roxana Girju, **Preslav Nakov**, Vivi Nastase, Stan Szpakowicz, Peter Turney, Deniz Yuret. *Classification of Semantic Relations between Nominals*. Journal of Language Resources and Evaluation (LRE). 43(2):105-121. June, 2009. Special Issue on "Computational Semantic Analysis of Language: SemEval-2007 and Beyond", Springer, 2009, ISSN 1574-020X. (Impact factor 0.283 for 2008)
2. **Preslav Nakov**, Hwee Tou Ng. *Improved Statistical Machine Translation for Resource-Poor Languages Using Related Resource-Rich Languages*. In Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP'09). pp. 1358-1367, August 6-7, 2009, Singapore. (263/475=34% acceptance rate for full papers)
3. Svetlin Nakov, **Preslav Nakov**, Elena Paskaleva. *Unsupervised Extraction of False Friends from Parallel Bi-Texts Using the Web as a Corpus*. In Proc. of the Conference on Recent Advances in Natural Language Processing (RANLP'09), pp. 292-298, September 14-16, 2009, Borovetz, Bulgaria. (13/136=10% acceptance rate for full papers)
4. Georgi Georgiev, **Preslav Nakov**, Kuzman Ganchev, Petya Osenova, Kiril Simov. *Feature-Rich Named Entity Recognition for Bulgarian Using Conditional Random Fields*. In Proceedings of the Conference on Recent Advances in Natural Language Processing (RANLP'09), pp. 113-117, September 14-16, 2009, Borovetz, Bulgaria.
5. Veselin Raychev, **Preslav Nakov**. *Language-Independent Sentiment Analysis Using Subjectivity and Positional Information*. In Proceedings of the Conference on Recent Advances in Natural Language Processing (RANLP'09), pp. 360-364, September 14-16, 2009, Borovetz, Bulgaria.
6. **Preslav Nakov**, Hwee Tou Ng. *NUS at WMT09: Domain Adaptation Experiments for English-Spanish Machine Translation of News Commentary Text*. In Proceedings of the Fourth Workshop on Statistical Machine Translation (WMT'09), in conjunction with EACL'09. pp. 75-79, March 30-31, 2009, Athens, Greece.
7. Iris Hendrickx, Su Nam Kim, Zornitsa Kozareva, **Preslav Nakov**, Diarmuid Ó Séaghdha, Sebastian Padó, Marco Pennacchiotti, Lorenza Romano, Stan Szpakowicz. *SemEval-2010 Task 8: Multi-Way Classification of Semantic Relations Between Pairs of Nominals*. In Proceedings of the Workshop on Semantic Evaluations: Recent Achievements and Future Directions (SEW-2009), in conjunction with NAACL-HLT'09. pp. 94-99, June 4, 2009, Boulder, Colorado.
8. Cristina Butnariu, Su Nam Kim, **Preslav Nakov**, Diarmuid Ó Séaghdha, Stan Szpakowicz, Tony Veale. *SemEval-2010 Task 9: The Interpretation of Noun Compounds Using Paraphrasing Verbs and Prepositions*. In Proceedings of the Workshop on Semantic Evaluations: Recent Achievements and Future Directions (SEW-2009), in conjunction with NAACL-HLT'09. pp. 100-105, June 4, 2009, Boulder, Colorado.
9. Georgi Georgiev, Kuzman Ganchev, Vassil Momchev, Deyan Peychev, **Preslav Nakov**, Angus Roberts. *Tunable Domain-Independent Event Extraction in the MIRA Framework*. In Proceedings of the BioNLP'09 Workshop Companion Volume for the Shared Task (BioNLP'09), in conjunction with NAACL-HLT'09. pp. 95-98, June 4-5, 2009, Boulder, Colorado.
10. Georgi Georgiev, **Preslav Nakov**, Kuzman Ganchev, Deyan Peychev, Vassil Momchev. *A Joint Model for Normalizing Gene and Organism Mentions in Text*. In Proceedings of the Workshop on Biomedical Information Extraction, pp.14-20, in conjunction with RANLP'09, September 18, 2009, Borovetz, Bulgaria.
11. Georgi Georgiev, **Preslav Nakov**, Petya Osenova, Kiril Simov. *Cross-lingual Adaptation as a Baseline: Adapting Maximum Entropy Models to Bulgarian*. In Proceedings of the Workshop on Adaptation of Language Resources and Technology to New Domains, pp.35-38, in conjunction with RANLP'09, September 17, 2009, Borovetz, Bulgaria.
12. Svetlin Nakov, Elena Paskaleva, **Preslav Nakov**. *A Knowledge-Rich Approach to Measuring the Similarity between Bulgarian and Russian Words*. In Proceedings of the Workshop on Evaluation of Resources and Tools for Central and Eastern European languages, pp.32-39, in conjunction with Recent Advances in Natural Language Processing (RANLP'09), September 17, 2009, Borovetz, Bulgaria.
13. **Preslav Nakov**, Chang Liu, Wei Lu, Hwee Tou Ng. *The NUS Machine Translation System for IWSLT 2009*. In Proceedings of the International Workshop on Spoken Language Translation (IWSLT'09), pp.91-98, December 1-2, 2009. Tokyo, Japan.
14. Dimitra Anastasiou, Chikara Hashimoto, **Preslav Nakov**, Su Nam Kim (editors). *Proceedings of the Workshop on Multiword Expressions: Identification, Interpretation, Disambiguation and Applications*. Singapore, June 6, 2009. Association for Computational Linguistics, 81 pp.
15. **Preslav Nakov**. *Statistical Machine Translation: Problems and Approaches*. In: Computational Linguistics: History, Problems, Perspectives. Vol. 1. Anabela. Sofia, 2009. (in Bulgarian)
 

