

## CURRICULUM VITAE

## PERSONAL DATA AND EDUCATION

NAME: Stan SZPAKOWICZ

DEPARTMENT: School of Electrical Engineering and Computer Science RANK: Emeritus Professor

DEGREE	INSTITUTION	LOCATION	YEAR
DSc* in Computer Science	Institute of Computer Science, Polish Academy of Sciences	Warsaw, Poland	2013
PhD in Computer Science	Warsaw University	Warsaw, Poland	1978
MSc in Applied Mathematics	Warsaw University	Warsaw, Poland	1970

## ACADEMIC AND RESEARCH EXPERIENCE

Positions held	Institution	Dates
emeritus professor	School of Electrical Engineering and Computer Science, University of Ottawa	July 2013 -
professor	School of Electrical Engineering and Computer Science, University of Ottawa	fall 2011 - June 2013
foreign associate	Institute of Computer Science, Polish Academy of Sciences	April 2005 - February 2014
visiting professor	Department of Computer Science, University of Waikato	July 1998 - June 1999
professor	School of Information Technology and Engineering, University of Ottawa	May 1997 - fall 2011
adjunct research professor	Institute of Cognitive Science, Carleton University	July 1996 - June 2017
adjunct professor	School of Business, Carleton University	July 1994 - June 2000
professor	Department of Computer Science, University of Ottawa	May 1994 - April 1997
visiting professor	Computer Science Department, University of the Witwatersrand	July 1990 - June 1991
associate professor	Department of Computer Science, University of Ottawa	July 1985 - April 1994
visiting assistant professor	Department of Computer Science, University of Kentucky	August 1984 - June 1985
research associate	Department of Computer Science, University of Ottawa	June 1984 - August 1984
senior software engineer	Computing Centre, Institute of Informatics, Warsaw University	February 1983 - June 1984
assistant professor	Institute of Informatics, Warsaw University	December 1978 - February 1983
lecturer and research assistant	Institute of Informatics, Warsaw University	October 1970 - December 1978

\* habilitation

## EXTERNALLY AWARDED MAJOR RESEARCH GRANTS AND CONTRACTS

YEARS	AGENCY	TITLE OF PROJECT	TYPE	AMOUNT PER YEAR
2012-2018	NSERC	Making Sense of Semantic Relations	RI	14,000
2009-2012	MNI <sup>1</sup>	Semi-automatic construction of lexical resources by recognizing semantic relations from morpho-syntactic and semantic data in corpora (with <b>M. Piasecki</b> , B. Broda, M. Głabska, J. Rabięga-Wiśniewska + four others)	RG	PLN 136,650
2007-2012	NSERC	Discovering Subjectivity in Language	RI	23,000
2005-2008	MNI	Automatic methods of constructing a semantic network of Polish lexemes for natural language processing (with <b>M. Piasecki</b> , M. Derwojedowa, A. Przepiórkowski, M. Zawislawska)	RG	PLN 122,300
2003-2006	SSHRC-RDI	Elaboration d'une base de données informatisée sur le lexique du français contemporain pour la recherche (with <b>A. Desrochers</b> )	RG	11,666
2002-2006	SSHRC-INE	Electronic Negotiations, Media, and Transactions in Socio-economic Interactions (with <b>G. Kersten</b> , J. Etezadi, K. Laframboise, A. Soberg, R. Vahidov, Yufei Yuan; collaboration with M. Bichler, M. Stroebel, E. Thiessen, C. Weinhardt, M. Schoop, Tung Bui, S. Koeszegi, R. Vetschera)	RG	328,000 <sup>2</sup>
2003-2006	SSHRC-INE	Élaboration d'un didacticiel intelligent pour le développement de compétences en lecture chez les apprenants en langue seconde (with <b>L. Duquette</b> , C. Barrière, A. Desrochers, S. Matwin; collaboration with M. Laurier, P. Balcom, G. Chevalier, J. Binon, T. Selva, S. Verlinde)	RG	86,667
2002-2007	NSERC	Tools and techniques for shallow semantic analysis of English documents	RI	23,000
2001-2004	SSHRC	Élaboration d'un didacticiel intelligent pour le développement des compétences en lecture chez les apprenants en langue seconde (with <b>L. Duquette</b> , C. Barrière, A. Desrochers, D. Forget, J. Liceras, S. Matwin)	RG	average 28,333
2001-2003	University of Ottawa	Élaboration d'un didacticiel intelligent pour le développement des compétences en lecture chez les apprenants en langue seconde (with <b>L. Duquette</b> , C. Barrière, A. Desrochers, D. Forget, J. Liceras, S. Matwin)	RG	10,000
2000-2002	CITO	Content Extraction from On-line Documents (with <b>S. Matwin</b> , K. Barker, C. Barrière, R. Holte)	CG	average 67,000

