**Europass
Curriculum Vitae**

Personal information

Surname(s) / First name(s)	**NAKOV / Preslav, Ph.D.**
Address(es)	Qatar Computing Research Institute Qatar Foundation Tornado Tower, floor 10, PO box 5825 Doha, Qatar
Telephone(s)	+974 44541733 (office)
E-mail	pnakov#qf.org.qa
Homepage	http://nakov.eu http://www.qcri.qa/preslav-i-nakov/
Gender	Male

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

Work experience

Dates	October'2011 till present
Occupation or position held	Scientist
Main activities and responsibilities	I am working on Arabic language technologies with focus on statistical machine translation and speech-enabled dialog systems.
Name and address of employer	Qatar Computing Research Institute, Qatar Foundation (http://www.qcri.qa/) Arabic Language Technologies Group Tornado Tower, floor 10, PO box 5825 Doha, Qatar
Type of business or sector	Research Institute
Dates	September'2008 – October'2011
Occupation or position held	Research Fellow
Main activities and responsibilities	I worked on machine translation for resource-poor languages (Malay and Indonesian). I also worked 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 *BioText* project: Design and implementation of statistical approaches to natural language processing, supporting advanced and particular search needs of bioscience researchers. http://biotext.berkeley.edu
Name and address of employer	University of California at Berkeley School of Information, 102 South Hall (http://www.ischool.berkeley.edu/) 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 (http://www.isi.edu) 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 (http://www.rila.com/) 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. (http://www.comsoft.bg) 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.

Ph.D. thesis: *Using the Web as an Implicit Training Set: Application to Noun Compound Syntax and Semantics* (http://www.eecs.berkeley.edu/Pubs/TechRpts/2007/EECS-2007-173.html).

<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),

   • Major 1: Artificial Intelligence
   • Major 2: Information and Communication Technologies
♦ Second specialty: Mathematics and Informatics (pedagogical).
§ GPA 6.0 (Bulgarian grading system: 2-6 scale, 6 is the highest grade)
§ Diploma work: *Recognition and Morphological Classification of Unknown Words for German*
    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 (*)

	Understanding			Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production		
English	C2 Proficient	C2	Proficient	C2	Proficient	C2	Proficient	C2	Proficient
Russian	C2 Proficient	C2	Proficient	C2	Proficient	C2	Proficient	C2	Proficient
French	C2 Proficient	C2	Proficient	C1	Proficient	C2	Proficient	C1	Proficient
Spanish	C2 Proficient	C1	Proficient	B2	Independent	C1	Proficient	B2	Independent
Italian	C1 Proficient	C1	Proficient	B2	Independent	C1	Proficient	B2	Independent
Portuguese	B2 Independent	C1	Proficient	B2	Independent	B2	Independent	B2	Independent
German	B1 Independent	B2	Independent	B1	Independent	B1	Independent	B2	Independent
Turkish	Beginner		Beginner		Beginner		Beginner		Beginner
Malay	Beginner		Beginner		Beginner		Beginner		Beginner
Arabic	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'2012: constrained winner based according to human judgments;
  - WMT'2009: highest lowercased NIST score, second-best lowercased Bleu score, constrained winner for English-Spanish;
  - WMT'2008: second-best Bleu score for English-Spanish;
  - WMT'2007: best Bleu score for English-Spanish.

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.

Other

- **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.

Student Advising

- ✓ **Supervised 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, now at VMware (ICML'13 paper published based on the thesis);

- ✓ **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 (RANLP'09 paper published based on the thesis; was in **Google**, in Spring 2012 started a **PhD at ETH Zurich**);

- ✓ **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;

- ✓ **Co-supervised a student** (unofficially) at the National University of Singapore, School of Computing. student: Thang Luong Minh (EMNLP'10 paper published; *now a **PhD student at Stanford University***). With Prof. Min-Yen Kan, 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;

- ✓ **Supervised** a student project at the High School Students Institute of Mathematics and Informatics in Bulgaria (Fall 2011): "*Finding Interesting Relationships in Document Collections Using Latent Semantic Analysis*" by Dimitar Vouldjeff and Ivan Stefanov (graded as *excellent* by external reviewers; in 2012, Dimitar Vouldjeff was awarded the John Atanasoff award for high school students).