**Преслав Наков**, "Статистически машинен превод: проблеми и подходи." В кн: Компютърна лингвистика: история, проблеми, перспективи, кн. 1. АНАБЕЛА. София, 2009.
16. **Preslav Nakov**. *Contemporary Statistical Machine Translation: a Brief Overview*. Journal of Automatics and Informatics. Vol. 4, 2009. ISSN 0861-7562 (in Bulgarian)
 

**Преслав Наков**. *Съвременен статистически машинен превод: кратък обзор*. сп. Автоматика и информатика. 2009. брой 4.

2008

1. Larry Smith, Lorraine K. Tanabe, Rie Johnson nee Ando, Cheng-Ju Juo, I-Fang Chung, Chun-Nan Hsu, Yu-Shi Lin, Roman Klinger, Christoph M. Friedrich, Kuzman Ganchev, Manabu Torii, Hongfang Liu, Barry Haddow, Craig A. Struble, Richard J. Povinelli, Andreas Vlachos, William A. Baumgartner Jr., Lawrence Hunter, Bob Carpenter, Richard Tzong-Han Tsai, Hong jie Dai, Feng Liu, Yifei Chen, Chengjie Sun, Sophia Katrenko, Pieter Adriaans, Christian Blaschke, Rafel Torres Perez, Mariana Neves, **Preslav Nakov**, Anna Divoli, Manuel Mana, Jacinto Mata-Vazquez, and W. John Wilbur. *Overview of BioCreative II Gene Mention Recognition*. Journal of Genome Biology, 2008, Volume 9 Suppl 2, Article S2, BioMed Central Ltd., ISSN 1465-6906. (impact factor 6.15 for 2008)
2. **Preslav Nakov** and Marti Hearst. *Solving Relational Similarity Problems Using the Web as a Corpus*. In Proceedings of the 46th Annual Meeting of the Association for Computational Linguistics (**ACL'08**). pp. 452-460, June 16-18, 2008, Columbus, OH, USA. (119/470=25% acceptance rate for full papers).
3. **Preslav Nakov**. *Improved Statistical Machine Translation Using Monolingual Paraphrases*. In M. Ghallab, C. Spyropoulos, N. Fakotakis, N. Avouris (eds): Frontiers in Artificial Intelligence and Applications, Volume 178, 18<sup>th</sup> European Conference on Artificial Intelligence (**ECAI'08**), pp. 338-342, July 21-25, 2008, Patras, Greece. (121/518=22% acceptance rate for full papers).
4. **Preslav Nakov**. *Noun Compound Interpretation Using Paraphrasing Verbs: Feasibility Study*. In Danail Dochev, Marco Pistore, Paolo Traverso (eds.): Proceedings of the 13<sup>th</sup> International Conference on Artificial Intelligence: Methodology, Systems, and Applications (**AIMSA'08**), pp.103-117, September 4-6, 2008, Varna, Bulgaria. (31/109=28% acceptance rate for full papers)
5. **Preslav Nakov**. *Paraphrasing Verbs for Noun Compound Interpretation*. In Proceedings of the Workshop on Multiword Expressions (MWE'08), in conjunction with LREC'08, pp. 46-49, June 1, 2008, Marrakech, Morocco.
6. **Preslav Nakov**. *Improving English-Spanish Statistical Machine Translation: Experiments with Domain Adaptation, Sentence-Level Paraphrasing, Tokenization, and Recasing*. In Proceedings of the Third Workshop on Statistical Machine Translation (WMT'08), in conjunction with ACL'2008, pp. 147-150, June 19, 2008, Columbus, OH, USA.
7. **Preslav Nakov**. *Using the Web as an Implicit Knowledge Source: Application to Syntactic and Semantic Ambiguity Resolution of English Noun Compounds*. Autoreferat for a PhD thesis (46 pages). Sofia, 2008. (in Bulgarian)

**Преслав Накров**. Използване на уеб като неявен източник на знание: приложение за разрешаване на синтактичната и семантичната многозначност при сложни съществителни в английски език. Автореферат на дисертация за присъждане на образователна и научна степен "Доктор" (46 стр.). София, 2008.