<sup>1</sup> Ministerstwo Nauki i Informatyzacji (Department of Science and Informatization), Poland

<sup>2</sup> 352,000 in 2003-2006

YEARS	AGENCY	TITLE OF PROJECT	TYPE	AMOUNT PER YEAR
1998-2002	NSERC	Text analysis for knowledge acquisition	RI	19,635 <sup>3</sup>
1996-99	NSERC / ThinkTank Technologies	Intelligent information access (with <b>R. Holte</b> , M. Brooks, J.-F. Delannoy, S. Marsh, J. Martin, S. Matwin, D. Schuurmans, P. Turney)	RG	116,000 / 45,000
1994-1998	NSERC	Text analysis for knowledge acquisition	RI	16,000
1994-1997	Max Bell Foundation	Development of Patient Simulator Software for Medical Education and Evaluation (with <b>S. Z. Rubin</b> , G. E. Kersten, J. Turnbull)	C	≈40,000
1994-1995	NSERC (equipment)	Computing Facilities for Research on Artificial Intelligence Techniques for Decision Support and on Knowledge Acquisition (with <b>G. E. Kersten</b> , D. Cray, V. Jog, D. Skuce)	RG	33,910
1991-1995	NSERC (strategic)	Automation and Support of Decisions with Strategic Interactions (with T. Bui, <b>G. Kersten</b> , W. Michalowski, K. Sycara)	RG	≈95,000
1991-1994	NSERC (strategic)	Machine Learning and Text Analysis for Semi-automatic Knowledge Acquisition (with <b>S. Matwin</b> )	RG	73,075
1991-1994	NSERC	Knowledge acquisition from text	RI	15,500
1989-1991	Cognos-OTF	Adaptive modeller support (with <b>S. Matwin</b> and F. Oppacher)	CG	99,000
1988-1991	NSERC	New approaches to knowledge acquisition (with <b>S. Matwin</b> and F. Oppacher)	RG	42,000
1988-1991	URIF	New approaches to knowledge acquisition (with <b>S. Matwin</b> and F. Oppacher)	RG	15,000
1988-1991	Cognos	New approaches to knowledge acquisition (with <b>S. Matwin</b> and F. Oppacher)	CG	27,000
1988-1991	NSERC	Incremental knowledge acquisition from technical texts	RI	15,477
1987-1988	NSERC	Automating knowledge acquisition from English texts	RI	10,000
1986-1987	NSERC	Automating knowledge acquisition from English texts	RI	10,000

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<sup>3</sup> 18,700 in 1998-1999

**TEACHING EXPERIENCE**

Artificial intelligence	Compiler development
Computer organization	Data bases
Data structures	Logic programming
Natural language processing	Programming languages

**SUPERVISION OF GRADUATE STUDENTS**

	SUCCESSFULLY COMPLETED	IN PROGRESS	INACTIVE/ ABORTED
(A) DOCTORAL THESES	8		2
(B) MASTER'S THESES	18	-	-
(C) POSTDOCTORAL FELLOWS	8		

The detailed list

*(does not include 3 MSc students in Poland)*

Diman Ghazi (PhD), "Identifying Expressions of Emotions and Their Stimuli in Text", Jan. 2009-Dec. 2015 (co-supervisor: Dr. Diana Inkpen)

Anna Kazantseva (PhD), "Topical structure in long informal documents", Jan. 2007-Sep. 2014

Alistair Kennedy (PhD), "Automatic Supervised Thesauri Construction with Roget's Thesaurus", Jan. 2007-Dec. 2012

Richard Keelan (MCS), "Lexical Aspectual Classification", Sep. 2009-June 2012

Viviana Nastase (postdoctoral), analyzing the language of negotiation, Dec. 2003-Mar. 2006 (co-supervisor: Dr. Gregory Kersten)

Matthieu Hermet (PhD), "Automated Analysis of Students' Free-text Answers for Computer-Assisted Assessment", Sep. 2003-Aug. 2009

Marina Sokolova (PhD), "Language in Electronic Business Negotiations", May 2003-Feb. 2006

Saima Aman (MCS), "Learning Emotions from Text", Sep. 2005-July 2007

Darren Kipp (MCS), "Shallow Semantics for Topic-Oriented Multi-Document Automatic Test Summarization", Jan. 2005-Nov. 2008 (co-supervisor: Dr. Diana Inkpen)

Alistair Kennedy (MCS), "Analysis and Construction of Noun Hypernym Hierarchies to Enhance Roget's Thesaurus", Sep. 2004-Dec. 2006

Anna Kazantseva (MCS), "Automatic Summarization of Short Fiction", Apr. 2004-Dec. 2006