Guest Lectures and Invited Talks	• **Talks at Companies**

- **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**
  - ✓ Massachusetts Institute of Technology (2012);
  - ✓ 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);
  - ✓ Nanyang Technological University, Singapore (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:**
  - ✓ ROBUS-UNSUP'2012: Joint workshop on Unsupervised and Semi-supervised Learning in NLP (in conjunction with EACL'2012), Avignon, France, April 24, 2012;
  - ✓ MWE'2011: Workshop on Multiword Expressions (in conjunction with ACL'2011), Portland, Oregon, USA, June 23, 2011.

- **Tutorial Speaker:**
  - ✓ Tutorial on Semantic Relations between Nominals at RANLP'2013, Hissar, Bulgaria, September 7, 2013.
  - ✓ Tutorial on Web Knowledge Extraction and Applications at RANLP'2011, Hissar, Bulgaria, September 10, 2011.

- **Invitation-only seminars**
  - ✓ Dagstuhl seminar on Statistical Techniques for Translating to Morphologically Rich Languages in (2014).

Organisation of Conference, Workshop, Special Journal Issues

- EMNLP'2014: Conference on Empirical Methods in Natural Language Processing (local co-organizer, *with Kareem Darwish, Francisco Guzmán, Kimberly Mathern, and Kemal Oflazer*);

- SemEval'2014: International Workshop on Semantic Evaluation (co-chair, *with Torsten Zesch*);

- JNLE: Special Issue of the *Journal of Natural Language Engineering* on Computational Approaches to the Semantics of Noun Compounds, 2013 (guest co-editor, *with Francis Bond, Su Nam Kim, and Stan Szpakowicz*);

- RANLP'2013: Conference on Recent Advances in Natural Language Processing (co-organizer, *with Galia Angelova, Kalina Bontcheva, Ruslan Mitkov, Nikolai Nikolov, Ivelina Nikolova, Kiril Simov, Irina Temnikova, and Natalia Konstantinova*);

- STARSEM'2013: Second Joint Conference on Lexical and Computational Semantics (area chair for Morphology/Semantics Interface, *with Lauri Karttunen*);

- ACL'2013 Student Research Workshop (faculty advisor, *with Steven Bethard, Feiyu Xu, Anik Dey, Eva Vecchi, Sebastian Krause, and Ivelina Nikolova*);

- @SemEval'2013: 7th International Workshop on Semantic Evaluations, 2013 – co-organizer of two tasks:
  - *#2: Sentiment Analysis in Twitter (with Theresa Wilson, Zornitsa Kozareva, Alan Ritter, Sara Rosenthal, and Veselin Stoyanov);*
  - *#4: Free Paraphrases of Noun Compounds (with Cristina Butnariu, Iris Hendrickx, Su Nam Kim, Zornitsa Kozareva, Diarmuid Ó Séaghdha, Stan Szpakowicz, and Tony Veale).*

- NLP&LOD'2013: RANLP'2013 Workshop on Natural Language Processing and Linked Open Data (co-organizer, *with Petya Osenova, Kiril Simov, and Georgi Georgiev*);

- 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, Irina Temnikova, and Natalia Konstantinova*);

- AISB'2011: Artificial Intelligence and Simulation of Behaviour Convention (track co-chair, *with Dimitar Kazakov and Ahmad Shahid*);

- LLMMC'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*);