2007

1. **Ph.D. thesis: Preslav Ivanov Nakov**. *Using the Web as an Implicit Training Set: Application to Noun Compound Syntax and Semantics*. EECS Department, University of California, Berkeley. Technical Report No. UCB/EECS-2007-173. December 20, 2007. (403 pages)
2. Marti A. Hearst, Anna Divoli, Harendra Guturu, Alex Ksikes, **Preslav Nakov**, Michael A. Wooldridge, Jerry Ye. *BioText Search Engine: Beyond Abstract Search*. **Bioinformatics**. 23(16):2196-2197, 2007. (impact factor 4.328 for 2008)
3. **Preslav Nakov**, Svetlin Nakov, Elena Paskaleva. *Improved Word Alignments Using the Web as a Corpus*. In Proceedings of the Conference on Recent Advances in Natural Language Processing (**RANLP'07**), pp. 400-405, September 27-29, 2007, Borovetz, Bulgaria.
4. Roxana Girju, **Preslav Nakov**, Vivi Nastase, Stan Szpakowicz, Peter Turney, Deniz Yuret. *SemEval-2007 Task 04: Classification of Semantic Relations between Nominals*. In Proceedings of SemEval'07 Workshop co-located with ACL'07, pp. 13-18, June 23-24, 2007, Prague, Czech Republic.
5. **Preslav Nakov**, Marti Hearst. *UCB: System Description for SemEval Task #4*. In Proceedings of SemEval'07 Workshop co-located with ACL'07, pp.366-369, June 23-24, 2007, Prague, Czech Republic.
6. **Preslav Nakov**, Marti Hearst. *UCB System Description for the WMT 2007 Shared Task*. In Proceedings of Second Workshop on Statistical Machine Translation (WMT'07) co-located with ACL-2007, pp.212-215, Prague, June 23, 2007.
7. **Preslav Nakov**, Anna Divoli. *BioText Report for the Second BioCreative Challenge.*, In Proceedings of the Second BioCreative Challenge Evaluation Workshop, pp. 297-306, April 23-25, 2007, Madrid, Spain.
8. Svetlin Nakov, **Preslav Nakov**, Elena Paskaleva. *Cognate or False Friend? Ask the Web!* In Proceedings of the Workshop on Acquisition and Management of Multilingual Lexicons, held in conjunction with RANLP'07, pp. 55-62, September 30, 2007, Borovetz, Bulgaria.
9. **Preslav Nakov**, Venio Pacovski, Elena Paskaleva. *Extracting Translation Lexicons from Bilingual Corpora: Application to South-Slavonic Languages*. In Proceedings of the Workshop on Common Natural Language Processing Paradigm for Balkan Languages, in conjunction with RANLP'07, pp. 23-31, September 26, 2007, Borovetz, Bulgaria.
10. Ivanka Atanasova, **Preslav Nakov**, Svetlin Nakov. *Experiments with Automatic Evaluation of Translation Assignments (Based on a Practical Grammar)*. In Proceedings of the International Symposium **MAPRIAL'07** "Innovations in teaching Russian language, literature, and culture". October 31 - November 3, 2006. Published in 2007: vol. II, pp. 296-304, Plovdiv. (in Russian)

Иванка Атанасова, **Преслав Накров**, Светлин Накров. *Эксперименты с автоматической проверкой заданий по переводу (на материале практической грамматики)*. – Конференция МАПРЯЛ „Иновации в исследованиях русского языка, литературы и культуры“. Пловдив, 31 октября – 3 ноября 2006 г. Сборник докладов, т. II, Пловдив, 2007, с. 296-304. ISBN 978-954-423-409-6