R. J. Bhatia (MCS), "Automating Assignment of Semantic Relations in TANKA", Sep. 2003-July 2006

Asad Sayeed (MCS), "Developing a Minimalist Parser for Free Word Order Languages", Jan. 2003-June 2005

Lois Rigouste (MCS), "Evolution of a Text Summarization System in an Automatic Evaluation Framework", September 2001-September 2003 (co-supervisor: Dr. Nathalie Japkowicz)

Viviana Nastase (PhD), "Semantic Relationships Across Syntactic Levels", Sep. 1998-Dec. 2003

Mario Jarmasz (MCS), "The Roget's Thesaurus as a Lexical Knowledge Base", Sep. 1998-July 2003

Yllias Chali (postdoctoral), intelligent information access, Mar. 1998-July 1999 (co-supervisor: Dr. Stan Matwin)

Emre Erkol (MCS), "A Multi-Agent Extension of Negoplan and Its Application to a Business Strategy Game", 1996-1998 (co-supervisor: Dr. Gregory Kersten)

- Elizabeth Scarlett (MCS), "Optimization of a Rule-based Parser of English Sentences", 1994-2000
- Darren Meister (postdoctoral), automation and support of decisions with strategic interactions, 1994-1995 (co-supervisor: Dr. Gregory Kersten)
- Sunil Noronha (postdoctoral), automation and support of decisions with strategic interactions, 1994-1995 (co-supervisor: Dr. Gregory Kersten)
- Janse Tolmie (postdoctoral), automation and support of decisions with strategic interactions, 1994-1995 (co-supervisor: Dr. Gregory Kersten)
- Stephen Chow (M Mgmt Studies), evaluation of an interface to a medical decision support system, 1993-1996 (co-supervisor: Dr. Gregory Kersten)
- Qi Shiyuan (PhD), no topic assigned, 1993-1995 (resigned)
- Jean-François Delannoy (postdoctoral), machine learning and text analysis for semi-automatic knowledge acquisition, 1993-1994 (co-supervisor: Dr. Stan Matwin)
- Ping Lu (postdoctoral), automation and support of decisions with strategic interactions, 1993 (co-supervisor: Dr. Gregory Kersten)
- Cao Feng (postdoctoral), machine learning and text analysis for semi-automatic knowledge acquisition, 1992-1994 (co-supervisor: Dr. Stan Matwin)
- Ken Barker (PhD), "Semi-Automatic Recognition of Semantic Relationships in English Technical Texts", 1991-1998
- Sylvain Delisle (PhD), "Text Processing without a priori Domain Knowledge: Semi-Automatic Linguistic Analysis for Incremental Knowledge Acquisition", 1990-1994
- Leixuan Yang (PhD), "Conceptual Network: A Knowledge Representation Formalism", 1989-1993 (leave of absence in 1993; withdrew in 1996)
- Christine Laurendeau (MCS), "Automated Acquisition of Technical Concepts from Unrestricted English Text using Noun Phrase Classification", 1990-1992
- Victor Loewen (MA), "ORDINOTRAD: A machine Translation System based on Case Grammar", 1987-1989 (co-supervisor: Dr. Brian Harris)
- Sylvain Delisle (MCS), "A Natural Language Interface for an Expert Advisor System", 1985-1987

**PUBLICATIONS AND PRESENTATIONS (career totals)**

Papers in refereed journals	43
Papers in refereed conference proceedings	143
Books written	6
Books edited	2
Refereed book chapters	12
Other book chapters	6
Conference presentations	22
Technical reports	21

**PUBLICATIONS AND PRESENTATIONS (details)\*****A. Papers in refereed journals**

Haifa Alharthi, Diana Inkpen, Stan Szpakowicz (2017). "A survey of book recommender systems". *Journal of Intelligent Information Systems*, Online First, <https://doi.org/10.1007/s10844-017-0489-9>, 1-22.

Marek Maziarz, Maciej Piasecki, Stan Szpakowicz (2015). "The system of register labels in plWordNet". *Cognitive Studies / Études Cognitives*, **15**, 161-175.

Alistair Kennedy, Stan Szpakowicz (2014). "Evaluation of Automatic Updates of Roget's Thesaurus". *Journal of Language Modelling* **2**(1), <http://nlp.ipipan.waw.pl/ojs/index.php/JLM/article/view/78>, 1-49.

Diman Ghazi, Diana Inkpen, Stan Szpakowicz (2014). "Prior and Contextual Emotion of Words in Sentential Context". *Computer Speech and Language* **28**(1), <http://dx.doi.org/10.1016/j.csl.2013.04.009>, 76-92.

Marek Maziarz, Maciej Piasecki, Stan Szpakowicz (2013). "The chicken-and-egg problem in wordnet design: synonymy, synsets and constitutive relations". *Language Resources and Evaluation* **47**(3), DOI 10.1007/s10579-012-9209-9, 769-796.