- 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

Peer reviewer

Journal Editor

1. JNLE: Special Issue on "Computational Approaches to the Semantics of Noun Compounds" (guest editor, 2011-2013).

Journal Reviewer

2. AIJ: Artificial Intelligence Journal (2010);
3. CL: Computational Linguistics (2011, 2012, 2013);
4. CBM: Computers in Biology and Medicine (2009);
5. C&E: Computers and Education (2013);
6. DKE: Data & Knowledge Engineering (2009, 2011);
7. FGCS: Future Generation Computer Systems (2012);
8. ISF: Information Systems Frontiers (2011);
9. IS: IEEE Intelligent Systems (2008);
10. JAIR: Journal of Artificial Intelligence Research (2009, 2011, 2013);
11. JASIST: Journal of the American Society for Information Science and Technology (2012);
12. JCST: Journal of Computer Science and Technology (2010);
13. JNLE: Journal of Natural Language Engineering (2007, 2008, 2010, 2011, 2012);
14. LRE: Language Resources and Evaluation (2008, 2011, 2012);
15. TALIP: ACM Transactions on Asian Language Information Processing (2008, 2009, 2010, 2011,2012);
16. TASLP: IEEE Transactions on Audio, Speech and Language Processing (2009);
17. TCJ: The Computer Journal (2009, 2012);
18. TKDE: IEEE Transactions on Knowledge and Data Engineering (2008, 2009, 2011);
19. TSLP: ACM Transactions on Speech and Language Processing (2012);
20. ZJUS-C: Journal of Zhejiang University Science C (2010).

