UNIVERSITY OF OTTAWA, FACULTY OF ENGINEERING

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, 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

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

* habilitation
## EXTERNALLY AWARDED MAJOR RESEARCH GRANTS AND CONTRACTS

<table>
<thead>
<tr>
<th>YEARS</th>
<th>AGENCY</th>
<th>TITLE OF PROJECT</th>
<th>TYPE</th>
<th>AMOUNT PER YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012-2018</td>
<td>NSERC</td>
<td>Making Sense of Semantic Relations</td>
<td>RI</td>
<td>14,000</td>
</tr>
<tr>
<td>2009-2012</td>
<td>MNI¹</td>
<td>Semi-automatic construction of lexical resources by recognizing semantic relations from morpho-syntactic and semantic data in corpora (with M. Piasecki, B. Broda, M. Gląbska, J. Rabiega-Wiśniewska + four others)</td>
<td>RG</td>
<td>PLN 136,650</td>
</tr>
<tr>
<td>2007-2012</td>
<td>NSERC</td>
<td>Discovering Subjectivity in Language</td>
<td>RI</td>
<td>23,000</td>
</tr>
<tr>
<td>2005-2008</td>
<td>MNI</td>
<td>Automatic methods of constructing a semantic network of Polish lexemes for natural language processing (with M. Piasecki, M. Derwojedowa, A. Przepiórkowski, M. Zawisławska)</td>
<td>RG</td>
<td>PLN 122,300</td>
</tr>
<tr>
<td>2003-2006</td>
<td>SSHRC-RDI</td>
<td>Elaboration d'une base de données informatisée sur le lexique du français contemporain pour la recherche (with A. Desrochers)</td>
<td>RG</td>
<td>11,666</td>
</tr>
<tr>
<td>2002-2007</td>
<td>NSERC</td>
<td>Tools and techniques for shallow semantic analysis of English documents</td>
<td>RI</td>
<td>23,000</td>
</tr>
<tr>
<td>2000-2002</td>
<td>CITO</td>
<td>Content Extraction from On-line Documents (with S. Matwin, K. Barker, C. Barrière, R. Holte)</td>
<td>CG</td>
<td>average 67,000</td>
</tr>
</tbody>
</table>

¹ Ministerstwo Nauki i Informatyzacji (Department of Science and Informatization), Poland
² 352,000 in 2003-2006
<table>
<thead>
<tr>
<th>YEARS</th>
<th>AGENCY</th>
<th>TITLE OF PROJECT</th>
<th>TYPE</th>
<th>AMOUNT PER YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1998-2002</td>
<td>NSERC</td>
<td>Text analysis for knowledge acquisition</td>
<td>RI</td>
<td>19,635³</td>
</tr>
<tr>
<td>1994-1998</td>
<td>NSERC</td>
<td>Text analysis for knowledge acquisition</td>
<td>RI</td>
<td>16,000</td>
</tr>
<tr>
<td>1994-1997</td>
<td>Max Bell Foundation (with S. Z. Rubin, G. E. Kersten, J. Turnbull)</td>
<td>C</td>
<td>≈40,000</td>
<td></td>
</tr>
<tr>
<td>1991-1995</td>
<td>NSERC (strategic)</td>
<td>Automation and Support of Decisions with Strategic Interactions (with T. Bui, G. Kersten, W. Michalowski, K. Sycara)</td>
<td>RG</td>
<td>≈95,000</td>
</tr>
<tr>
<td>1991-1994</td>
<td>NSERC (strategic)</td>
<td>Machine Learning and Text Analysis for Semi-automatic Knowledge Acquisition (with S. Matwin)</td>
<td>RG</td>
<td>73,075</td>
</tr>
<tr>
<td>1991-1994</td>
<td>NSERC</td>
<td>Knowledge acquisition from text</td>
<td>RI</td>
<td>15,500</td>
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<tr>
<td>1989-1991</td>
<td>Cognos-OTF</td>
<td>Adaptive modeller support (with S. Matwin and F. Oppacher)</td>
<td>CG</td>
<td>99,000</td>
</tr>
<tr>
<td>1988-1991</td>
<td>NSERC</td>
<td>New approaches to knowledge acquisition (with S. Matwin and F. Oppacher)</td>
<td>RG</td>
<td>42,000</td>
</tr>
<tr>
<td>1988-1991</td>
<td>URIF</td>
<td>New approaches to knowledge acquisition (with S. Matwin and F. Oppacher)</td>
<td>RG</td>
<td>15,000</td>
</tr>
<tr>
<td>1988-1991</td>
<td>Cognos</td>
<td>New approaches to knowledge acquisition (with S. Matwin and F. Oppacher)</td>
<td>CG</td>
<td>27,000</td>
</tr>
<tr>
<td>1988-1991</td>
<td>NSERC</td>
<td>Incremental knowledge acquisition from technical texts</td>
<td>RI</td>
<td>15,477</td>
</tr>
<tr>
<td>1987-1988</td>
<td>NSERC</td>
<td>Automating knowledge acquisition from English texts</td>
<td>RI</td>
<td>10,000</td>
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<tr>
<td>1986-1987</td>
<td>NSERC</td>
<td>Automating knowledge acquisition from English texts</td>
<td>RI</td>
<td>10,000</td>
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</table>