Marek Maziarz, Stan Szpakowicz, Maciej Piasecki (2012). "Semantic Relations among Adjectives in Polish WordNet 2.0: A New Relation Set, Discussion and Evaluation", *Cognitive Studies / Études Cognitives*, **12**, 149-179.

Marek Maziarz, Maciej Piasecki, Stan Szpakowicz, Joanna Rabięga-Wiśniewska (2011). "Semantic Relations among Nouns in Polish WordNet Grounded in Lexicographic and Semantic Tradition", *Cognitive Studies / Études Cognitives*, **11**, 161-181.

Marek Maziarz, Maciej Piasecki, Stan Szpakowicz, Joanna Rabięga-Wiśniewska, Bożena Hojka (2011). "Semantic Relations Between Verbs in Polish Wordnet 2.0", *Cognitive Studies / Études Cognitives*, **11**, 183-200.

Bartosz Broda, Maciej Piasecki, Stan Szpakowicz (2010). "Extraction of Polish Noun Senses from Large Corpora by Means of Clustering", *Control and Cybernetics*, **39**(2) [special issue on Intelligent Information Processing and Web Mining], 401-420.

Anna Kazantseva, Stan Szpakowicz (2010). "Summarizing Short Stories", *Computational Linguistics*, **36**(1), 71-109.

Vivi Nastase, Stan Szpakowicz (2009). "The Same Semantic Relations Link Structurally Different Realizations of Concepts", *Linguistic Issues in Language Technology*, **2**(3), 1-45.

Roxana Girju, Preslav Nakov, Vivi Nastase, Stan Szpakowicz, Peter Turney, Deniz Yuret (2009). "Classification of Semantic Relations between Nominals", *Language Resources and Evaluation*, **43**(2), 105-121.

Marina Sokolova, Stan Szpakowicz (2007). "Strategies and Language Trends in Learning Success and Failure of Negotiation", *Group Decision and Negotiation*, **16**(5), 469-484.

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\* The lifetime **h-index** value of my publications, according to Google Scholar Citations, is **30**. The **i10-index** value is **78**.

- Vivi Nastase, Sabine Köszegi, Stan Szpakowicz (2007). "Content Analysis Through the Machine Learning Mill". *Group Decision and Negotiation*, **16**(4) [an expanded version of Nastase, Köszegi, Szpakowicz 2005], 335-346.
- Marina Sokolova, Mohak Shah, Stan Szpakowicz (2006). "Comparative Analysis of Text Data in Successful Face-to-Face and Electronic Negotiations", *Group Decision and Negotiation*, **15**(2) [an expanded version of Sokolova, Shah, Szpakowicz 2005], 127-140.
- Mohak Shah, Marina Sokolova, Stan Szpakowicz (2006). "Process-Specific Information for Learning E-negotiation Outcomes", *Fundamenta Informaticae*, **74**(2-3), 351-373.
- Ken Barker, Terry Copeck, Sylvain Delisle, Stan Szpakowicz (1997). "Systematic Construction of a Versatile Case System", *J. Natural Language Engineering*, **3**(4), 279-315.
- Terry Copeck, Ken Barker, Sylvain Delisle, Stan Szpakowicz, Jean-François Delannoy (1997). "What is Technical Text?", *Language Sciences*, **19**(4), 391-424.
- Gregory E. Kersten, Stan Szpakowicz (1997). "A Formal Account of Sequential Decision-Making in a Co-Operative Setting", *Fundamenta Informaticae*, **30**(3/4), 269-282.
- Sylvain Delisle, Ken Barker, Terry Copeck, Stan Szpakowicz (1996). "Interactive Semantic Analysis of Technical Texts", *Computational Intelligence* **12**(2), 273-306.
- Gregory E. Kersten, Stan Szpakowicz (1995). "Forming Decision Making Skills with a Patient Simulator", *Control and Cybernetics*, **24**(3), 301-326.
- Marek Świdziński, Stanisław Szpakowicz (1994). "Sentence Schemata for the Universal Basic Dictionary of Contemporary Polish". *Int. J. of Lexicography*, **7**(1), 1-30.
- Gregory E. Kersten, Stan Szpakowicz (1994). "Decision Making and Decision Aiding: Defining the Process, Its Representations, and Support". *Group Decision and Negotiation*, **3**(2), 237-261.
- Marek Świdziński, Stanisław Szpakowicz (1993). "Non-typical Linguistic Phenomena in the Universal Basic Dictionary of Contemporary Polish". *Int. J. of Lexicography*, **6**(4), 223-251.
- Zbig Koperczak, Stan Matwin, Stan Szpakowicz (1992). "Modelling Negotiation Strategies with Two Interacting Expert Systems". *Control and Cybernetics* (special issue on Bargaining and Arbitration in Conflicts), **21**(1), 105-130.
- Stan Matwin, Stan Szpakowicz (1992). "Machine Learning Techniques in Knowledge Acquisition from Text". *THINK*, **1**(2), 37-50.
- Gregory E. Kersten, Wojtek Michałowski, Stan Szpakowicz, Zbig Koperczak (1991). "Restructurable Representations of Negotiation". *Management Science*, **37**(10), 1269-1290.
- Wojtek Michałowski, Gregory E. Kersten, Zbig Koperczak, Stan Szpakowicz (1991). "Disaster Management with NEGOPLAN". *Expert Systems with Applications*, **2**(2-3), 107-120.
- Stanisław Szpakowicz, Marek Świdziński (1990). "A Formal Definition of the Co-ordinate Nominal Group in Contemporary Written Polish" [in Polish]. *Studia Gramatyczne IX*, Wrocław-Warszawa-Kraków, Zakład Narodowy im. Ossolińskich, The Polish Academy of Sciences, 9-54.
- Stan Szpakowicz (1990). "Semi-Automatic Acquisition of Conceptual Structure from Technical Texts". *Int. J. of Man-Machine Studies*, **33**, 385-397.
- Gregory E. Kersten, Stan Szpakowicz, Zbig Koperczak (1990). "Modelling of Decision Making for Discrete Processes in Dynamic Environments". *Computers and Mathematics with Applications*, **20**(9/10), 29-43.
- Gregory E. Kersten, Stan Szpakowicz (1990). "Rule-based Formalism and Preference Representation: an Extension of NEGOPLAN". *European J. of Operational Research*, **45**(2-3), 309-323.
- Zygmunt Saloni, Stanisław Szpakowicz, Marek Świdziński (1990). "The Design of a Universal Basic Dictionary of Contemporary Polish". *Int. J. of Lexicography*, **3**(1), 1-22.
- Włodzimierz Gruszczyński, Krystyna Laus-Mączyńska, Maria Rogowska, Zygmunt Saloni, Stanisław Szpakowicz, Marek Świdziński (1990). "The Precision of a Lexicographic Description as a Linguistic Problem" [in Polish]. *Studia Gramatyczne IX*, 135-173.
- Stan Matwin, Stan Szpakowicz, Zbig Koperczak, Gregory E. Kersten, Wojtek Michałowski (1989). "NEGOPLAN: An Expert System Shell for Negotiation Support". *IEEE Expert*, **4**(4), 50-62.