- 2006
1. **Preslav Nakov**, Marti Hearst. *Using Verbs to Characterize Noun-Noun Relations*. In Proceedings of the 12<sup>th</sup> International Conference on Artificial Intelligence: Methodology, Systems, Applications (**AIMSA'06**), pp. 233-244, September 13-15, 2006, Varna, Bulgaria. (33% acceptance rate for full papers).
  2. Anna Divoli, Marti Hearst, **Preslav Nakov**, Ariel Schwartz, Alex Ksikes. *BioText Team Report for the TREC 2006 Genomics Track*. In Proceedings of Text Retrieval Conference (**TREC'06**), November 14-17, 2006, Gaithersburg, MD.
  3. **Preslav Nakov**, Veno Pacovski. *Acquiring "False Friends" from Parallel Corpora: Application to South Slavonic Languages*. In Slavcheva, M., Angelova, G., Simov, K. (Eds.) Readings in Multilinguality, Selected Papers from Young Researchers in BIS-21++. INCOMA Ltd., Shoumen, Bulgaria. 2006.
  4. Ivanka Atanasova, Lilia Kirova, **Preslav Nakov**. *Automatically Assessing and Grading the Quality of Translation in the Process of Education of Bulgarian Students*. In Proceedings of the 9<sup>th</sup> International Symposium **MAPRIAL'06**, pp. 663-671, Veliko Turnovo, 2006. ISBN 978-954-350-026-1 (In Russian)  
Иванка Атанасова, Лилия Кирова, **Преслав Накров**. *Автоматическая проверка и оценка качества перевода в процессе обучения болгарских студентов*. – Девятый международный симпозиум МАПРЯЛ. Велико-Тырново, с. 663-671, 2006. ISBN 978-954-350-026-1.
- 2005
1. **Preslav Nakov**, Marti Hearst. *Using the Web as an Implicit Training Set: Application to Structural Ambiguity Resolution*. In Proceedings of the Human Language Technology Conference and the Conference on Empirical Methods in Natural Language Processing (**HLT-NAACL'05**), pp.835-842, October 6-8, 2005, Vancouver, Canada. (127/402=32% acceptance rate for full papers).
  2. **Preslav Nakov**, Marti Hearst. *Search Engine Statistics Beyond the n-gram: Application to Noun Compound Bracketing*. In Proceedings of the Ninth Conference on Computational Natural Language Learning (**CoNLL'05**), pp. 17-24, June 29-30, 2005, Ann Arbor, MI. (19/70=27% acceptance rate for full papers).
  3. **Preslav Nakov**, Marti Hearst. *A Study of Using Search Engine Page Hits as a Proxy for n-gram Frequencies*. In Proceedings of the Conference on Recent Advances in Natural Language Processing (**RANLP'05**), pp. 347-353, September 21-23, 2005, Borovets, Bulgaria. (14% acceptance rate for full papers)
  4. **Preslav Nakov**, Ariel Schwartz, Brian Wolf, Marti Hearst. *Supporting Annotation Layers for Natural Language Processing*. In the **ACL'05** Poster/Demo Track, pp. 65-68, Ann Arbor, MI, June 2005.
  5. **Preslav Nakov**, Ariel Schwartz, Brian Wolf, Marti Hearst. *Scaling Up BioNLP: Application of a Text Annotation Architecture to Noun Compound Bracketing*. In ACL/ISMB BioLINK SIG: Linking Literature, Information and Knowledge for Biology: a Joint Meeting of the ISMB BioLINK Special Interest Group on Text Data Mining and the ACL Workshop on Linking Biological Literature, Ontologies and Databases: Mining Biological Semantics (BioLINK'05), in association with ISMB'05, June 24, 2005, Detroit, MI.
  6. **Preslav Nakov**, Elena Paskaleva. *Dictionary, Statistical and Web Knowledge in Shallow Parsing Procedures for Inflectional Languages*. In Proceedings of the International Workshop on Language and Speech Infrastructure for Information Access in the Balkan Countries, held in conjunction with RANLP'05, pp. 39-46, Borovets, Bulgaria, 2005.
- 2004
1. **Preslav Nakov**, Ariel Schwartz, Emilia Stoica, Marti Hearst. *BioText Team Report for the TREC 2004 Genomics Track*. In Proceedings of the Text REtrieval Conference (**TREC'04**), Gaithersburg, MD, USA, 2004.
  2. **Preslav Nakov**, Elena Valchanova, Galia Angelova. *Towards Deeper Understanding of the Latent Semantic Analysis Performance*. In Recent Advances in Natural Language Processing III (**RANLP'03**), Nicolov, Nicolas, Kalina Bontcheva, Galia Angelova and Ruslan Mitkov (eds.), pp. 297-306, Johns Benjamins, 2004.
  3. **Preslav Nakov**, Yury Bonev, Galia Angelova, Evelyn Gius, Walther von Hahn. *Guessing Morphological Classes of Unknown German Nouns*. In Recent Advances in Natural Language Processing III (**RANLP'03**), Nicolov, Nicolas, Kalina Bontcheva, Galia Angelova and Ruslan Mitkov (eds.), pp. 347-356, Johns Benjamins, 2004.
  4. **Preslav Nakov**, Panayot Dobrikov. *Non-Parametric SPAM Filtering based on kNN and LSA*. In Proceedings of the 33<sup>rd</sup> National Spring Conference of the Bulgarian Mathematicians Union, April 1-4, 2004, Borovets, Bulgaria.
  5. **Preslav Nakov**, Ariel Schwartz, Marti Hearst. *Citances: Citation Sentences for Semantic Analysis of Bioscience Text*. Workshop on Search and Discovery in Bioinformatics, in conjunction with SIGIR'04, July 29, 2004, Sheffield, UK.
  6. **Preslav Nakov**, Elena Paskaleva. *Robust Ending Guessing Rules with Application to Slavonic Languages*. In Proceedings of the 3<sup>rd</sup> workshop on RObust Methods in Analysis of Natural Language Data (ROMAND'04), in association with COLING'04, pp. 76-85, August 29, 2004, Geneva, Switzerland.
  7. Galia Angelova, Albena Strupchanska, Ognyan Kalaydijev, Milena Yankova, Svetla Boytcheva, Irena Vitanova, **Preslav Nakov**. *Towards Deeper Understanding and Personalisation in CALL*. In Proceedings of the workshop on eLearning for Computational Linguistics and Computational Linguistics for eLearning, in conjunction with COLING'04. pp. 45-52, August 28, 2004, Geneva, Switzerland.
  8. Ivanka Atanasova, **Preslav Nakov**, Svetlin Nakov. *FineArtsDict – a Program for Creation and Management of Bilingual Dictionaries with Glosses*. In Proceedings of the 6<sup>th</sup> International Symposium "Projects on Comparative Studies of Russian and Other Languages". pp. 14-20, June 1-4, 2004, Belgrade, Serbia and Montenegro. (in Russian)  
Иванка Атанасова, **Преслав Накров**, Светлин Накров. *FineArtsDict – программа для составления и поддержки двуязычных толковых компьютерных словарей*. – В кн.: МАПРЯЛ. Славистическое общество Сербии. Кафедра славистики Филологического факультета Белградского университета. VI Международный симпозиум Проекты по сопоставительному изучению русского и других языков. с. 14-20, Белград, 2004.