Conferences

21. ACL'2013: 51st Annual Meeting of the Association for Computational Linguistics;
22. NAACL-HLT'2013: North American Chapter of the Association for Computational Linguistics - Human Language Technologies;
23. IJCAI'2013: 23nd International Joint Conference on Artificial Intelligence;
24. IJCNLP'2013: 6th International Joint Conference on Natural Language Processing;
25. CICLING'2013: 14th International Conference on Intelligent Text Processing and Computational Linguistics;
26. RANLP'2013: Conference on Recent Advances in Natural Language Processing (co-organizer);
27. SIGIR'2013 (short): The 36th Annual ACM SIGIR Conference;
28. STARSEM'2013: Second Joint Conference on Lexical and Computational Semantics (area chair for Morphology/Semantics Interface);
29. AICCSA'2013: 10th Arab Computing Society IEEE International Conference on Computer Systems and Applications.
30. INISTA'2013: 7th International Symposium on INnovations in Intelligent SysTems and Applications.
31. MIE'2013: Doctoral Conference in Mathematics, Informatics and Education;
32. ACL'2012: 50th Annual Meeting of the Association for Computational Linguistics;
33. NAACL-HLT'2012: North American Chapter of the Association for Computational Linguistics - Human Language Technologies;
34. EMNLP-CoNLL'2012: Conference on Empirical Methods in Natural Language Processing and Natural Language Learning;
35. EACL 2012 : Thirteenth Conference of the European Chapter of the Association for Computational Linguistics;
36. COLING'2012: The 24th International Conference on Computational Linguistics;
37. AAAI'2012: The 26th Conference on Artificial Intelligence;
38. SIGIR'2012 (poster): The 35th Annual ACM SIGIR Conference;
39. LREC'2012: 8th International Conference on Language Resources and Evaluation;
40. *SEM'2012: First Joint Conference on Lexical and Computational Semantics.
41. KONVENS'2012: The 11th Conference on Natural Language Processing;
42. ICEHST'2012: Sixth International Conference on e-Health Services and Technologies;
43. BMSD'2012: Second International Symposium on Business Modeling and Software Design.
44. ACL-HLT'2011: The 49th Annual Meeting of the Association for Computational Linguistics: Human Language Technologies;
45. EMNLP'2011: Conference on Empirical Methods in Natural Language Processing;
46. SIGIR'2011: The 34th Annual ACM SIGIR Conference;
47. AAAI'2011: The 25th Conference on Artificial Intelligence;
48. IJCAI'2011: The 22nd International Joint Conference on Artificial Intelligence;
49. IJCNLP'2011: 5th International Joint Conference on Natural Language Processing;
50. RANLP'2011: Conference on Recent Advances in Natural Language Processing;
51. AIRS'2011: Seventh Asia Information Retrieval Societies Conference;
52. AISB'2011: Artificial Intelligence and Simulation of Behaviour Convention (track co-chair);
53. S3T'2011: International Conference on Software, Services & Semantic Technologies;
54. AIA'2011: Conference on Artificial Intelligence and Applications;
55. ICEHST'2011: Fifth International Conference on e-Health Services and Technologies;
56. BMSD'2011: First International Symposium on Business Modeling and Software Design.
57. ACL'2010: 48th Annual Meeting of the Association for Computational Linguistics;
58. SIGIR'2010 (main): The 33rd Annual ACM SIGIR Conference;
59. SIGIR'2010 (poster): The 33rd Annual ACM SIGIR Conference;
60. LREC'2010: 7th Language Resources and Evaluation Conference;
61. AIMSA'2010: The 14th International Conference on Artificial Intelligence: Methodology, Systems, and Applications
62. AIA'2010: Conference on Artificial Intelligence and Applications;
63. AIRS'2010: The Sixth Asia Information Retrieval Societies Conference;
64. S3T'2010: International Conference on Software, Services & Semantic Technologies;
65. HLT-NAACL'2009: Human Language Technologies: The Annual Conference of the North American Chapter of the Association for Computational Linguistics;
66. EMNLP'2009: Conference on Empirical Methods in Natural Language Processing;
67. SIGIR'2009: The 32nd Annual ACM SIGIR Conference;
68. CoNLL'2009: Thirteenth Conference on Computational Natural Language Learning;
69. ACL-IJCNLP'2009: Joint conference of the 47th Annual Meeting of the Association for Computational Linguistics;
70. RANLP'2009: Conference on Recent Advances in Natural Language Processing;
71. RANLP'2009 (student): Student Session at RANLP'2009;
72. ESWC'2009: European Semantic Web Conference;
73. AIA'2009: Conference on Artificial Intelligence and Applications;
74. S3T'2009: International Conference on Software, Services & Semantic Technologies.
75. EMNLP'2008: Conference on Empirical Methods in Natural Language Processing;
76. AAAI'2008: The 23rd Annual Conference of the American Association for Artificial Intelligence;
77. LREC'2008: Sixth International Conference on Language Resources and Evaluation;
78. CryptoBG'2008: Second International Symposium on Recent Developments in Cryptography and Information Security;
79. RANLP'2007: Recent Advances in Natural Language Processing;
80. HLT/NAACL'2007: Human Language Technologies: The Annual Conference of the North American Chapter of the Association for Computational Linguistics;
81. PSB'2006: Pacific Symposium on Biocomputing;
82. ICALT'2006: IEEE International Conference on Advanced Learning Technologies;
83. ACL'2005: Annual Conference of the Association for Computational Linguistics;
84. IJCAI'2005: Nineteenth International Joint Conference on Artificial Intelligence;
85. RANLP'2005: Conference on Recent Advances in Natural Language Processing;
86. HLT/NAACL'2004: Human Language Technologies: The Annual Conference of the North American Chapter of the Association for Computational Linguistics, 2004;
87. HLT-NAACL'2004 (student): Student session of Human Language Technologies: The Annual Conference of the North American Chapter of the Association for Computational Linguistics;
88. RANLP'2003: Recent Advances in Natural Language Processing, 2003;
89. ECAI'2002: European Conference on Artificial Intelligence, 2002.