- Gregory E. Kersten, Wojtek Michałowski, Stan Matwin, Stan Szpakowicz (1988). "Representing the Negotiation Process with a Rule-based Formalism". *Theory and Decision*, **25**(3), 225-257.
- Doug Skuce, Stan Matwin, Branka Tauzovich, Franz Oppacher, Stan Szpakowicz (1985). "A Logic-Based Knowledge Source System for Natural Language Documents". *Data and Knowledge Engineering*, **1**, 201-231.
- Janusz S. Bień, Stanisław Szpakowicz (1982). "Trends in the Programming Language Prolog" [in Polish]. *Studia z Automatyki IX*, PWN [Polish Scientific Publishing House], Poznan, 21-43.
- Stanisław Szpakowicz, Marek Świdziński (1982). "A Simple Dialogue in Polish: Interactive Railway Guide". *Computers and Artificial Intelligence*, **1**(5), Bratislava, 419-425.
- Zygmunt Saloni, Stanisław Szpakowicz, Marek Świdziński (1982). "An Outline of an Idea of a General Basic Dictionary of Contemporary Written Polish" [in Polish]. *Bulletin of Polish Linguistic Society*, **XXXIX**, 131-146.
- Stanisław Szpakowicz, Marek Świdziński (1981). "An Outline of a Classification of Sentence Schemata in Contemporary Written Polish" [in Polish]. *Polonica VII*, Ossolineum, Wrocław, 5-35.
- Stanisław Szpakowicz, Marek Świdziński (1979). "Programming in Prolog: the Train Timetable System" [in Polish]. *Informatyka*, no. 12, 12-16.
- Feliks Kluźniak, Stanisław Szpakowicz (1979). "Introduction to PROLOG" [in Polish]. *Informatyka*, no. 4, 10-13.