- 2003
1. **Preslav Nakov**, Marti Hearst. *Category-based Pseudowords*. In Proceedings of the Human Language Technology Conference and the Conference on Empirical Methods in Natural Language Processing (**HLT-NAACL'03**). Companion Volume. pp. 67-69, May 28-30, 2003, Edmonton, Canada.
  2. **Preslav Nakov**, Elena Valchanova, Galia Angelova. *Towards Deeper Understanding of LSA Performance*. In Proceedings of the Conference on Recent Advances in Natural Language Processing (**RANLP'03**). pp. 311-318. September 10-12, 2003, Borovetz, Bulgaria. (27% acceptance rate for full papers)
  3. **Preslav Nakov**, Yuri Bonev, Galia Angelova, Evelyn Gius, Walther von Hahn. *Guessing Morphological Classes of Unknown German Nouns*. In Proceedings of Recent Advances in Natural Language Processing (**RANLP'03**). pp. 319-326. September 10-12, 2003, Borovetz, Bulgaria. (27% acceptance rate for full papers)
  4. Gaurav Bhalotia, **Preslav Nakov**, Ariel Schwartz, Marti Hearst. *BioText Team Report for the TREC 2003 Genomics Track*. In Proceedings of the Text REtrieval Conference (**TREC'03**), pp. 612-621, Gaithersburg, MD, USA, 2003.
  5. **Preslav Nakov**. *Building an Inflectional Stemmer for Bulgarian*. In Proceedings of the 4<sup>th</sup> International Conference on Computer Systems and Technologies (**CompSysTech'03**), pp. 419-424, June 19-20, 2003, Sofia, Bulgaria.
  6. Panayot Dobrikov, **Preslav Nakov**. *The Architecture of a Corporate Information and News Engine*. In Proceedings of the 4<sup>th</sup> International Conference on Computer Systems and Technologies (**CompSysTech'03**), pp. 425-430, June 19-20, 2003, Sofia, Bulgaria.
  7. **Preslav Nakov**. *BulStem: Design and Evaluation of an Inflectional Stemmer for Bulgarian*. In Proceedings of the Workshop on Balkan Language Resources and Tools, in conjunction with the 1<sup>st</sup> Balkan Conference in Informatics. November 21, 2003, Thessaloniki, Greece.
  8. Ivanka Atanassova, Svetlin Nakov, **Preslav Nakov**. *ArtsSemNet: from Bilingual Dictionary to Bilingual Semantic Network*. In Proceedings of the Workshop on Balkan Language Resources and Tools, in conjunction with the 1<sup>st</sup> Balkan Conference in Informatics, November 21, 2003, Thessaloniki, Greece.
  9. Ivanka Atanassova, **Preslav Nakov**, Svetlin Nakov. *ArtsSemNet: A Bilingual Semantic Network for Bulgarian and Russian Fine Arts Terminology*. In Proceedings of the Naval Scientific Forum, vol. 3 (Humanities. Applied Linguistics and Foreign Language Teaching), pp. 222-229. Varna, Bulgaria. 2003. ISSN 1310-9278 (in Russian).  
Иванка Атанасова, Светлин Наков, **Преслав Наков**. *ArtsSemNet: Двухязычная семантическая сеть для русской и болгарской терминологий изобразительного искусства*. – В кн.: ВВМУ “Н. Й. Вапцаров”. Морски научен форум. Хуманитаристика. Приложна лингвистика и чуждоезиково обучение, т. 3. Варна, 2003, с. 222-229. ISSN 1310-9278
  10. Ivanka Atanassova, **Preslav Nakov**. *The Impact of the Segmentation on the Automatic Hyponyms Extraction from Terminological Dictionaries*. In Proceedings of the Conference on Contemporary Achievements in the Philological Sciences and the Foreign Language University Education. pp. 140-155, May 15-17, 2003, Veliko Turnovo, Bulgaria. (in Bulgarian).  
Иванка Атанасова, **Преслав Наков**. *Ролята на сегментацията при автоматично извличане на хипоними от терминологични речници*. – ВТУ “Св. Св. Кирил и Методий”. “Съвременни постижения на филологическите науки и университетското обучение по чужд език”. Научна конференция в чест на Международната година на езиките. Унив. изд. “Св.Св. Кирил и Методий”, Велико Търново, 2003, с. 140-155. ISBN 954 - 624 - 377 – 5.
- 2002
1. **Preslav Nakov**, Galia Angelova, Walther von Hahn. *Automatic Recognition and Morphological Classification of Unknown German Nouns*. FBI-NH-B-243/02, Bericht 243, Fachbereich Informatik, Universitaet Hamburg, September 2002. (53 pages)
  2. Galia Angelova, Svetla Boytcheva, Ognian Kalaydjiev, Stefan Trausan-Matu, **Preslav Nakov**, Albena Strupchanska. *Adaptivity in Web-Based CALL*. In Proceedings of the 15<sup>th</sup> European Conference on Artificial Intelligence (**ECAI'02**), pp. 445-449. July 21-26, 2002, Lyon, France.
  3. **Preslav Nakov**, Senia Terzieva. *Latent Semantic Analysis for Notional Structures Investigation*. In Proceedings of the Annual Congress of the European Society for Philosophy and Psychology (**ESPP'02**). July 10-13, 2002, Lyon, France.
  4. **Preslav Nakov**. *Ending-Guessing Rules for Morphological Classification of German Nouns*. In Proceedings of the 3<sup>rd</sup> International Conference on Computer Systems and Technologies (**CompSysTech'02**). pp. II.10-1—II.10-6. June 20-21, 2002, Sofia, Bulgaria.
  5. Jivko Jeliakov, **Preslav Nakov**. *Extended Boolean Operations in Latent Semantic Indexing Search*. In Proceedings of the Spring Conference of Bulgarian Mathematicians Union. April, 2002, Bulgaria.
  6. Ivanka Atanassova, **Preslav Nakov**, Svetlin Nakov. *Information Technologies Helping the Linguist-Explorer*. In Proceedings of the VIII<sup>th</sup> International Symposium **MAPRIAL'02**: Theoretical and Methodological problems of Russian as a foreign language at the beginning of the XXI century. Veliko Turnovo, Faber Publishing, Bulgaria. pp. 304-309. April 4-5, 2002, Veliko Turnovo, Bulgaria. (in Russian)  
Иванка Атанасова, **Преслав Наков**, Светлин Наков. *Информационные технологии в помощь исследователю-лингвисту*. – В кн.: Восьмой международный симпозиум МАПРЯЛ 2002. Теоретические и методические проблемы русского языка как иностранного в начале XXI века. Велико-Тырново, изд. Faber, 2002, с. 304-309. ISBN 954-775-151-4
  7. Ivanka Atanassova, **Preslav Nakov**, Svetlin Nakov. *Semantic Technique for Automatic Hyponym Chains Extraction from Terminological Dictionaries*. In Proceedings of the VIII<sup>th</sup> International Symposium **MAPRIAL'02**: Theoretical and methodological problems of Russian as a foreign language at the beginning of the XXI century. Veliko Turnovo, Bulgaria. pp. 309-314. April 4-5, 2002. (in Russian)  
Иванка Атанасова, **Преслав Наков**, Светлин Наков. *Семантическая техника автоматического извлечения гипонимических рядов из терминологических словарей*. – В кн.: Восьмой международный симпозиум МАПРЯЛ 2002. Теоретические и методические проблемы русского языка как иностранного в начале XXI века. Велико-Тырново, изд. Faber, 2002, с. 309-314. ISBN 954-775-151-4
  8. Ivanka Atanassova, **Preslav Nakov**. *Factors Influencing the Automatic Hyponyms Extraction from Terminological Dictionaries using Latent Semantic Analysis*. Jubilee scientific conference, Shumen University, pp. 173-184, Bulgaria. November, 2002. (in Russian)  
Иванка Атанасова, **Преслав Наков**. *Факторы, влияющие на автоматическое извлечение гипонимов из терминологических словарей с помощью латентного семантического анализа*. – В кн.: ШУ “Епископ Константин Преславски. Русский язык. “Проблемы истории, теории и методики преподавания”. Сборник научных трудов, посвященных 30-летию ШУ и 12-летию педаг. образования в Шумене. Шумен, 2002, с. 173-184. ISBN 954-577-134-8.
  9. **Preslav Nakov**. *MorphoClass - Recognition and Morphological Classification of Unknown Words for German*. In Proceedings of the workshop on Semantic Authoring, Annotation & Knowledge Markup (SAAKM'02), in conjunction with ECAI'02. Lyon, France. July 22-26, 2002.