Workshops

90. ACL-SRW'2013: ACL Student Research Workshop (faculty advisor);
91. RANLP-SRW'2013: RANLP Student Research Workshop;
92. SemEval'2013: Semantic Evaluation Exercises International Workshop on Semantic Evaluation;
93. WMT'2013: Eighth Workshop on Statistical Machine Translation;
94. MWE'2013: 9th Workshop on Multiword Expressions;
95. WAC'2013: Web as a Corpus workshop: The 8th SIG WAC workshop;
96. TextGraphs'2013: Workshop on Graph-based Methods for Natural Language Processing;
97. MUMTTT'2013: MT Summit Workshop on Multi-word Units in Machine Translation and Translation Technology;
98. NLP&LOD'2013: RANLP'2013 Workshop on Natural Language Processing and Linked Open Data (co-organizer);
99. WMT'2012: NAACL'12 Seventh Workshop on Statistical Machine Translation;
100. MALINDO'2012: Sixth International Workshop on Malay and Indonesian Language Engineering;
101. SP-Sem-MRL'2012: ACL 2012 Joint Workshop on Statistical Parsing and Semantic Processing of Morphologically-Rich Languages;
102. CLW/AL'2012: Computational Linguistics Workshop on Austronesian Languages, part of 12ICAL;
103. ROBUS-UNSUP'2012: EACL 2012 Joint Workshop on Unsupervised and Semi-Supervised Learning in NLP;
104. LLMMC'2011: Symposium on Learning Language Models from Multilingual Corpora (co-organizer);
105. RELMS'2011: Workshop on Relational Models of Semantics, at ACL'2011 (co-organizer);
106. MWE'2011: Workshop on Multiword Expressions: from Parsing and Generation to the Real World, in conjunction with ACL'2011 (consulting body member);
107. IEKA'2011: Workshop on Information Extraction and Knowledge Acquisition, at RANLP'2011 (co-organizer);
108. BiomedicalNLP'2011: Workshop on Biomedical Natural Language Processing, at RANLP'2011;
109. MALINDO'2011: Fifth International Workshop on Malay and Indonesian Language Engineering;
110. WIMS'2011: International Workshop on Models and Methods of Semantics-Oriented Natural Language Processing;
111. ULNLP'2011: First Workshop on Unsupervised Learning in NLP, at EMNLP'2011;
112. AIPC'2011: Workshop on Annotation and Exploitation of Parallel Corpora, at RANLP'2011;
113. RANLP'2011 (student): Student Workshop at RANLP'2011 (PC member and student mentor);
114. SemEval'2010: 4th International Workshop on Semantic Evaluations;
115. MWE'2010: Workshop on Multiword Expressions: from Theory to Applications, in conjunction with COLING'2010 (co-organizer);
116. WAC'2010: Web as a Corpus workshop: The 6th SIG WAC workshop;
117. MALINDO'2010: Forth International Workshop on Malay and Indonesian Language Engineering;
118. ESIT-BioMed 2010: Extraction of Structured Information from Texts in the Biomedical Domain, Workshop in Association with ICCS'10.
119. MWE'2009: Workshop on Multiword Expressions: Identification, Interpretation, Disambiguation and Applications, collocated with ACL-IJCNLP'2009 (co-organizer);
120. WAC'2009: Web as a Corpus workshop: The 5th SIG WAC workshop, in conjunction with SEPLN'2009 (the Spanish NLP conference);
121. MALINDO'2009: Third International Workshop on Malay and Indonesian Language Engineering, in conjunction with ACL-IJCNLP'2009;
122. Workshop on Adaptation of Language Resources and Technologies to New Domains, in conjunction with RANLP'2009;
123. Workshop on the Future of the Book, in conjunction with S3T'2009;
124. MWE'2008: Workshop on Multiword Expressions: Towards a Shared Task for Multiword Expressions, in conjunction with LREC'2008;
125. LDALSK'2008: Workshop on Language Diversity and the Acquisition of Linguistic-Semantic Knowledge;
126. Open PhD Workshop on Technology-Enhanced Learning and Semantics, Software and Services, in conjunction with AIMSA'2008;
127. Workshop on Machine Learning and Intelligent Systems, in conjunction with CryptoBG'2008: the Second International Symposium on Recent Developments in Cryptography and Information Security;
128. SemEval'2007: 4th International Workshop on Semantic Evaluations (task co-organizer);
129. MWE'2007: Workshop on Multiword Expressions: A Broader Perspective on Multiword Expressions.