³ 18,700 in 1998-1999
TEACHING EXPERIENCE

Artificial intelligence
Computer organization
Data structures
Natural language processing

Compiler development
Data bases
Logic programming
Programming languages

SUPERVISION OF GRADUATE STUDENTS

<table>
<thead>
<tr>
<th></th>
<th>SUCCESSFULLY COMPLETED</th>
<th>IN PROGRESS</th>
<th>INACTIVE/ABORTED</th>
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<tbody>
<tr>
<td>(A) DOCTORAL THESES</td>
<td>8</td>
<td>2</td>
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<tr>
<td>(B) MASTER'S THESES</td>
<td>18</td>
<td>-</td>
<td>-</td>
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<tr>
<td>(C) POSTDOCTORAL FELLOWS</td>
<td>8</td>
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</table>

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)


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)


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


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


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


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)


Sylvain Delisle (PhD), "Text Processing without a priori Domain Knowledge: Semi-Automatic Linguistic Analysis for Incremental Knowledge Acquisition", 1990-1994


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 144
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


* The lifetime h-index value of my publications, according to Google Scholar Citations, is 32. The i10-index value is 83.

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].


B. Papers in refereed conference proceedings


C. Books


D1. Refereed book chapters


D2. Other book chapters


E. Articles


F. Conference presentations


G. Reports


H. Other contributions


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

REVIEWING FOR SCIENTIFIC JOURNALS

ACM Transactions on Speech and Language Processing
Artificial Intelligence
Cognitive Computation
Cognitive Studies | Études cognitives
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
EVENTS ORGANIZED

- Joint SIGHUM Workshop on Computational Linguistics for Cultural Heritage, Social Sciences, Humanities and Literature, Workshop at Coling 2018, August 2018, co-organizer
- 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 49th 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, 2014-2018
- BSNLP 2013, 2015-2017
- IJCAI 2009, 2016-2017
- CICLing 2014-2017
- Advances in Artificial Intelligence and Applications, 2007-2017
- RANLP 2013, 2015, 2017
- ACL 2007, 2009-2014, 2016-2018
- NAACL-HLT 2006, 2009-2010, 2012-2013, 2016, 2018
- Workshop on Sentiment Analysis where AI meets Psychology 2013, 2016
- Pattern Recognition and Machine Intelligence 2015
- ACL-IJCNLP 2009, 2015
- Intelligent Information Systems, 2006, 2008-2013
- COLING 2012
- Computational Linguistics – Applications, 2008-2011
- ACL Workshop on Semantic Evaluations 2009-2010
• 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