- 2001
1. **M.Sc. thesis: Preslav Nakov.** *Recognition and Morphological Classification of Unknown Words for German.* Sofia University, Faculty of Mathematics and Informatics, Department of Information Technologies. Sofia. July, 2001. (105 pages)
  2. **Preslav Nakov, Senia Terzieva.** *Study of Notional Structures Based on Latent Semantic Analysis.* Journal of the University of Chemical Technology and Metallurgy, vol. 37/2001. Sofia, Bulgaria. 2001.
  3. **Preslav Nakov, Antonia Popova, Plamen Mateev.** *Weight functions impact on LSA performance.* In Proceedings of the EuroConference Recent Advances in Natural Language Processing (**RANLP'01**). pp. 187-193. September 5-7, 2001. Tzigrav Chark, Bulgaria.
  4. **Preslav Nakov.** *Latent Semantic Analysis for German literature investigation.* In Proceedings of the 7th **Fuzzy Days'01**, International Conference on Computational Intelligence. B. Reusch (Ed.): LNCS 2206. pp. 834-641. October 1-3, 2001, Dortmund, Germany.
  5. Senia Terzieva, **Preslav Nakov, Sneja Handjjeva.** *Investigating the Degree of Adequacy of the Relations in the Concept Structure of Students using the Method of Latent Semantic Analysis.* In Proceedings of the International Computer Science Conference on Computer Systems and Technologies (**CompSysTech'01**). June 21-22, 2001. Sofia, Bulgaria.
  6. **Preslav Nakov.** *Latent Semantic Analysis for Bulgarian Literature.* In Proceedings of the Spring Conference of Bulgarian Mathematicians Union. pp. 279-284. Borovetz, Bulgaria. 2001.
  7. Senia Terzieva, **Preslav Nakov.** *Research of Notional Structures in the Declarative Memory of Students using the Method of Latent Semantic Analysis.* Bulgarian Journal of Psychology. vol. 1-2/2001, pp. 121-144. Sofia, Bulgaria. 2001. (in Bulgarian)
 