Research Grants

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

List of publications

(excluding submissions under review)

Total: 119

Important journals: Advances in Bioinformatics (1), Bioinformatics (1), JAIR (1), Genome Biology (1), LRE (1), Natural Language Engineering (2), ACM TSLP (1).

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

- ACL: 5;   (*rank 1*)
- EMNLP: 4;   (*rank 1*)
- HLT-NAACL: 2; (*rank 1*)
- ICML: 1;   (*rank 1*)
- COLING: 1;   (*rank 2*)
- CoNLL: 1;   (*rank 2*)
- EACL: 1;   (*rank 2*)
- ECAI: 2;   (*rank 3*)
- RANLP: 13.   (*rank 3*)

See, e.g., the CS conference ranking of NUS at http://www.comp.nus.edu.sg/~wang06/SoC%20Conference%20Ranking.htm
See also the Australian CORE: http://core.edu.au/index.php/categories/conference%20rankings/1
And the Arnet Miner NLP conference ranking: http://arnetminer.org/page/conference-rank/html/NLP.html

NOTE: In computational linguistics, conferences are generally 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) [1]

   Преслав Наков, 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 Наков. „*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 Hadjikrystev, 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 Наков 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 Донев, Мартин Кулов, Михаил Стойнов, Моника Алексиева, Николай Недялков, Панайот Добриков, **Преслав Наков**, Радослав Иванов, Рослан Борисов, Светлин Наков, Стефан Добрев, Стефан Захариев, Стефан Кирязов, Стоян Дамов, Тодор Колев, Христо Дешев, Христо Радков, Цветелин Андреев, Явор Ташев.

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[1] 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".

2013

1. Vivi Nastase, **Preslav Nakov**, Diarmuid O Seaghdha, Stan Szpakowicz. *Semantic Relations Between Nominals*. Synthesis Lectures on Human Language Technologies 6 (1), 1-119. Morgan & Claypool Publishers. (book)

2. **Preslav Nakov** and Marti Hearst. *Semantic Interpretation of Noun Compounds Using Verbal and Other Paraphrases*. ACM Transactions on Speech and Language Processing (**TSLP**). 10(3):13:1—13:51, July 2013.

3. **Preslav Nakov**. *On the Interpretation of Noun Compounds: Syntax, Semantics, Entailment*. Natural Language Engineering (**NLE**). 19(3):192-330, July 2013. Cambridge University Press.

4. Stan Szpakowicz, Francis Bond, **Preslav Nakov**, Su Nam Kim. *On the semantics of noun compounds*. Natural Language Engineering (**NLE**). 19(3):289-290, July 2013. Cambridge University Press.

5. **Preslav Nakov**, Francisco Guzman, Stephan Vogel. *A Tale about PRO and Monsters*. In Proceedings of the 51st Annual Meeting of the Association for Computational Linguistics (**ACL'13**). pp.12-17, 2013, Sofia, Bulgaria.

6. Kostadin Georgiev, **Preslav Nakov**. *A non-IID Framework for Collaborative Filtering with Restricted Boltzmann Machines*. In Proceedings of the International Conference on Machine Learning (**ICML'13**). June 17-19, 2013, Atlanta, GA, USA.

7. **Preslav Nakov**, Fahad Al Obaidli, Francisco Guzmán and Stephan Vogel. *Parameter Optimization for Statistical Machine Translation: It Pays to Learn from Hard Examples*. In Proceedings of RANLP'2013, Hissar, Bulgaria, September 2013.

8. Jörg Tiedemann, **Preslav Nakov**. *Analyzing the Use of Character-Level Translation with Sparse and Noisy Datasets*. In Proceedings of RANLP'2013, Hissar, Bulgaria, September 2013.