## **B. Papers in refereed conference proceedings**

- Haifa Alharthi, Diana Inkpen, Stan Szpakowicz (2017). Unsupervised Topic Modelling in a Book Recommender System for New Users. *Proc. 40th International ACM SIGIR Conference, Workshop on eCommerce ECOM'17*, Tokyo, to appear (9 pages).
- Vaibhav Kesarwani, Diana Inkpen, Stan Szpakowicz, Chris Tanasescu (2017). "Metaphor Detection in a Poetry Corpus". *Proc. Joint SIGHUM Workshop on Computational Linguistics for Cultural Heritage, Social Sciences, Humanities and Literature*, Vancouver, BC, 1-9.
- Marek Maziarz, Maciej Piasecki, Ewa Rudnicka, Stan Szpakowicz, Paweł Kędzia (2016). "plWordNet 3.0 -- a Comprehensive Lexical-Semantic Resource". *Proc. Coling 2016, the 26th International Conference on Computational Linguistics: Technical Papers*, Osaka, 2259–2268.
- Maciej Piasecki, Stan Szpakowicz, Marek Maziarz, Ewa Rudnicka (2016). "plWordNet 3.0 -- Almost There". *Proc. 8th International Global Wordnet Conference*, 290-299.
- Marek Maziarz, Stan Szpakowicz, Michał Kaliński (2016). "Adverbs in plWordNet: Theory and Implementation". *Proc. 8th International Global Wordnet Conference*, 209-217.
- Marek Maziarz, Stan Szpakowicz, Maciej Piasecki (2015). "A procedural definition of multi-word lexical units". *Proc. Recent Advances in Natural Language Processing, RANLP 2015*, Hissar, Bulgaria, 427-435.
- Monika Zaśko-Zielińska, Maciej Piasecki, Stan Szpakowicz (2015). "A Large Wordnet-based Sentiment Lexicon for Polish". *Proc. Recent Advances in Natural Language Processing, RANLP 2015*, Hissar, Bulgaria, 721-730.
- Diman Ghazi, Diana Inkpen, Stan Szpakowicz (2015). "Detecting Emotion Stimuli in Emotion-Bearing Sentences". *Proc. 16th International Conference on Intelligent Text Processing and Computational Linguistics CICLing 2015*, Cairo, Egypt, 152-165.
- Anna Kazantseva, Stan Szpakowicz (2014). "Hierarchical Topical Segmentation with Affinity Propagation". *Proc. Coling 2014*, Dublin, Ireland, 37-47.
- Anna Kazantseva, Stan Szpakowicz (2014). "Measuring Lexical Cohesion: Beyond Word Repetition". *Proc. Coling 2014*, Dublin, Ireland, 476-485.
- Marta Dobrowolska, Stan Szpakowicz (2014). "Terminology in WordNet and in plWordNet". *Proc. 7th International Global Wordnet Conference*, 299-303.
- Marek Maziarz, Maciej Piasecki, Ewa Rudnicka, Stan Szpakowicz (2014). "plWordNet as the Cornerstone of a Toolkit of Lexico-semantic Resources". *Proc. 7th International Global Wordnet Conference*, 304-312.
- Marek Maziarz, Maciej Piasecki, Ewa Rudnicka, Stan Szpakowicz (2014). "Registers in the System of Semantic Relations in plWordNet". *Proc. 7th International Global Wordnet Conference*, 330-337.
- Marek Maziarz, Maciej Piasecki, Ewa Rudnicka, Stan Szpakowicz (2013). "Beyond the transfer-and-merge wordnet construction: plWordNet and a comparison with WordNet". *Proc. RANLP 2013*, Hissar, Bulgaria, 443-452.