Сеня Терзиева, **Преслав Накров.** *Изследване на понятийни структури в декларативната памет на студенти по метода на латентно семантичен анализ.* Българско списание по психология. Том 1-2/2001. стр. 121-144, София, България, 2001.
  8. **Preslav Nakov, Ivanka Atanassova.** *Automatic hyponyms extraction from Bulgarian and Russian terminological dictionaries.* In Proceedings of the Naval Scientific Forum, vol. 3 (Applied Linguistics and Foreign Language Teaching), pp.327-335. Varna, Bulgaria. 2001. (in Bulgarian)
 

Иванка Атанасова, **Преслав Накров.** *Автоматично извличане на хипоними от терминологични речници на руски и български език.* – ВВМУ “Никола Йонков Вапцаров”. Морски научен форум. Приложна лингвистика и чуждозиково обучение, т. 3. Варна, 2001, с. 327-334. ISSN 1310-9278
  9. **Preslav Nakov.** *Intelligent Agents for Personalised Information Delivery.* In Proceedings of the Naval Scientific Forum, vol. 4 (Mechanical Engineering and Mathematics. Information Technology), pp. 284-291. Varna, Bulgaria. 2001. (in Bulgarian)
 

**Преслав Накров.** *Интелигентни агенти за персонализирано доставяне на информация.* – ВВМУ “Никола Йонков Вапцаров”. Морски научен форум. Механоинженерство и математика. Информационни технологии, т. 4. Варна, 2001, с. 284-291. ISSN 1310-9278
  10. **Preslav Nakov.** *Latent Semantic Analysis for Russian literature investigation.* In Proceedings of the Naval Scientific Forum, vol. 4 (Mechanical Engineering and Mathematics. Information Technology), pp. 292-299. Varna, Bulgaria. 2001. (in Bulgarian)
 

**Преслав Накров.** *Изследване на руска литература с латентен семантичен анализ.* – ВВМУ “Никола Йонков Вапцаров”. Морски научен форум. Механоинженерство и математика. Информационни технологии, т. 4. Варна, 2001, с. 292-299. ISSN 1310-9278
  11. Ivanka Atanassova, **Preslav Nakov.** *Term and Document from the Point of View of the Latent Semantic Analysis.* In Proceedings of the International Conference “Technologies, Safety and Ecology”, pp.(69)193-205. Veliko Turnovo, Bulgaria. June 21-22, 2001. (in Bulgarian)
 