9. **Preslav Nakov**, Sara Rosenthal, Zornitsa Kozareva, Veselin Stoyanov, Alan Ritter, Theresa Wilson. *SemEval-2013 Task 2: Sentiment Analysis in Twitter.* In Proceedings of the Second Joint Conference on Lexical and Computational Semantics (*SEM'13), Volume 2: Proceedings of the Seventh International Workshop on Semantic Evaluation (**SemEval'13**). pp. 312-320, June 17-19, 2013, Atlanta, GA, USA.

10. Iris Hendrickx, Zornitsa Kozareva, **Preslav Nakov**, Diarmuid O Seaghdha, Stan Szpakowicz, Tony Veale. *SemEval-2013 Task 4: Free Paraphrases of Noun Compounds.* In Proceedings of the Second Joint Conference on Lexical and Computational Semantics (*SEM'13), Volume 2: Proceedings of the Seventh International Workshop on Semantic Evaluation (**SemEval'13**). pp. 138-143, June 17-19, 2013, Atlanta, GA, USA.

11. Anik Dey, Eva Vecchi, Sebastian Krause, Ivelina Nikolova, Steven Bethard, **Preslav Nakov**, Feiyu Xu. (editors). Proceedings of the ACL 2013 Student Research Workshop (**SRW**). August 5-7, 2013, Sofia, Bulgaria. (to appear)

12. Petya Osenova, Kiril Simov, Georgi Georgiev, **Preslav Nakov**. (editors). Proceedings of the RANLP 2013 Workshop on Natural Language Processing and Linked Open Data. September 12, 2013, Hissar, Bulgaria. (to appear)

2012

1. **Preslav Nakov**, Hwee Tou Ng. *Improving Statistical Machine Translation for a Resource-Poor Language Using Related Resource-Rich Languages*. Journal of Artificial Intelligence Research (**JAIR**) , vol. 44, pp. 179-222, May 2012.

2. Anna Divoli, **Preslav Nakov**, and Marti Hearst. *Do Peers See More in a Paper than its Authors?* **Advances in Bioinformatics**. vol. 2012, Article ID 750214, 15 pages, 2012. doi:10.1155/2012/750214

3. Pidong Wang, **Preslav Nakov**, Hwee Tou Ng. Source Language Adaptation for Resource-Poor Machine Translation. In Proceedings of the Conference on Empirical Methods in Natural Language Processing and Natural Language Learning (**EMNLP-CoNLL'12**). pp.286-296, 2012, Jeju, Korea.

4. **Preslav Nakov**, Jörg Tiedemann. *Combining Word-Level and Character-Level Models for Machine Translation Between Closely-Related Languages*. In Proceedings of the 50th Annual Meeting of the Association for Computational Linguistics (**ACL'12**), pp.301-305, 2012, Jeju, Republic of Korea.

5. **Preslav Nakov**, Francisco Guzmán, Stephan Vogel. *Optimizing for Sentence-Level BLEU+1 Yields Short Translations*. In Proceedings of the 24th International Conference on Computational Linguistics (**COLING'12**). pp. 1979-1994, December 2012, Mumbai, India.

6. Georgi Georgiev, Valentin Zhikov, Kiril Simov, Petya Osenova, and **Preslav Nakov**. *Feature-rich Part-of-speech Tagging for Morphologically Complex Languages: Application to Bulgarian*. In Proceedings of the 13th Conference of the European Chapter of the Association for computational Linguistics (**EACL'12**). pp. 492-502. April 23-27, 2012, Avignon, France.

7. Francisco Guzman, **Preslav Nakov**, Ahmed Thabet, Stephan Vogel. *QCRI at WMT12: Experiments in Spanish-English and German-English Machine Translation of News Text*. In Proceedings of the Seventh Workshop on Statistical Machine Translation (**WMT'12**), pp. 298-303, June 7-8, 2012, Montréal, Québec, Canada.

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'2011**), pp. 1298-1307, 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 Epicrises*. 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

2009

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*)

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