- Iris Hendrickx, Zori Kozareva, Preslav Nakov, Diarmuid Ó Séaghdha, Stan Szpakowicz, Tony Veale (2013). "SemEval-2013 Task 4: Free Paraphrases of Noun Compounds". *Second Joint Conference on Lexical and Computational Semantics \*SEM, Vol. 2: Seventh International Workshop on Semantic Evaluation SemEval 2013*, 138–143.
- Ewa Rudnicka, Marek Maziarz, Maciej Piasecki, Stan Szpakowicz (2012). "A strategy of Mapping Polish WordNet onto Princeton WordNet". 24th International Conf. on Computational Linguistics COLING 2012, Mumbai, India, 1039-1048.
- Alistair Kennedy, Stan Szpakowicz (2012). "Supervised Distributional Semantic Relatedness". P. Sojka et al. (eds.) *Proc 15th International Conf. on Text, Speech and Dialogue TSD 2012*, Brno, Czech Republic. *Lecture Notes in Artificial Intelligence 7499*, Springer Verlag, 207-214.
- Diman Ghazi, Diana Inkpen, Stan Szpakowicz (2012). "Prior versus Contextual Emotion of a Word in a Sentence". *Proc. 3rd ACL Workshop on Computational Approaches to Subjectivity and Sentiment Analysis*, Jeju, Korea, July 2012, 70-78.
- Alistair Kennedy, Anna Kazantseva, Diana Inkpen, Stan Szpakowicz (2012). "Getting Emotional About News Summarization". D. Inkpen, L. Kosseim (eds.) *Proc. 25th Canadian Conference on Artificial Intelligence*, May 2012, Toronto. *Lecture Notes in Artificial Intelligence 7310*, Springer Verlag, 121-132.
- Anna Kazantseva, Stan Szpakowicz (2012). "Topical Segmentation: a Study of Human Performance and a New Measure of Quality". *Proc NAACL-HLT 2012*, Montréal, June 2012, 211-220.
- Marek Maziarz, Maciej Piasecki, Stan Szpakowicz (2012a). "Approaching *plWordNet 2.0*". *Proc. 6th Global Wordnet Conference*. Matsue, Japan, 189-196.
- Marek Maziarz, Maciej Piasecki, Stan Szpakowicz (2012b). "An Implementation of a System of Verb Relations in *plWordNet 2.0*". *Proc. 6th Global Wordnet Conference*. Matsue, Japan, 181-188.
- Anna Kazantseva, Stan Szpakowicz (2011). "Linear Text Segmentation Using Affinity Propagation". *Proc EMNLP 2011*, Edinburgh, Scotland, July 2011, 284-293.
- Alistair Kennedy, Stan Szpakowicz (2011). "A Supervised Method of Feature Weighting for Measuring Semantic Relatedness". C. Butz, P. Lingras (eds.) *Proc. 24th Canadian Conference on Artificial Intelligence*, St. John's, Nfld. *Lecture Notes in Artificial Intelligence 6657*, Springer Verlag, 222–233.
- Roman Kurc, Maciej Piasecki, Stan Szpakowicz (2010a). "Automatic Acquisition of Wordnet Relations by Distributionally Supported Morphological Patterns Extracted from Polish Corpora". P. Sojka et al. (eds.), *Proc 13th International Conf. on Text, Speech and Dialogue TSD 2010*, Brno, Czech Republic. *Lecture Notes in Artificial Intelligence 6231*, Springer Verlag, 133-141.
- Alistair Kennedy, Stan Szpakowicz (2010a). "Evaluation of a Sentence Ranker for Text Summarization Based on Roget's Thesaurus". P. Sojka et al. (eds.), *Proc 13th International Conf. on Text, Speech and Dialogue TSD 2010*, Brno, Czech Republic. *Lecture Notes in Artificial Intelligence 6231*, Springer Verlag, 101-108.
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- Stan Szpakowicz, Ken Barker, Terry Copeck, Jean-François Delannoy, Stan Matwin (1996). "Validation of a Text Summarization Algorithm". TR-96-04, Department of Computer Science, University of Ottawa.
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- Stan Matwin, Doug Skuce, Stan Szpakowicz (1986). "Question-driven Approach to the Design of a Software Advisor System". TR-86-04, Department of Computer Science, University of Ottawa.
- Stan Szpakowicz (1978). "Automatic syntactic analysis of written Polish sentences" [in Polish]. Ph.D. thesis, Institute of Informatics, Warsaw University.
- Janusz S. Bień, Witold Łukaszewicz, Stan Szpakowicz (1974). "Description of the MARYSIA System. III" [in Polish]. Warsaw University Computing Centre, TR 43.
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- Janusz S. Bień, Witold Łukaszewicz, Stan Szpakowicz (1973). "Introduction to the MARYSIA System" [in Polish]. Warsaw University Computing Centre, TR 39.

## H. Other contributions

- Maciej Piasecki, Stan Szpakowicz, Christiane Fellbaum, Bolette Pedersen (2013). "Introduction to the special issue: On wordnets and relations". *Language Resources and Evaluation* **47**(3). DOI 10.1007/s10579-013-9247-y, 757-767.
- Alistair Kennedy, Stan Szpakowicz (2012). "Fast Semantic Relatedness: WordNet::Similarity vs Roget's Thesaurus", *Tiny Transactions on Computer Science* vol. 1, <http://tinytocs.org/vol1/papers/tinytocs-v1-kennedy.pdf>, 1 page.
- Stan Szpakowicz (2010). "Failure is an Orphan (Let's Adopt)", *Computational Linguistics*, **36**(1), 157-158.
- Vivi Nastase, Stan Szpakowicz (2006). "Word from the Guest Editors". *Computational Intelligence* **22**(2), 69-72.