Иванка Атанасова, **Преслав Накров.** *Термин и документ от гледна точка на латентния семантичен анализ.* – ВВОВУ “Васил Левски”. Научна конференция “Технологии, сигурност, екология”. Научни трудове, кн. № 69. В. Търново, 2001, с. 193-205. ISSN 0861-0312
- 2000
1. **Preslav Nakov.** *Web Personalization Using Extended Boolean Operations with Latent Semantic Indexing.* In Lecture Notes in Artificial Intelligence – 1904 (Springer). Artificial Intelligence: Methodology, Systems and Applications. (**AIMSA'00**), pp. 189-198. September 2000, Varna, Bulgaria. (56% acceptance rate for full papers)
  2. **Preslav Nakov.** *Getting Better Results with Latent Semantic Indexing.* In Proceedings of the Students Presentations at the European Summer School in Logic Language and Information (**ESSLLI'00**). pp. 156-166. August 2000, Birmingham, UK.
  3. **Preslav Nakov.** *Latent Semantic Analysis of Textual Data.* In Proceedings of the International Conference on Computer Systems and Technologies (**CompSysTech'00**). pp. V.3-1–V.3-5. June 2000, Sofia, Bulgaria.
  4. Elena Paskaleva, **Preslav Nakov, Galia Angelova, Petya Racheva, Plamen Mateev.** *Matching Text Meaning for Information Retrieval Tasks in Inflectional Languages, Fifth TELRI European Seminar in Corpus Linguistics: How to Extract Meaning from Corpora, Ljubljana, Slovenia, September 22-24, 2000.*
- 1996
1. **Preslav Nakov.** *Object-Oriented Technology in the Contemporary Computer Programming.* In Summaries of Student Topics. 38<sup>th</sup> London International Youth Science Forum. London. 1996.

## My Citation Index

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*Publish or Perish &  
Google Scholar*  
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(on September 30, 2011)

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Cites/year: 66.83	Authors/paper: 3.11	hl-index: 5.23	e-index: 17.64
		hl,norm: 12	hm-index: 10.68

Hirsch a=3.56, m=1.25  
Contemporary ac=3.41  
Cites/paper 7.23/2.0/0 (mean/median/mode)  
Authors/paper 3.11/3.0/4 (mean/median/mode)

## Samples of Published Work

1. **Preslav Nakov**, Hwee Tou Ng. *Translating from Morphologically Complex Languages: A Paraphrase-Based Approach*. In Proceedings of the 49th Annual Meeting of the Association for Computational Linguistics (ACL'11), 10 pages, 2011. (116/634=18% acceptance rate for full papers; 1 citation)  
<http://aclweb.org/anthology-new/P/P11/P11-1130.pdf>
2. Thang Luong Minh, **Preslav Nakov**, Min-Yen Kan. *A Hybrid Morpheme-Word Representation for Machine Translation of Morphologically Rich Languages*. In Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP'10), pp. 148-157, October 9-11, 2010. (acceptance rate: 14% for oral presentations, 25% for full papers; 5 citations) <http://www.aclweb.org/anthology/D/D10/D10-1015.pdf>
3. **Preslav Nakov**, Hwee Tou Ng. *Improved Statistical Machine Translation for Resource-Poor Languages Using Related Resource-Rich Languages*. In Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP'09), pp. 1358-1367, August 6-7, 2009, Singapore. (263/475=34% acceptance rate for full papers; 8 citations) <http://www.aclweb.org/anthology/D/D09/D09-1141.pdf>
4. **Preslav Nakov**. *Improved Statistical Machine Translation Using Monolingual Paraphrases*. In M. Ghallab, C. Spyropoulos, N. Fakotakis, N. Avouris (eds): *Frontiers in Artificial Intelligence and Applications*, Volume 178, 18th European Conference on Artificial Intelligence (ECAI'08), pp. 338-342, July 21-25, 2008, Patras, Greece. (121/518=22% acceptance rate for full papers; 10 citations). <http://biotext.berkeley.edu/papers/ecai2008.pdf>
5. **Preslav Nakov** and Marti Hearst. *Solving Relational Similarity Problems Using the Web as a Corpus*. In Proceedings of the 46th Annual Meeting of the Association for Computational Linguistics (ACL'08), pp. 452-460, 2008, Columbus, OH. (119/470=25% acceptance rate for full papers; 26 citations).  
<http://www.aclweb.org/anthology/P/P08/P08-1052.pdf>
6. **Preslav Nakov**, Marti Hearst. *Search Engine Statistics Beyond the n-gram: Application to Noun Compound Bracketing*. In Proceedings of the Ninth Conference on Computational Natural Language Learning (CoNLL'05), pp. 17-24, 2005, Ann Arbor, MI. (19/70=27% acceptance rate for full papers; 47 citations).  
<http://biotext.berkeley.edu/papers/conll05.pdf>