## EDITORIAL ACTIVITIES

*Group Decision and Negotiation*: associate editor (1993-present)

*Journal of Language Modelling*: editorial board (2012-present)

*Frontiers in Digital Humanities / Digital Literary Studies*, research topic "Computational Linguistics and Literature", guest co-editor (with Drs. Feldman and Kazantseva)

*Frontiers in Digital Humanities / Digital Literary Studies*, review editor (2015-present)

*Group Decision and Negotiation*, **15**(2), special issue on information exchange in negotiations: guest co-editor (with Dr. Nastase)

*Computational Intelligence*, **22**(2), special issue on sentiment analysis: guest co-editor (with Dr. Nastase)

*Language Resources and Evaluation*, **47**(3), special issue on wordnets and relations: guest co-editor (with Drs. Fellbaum, Pedersen, Piasecki)

*Journal of Natural Language Engineering*, **19**(3), special issue on computational approaches to the semantics of noun compounds: guest co-editor (with Drs. Bond, Kim, Nakov)

*Linguistic Issues in Language Technology*, **12**, special issue on computational linguistics for literature: guest co-editor (with Drs. Elson, Feldman, Kazantseva)

## REVIEWING FOR SCIENTIFIC JOURNALS

*ACM Transactions on Speech and Language Processing*

*Artificial Intelligence*

*Cognitive Computation*

*Computational Intelligence*

*Computational Linguistics*

*Computer Speech and Language*

*Computers and Mathematics with Applications*

*Control and Cybernetics*

*Fundamenta Informaticae*

*Group Decision and Negotiation*

*IEEE Expert*

*IEEE Transactions on Affective Computing*

*IEEE Transactions on Knowledge and Data Engineering*

*INFOR*

*International Journal of Applied Mathematics and Computer Science*

*International Journal of Man-Machine Studies*

*Journal of Artificial Intelligence Research*

*Journal of Cognitive Science*

*Journal of Information Science*

*Journal of Intelligent Information Systems*

*Journal of Language Modelling*

*Journal of Natural Language Engineering*

*Journal of the American Society for Information Science and Technology*

*Language Resources and Evaluation*

*Machine Learning*

*Management Science*

*Software - Practice and Experience*

*Transactions on Affective Computing*

*Web Intelligence and Agent Systems*

## EVENTS ORGANIZED

- *Joint SIGHUM Workshop on Computational Linguistics for Cultural Heritage, Social Sciences, Humanities and Literature, Workshop at ACL 2017, August 2017, co-organizer*
- *Computational Linguistics for Literature, Workshop at NAACL-HLT 2016, June 2016, co-organizer*

- *Computational Linguistics for Literature, Workshop at NAACL-HLT 2015, June 2015, co-organizer*
- *Computational Linguistics for Literature, Workshop at ACL 2014, April 2014, co-organizer*
- *Computational Linguistics for Literature, Workshop at NAACL-HLT 2013, June 2013, co-organizer*
- *Computational Linguistics for Literature, Workshop at NAACL-HLT 2012, June 2012, co-organizer*
- *Workshop on Relational Models of Semantics RELMS-11 at the 49<sup>th</sup> Annual Meeting of the Association for Computational Linguistics: Human Language Technologies, Portland, Oregon, USA, June 2011, co-organizer*
- *Workshop on text summarization TS11 at Canadian Conference on Artificial Intelligence, Saint John's, May 2011, co-organizer*
- *Workshop on the Analysis of Information Exchange during Negotiations FINEXIN 2005, co-chair*
- *ACL-04 Workshop on Text Summarization, 2004, co-chair*

#### **PROGRAM COMMITTEES (selected)**

- *Canadian AI, 2002-2012, 2014-2017*
- *BSNLP 2013, 2015-2017*
- *IJCAI 2009, 2016-2017*
- *CICLing 2014-2017*
- *Advances in Artificial Intelligence and Applications, 2007-2017*
- *RANLP 2013, 2015, 2017*
- *\*SEM 2012, 2013, 2015-2017*
- *ACL 2007, 2009-2014, 2016-2017*
- *EACL 2012, 2014, 2017*
- *NAACL-HLT 2006, 2009-2010, 2012-2013, 2016*
- *Workshop on Sentiment Analysis where AI meets Psychology 2013, 2016*
- *Pattern Recognition and Machine Intelligence 2015*
- *EMNLP 2005, 2007-2011, 2015*
- *ACL-IJCNLP 2009, 2015*
- *ACL Workshop on Multiword Expressions 2009-2011, 2013-2014*
- *Intelligent Information Systems, 2006, 2008-2013*
- *COLING 2012*
- *Computational Linguistics – Applications, 2008-2011*
- *ACL Workshop on Semantic Evaluations 2009-2010*
- *Workshop on Multi-source, Multilingual Information Extraction and Summarization, 2007, 2008*
- *IASTED Conference on Modelling and Simulation, 1994-2008*
- *Workshop on Crossing Barriers in Text Summarization Research, 2005*
- *Computational Linguistics in the North-East, 2004*
- *NAACL Workshop on Automatic Summarization, 2003*
- *IASTED Conference on Applied Simulation and Modelling, 2000*
- *SAICSIT'99*
- *AAIAA Special Track at FLAIRS'96*