

CURRICULUM VITAE

MATWIN, Stan

Career Highlights:

Stan Matwin is a Distinguished University Professor of Computer Science at the School of Electrical Engineering and Computer Science, University of Ottawa, where he directs the Text Analysis and Machine Learning (TAMALE) lab. His research is in machine learning, data mining, text mining, and their applications. Author and co-author of 250 research papers, Stan has worked at universities in Canada, the U.S, Europe, and Latin America. Former president of the Canadian Artificial Intelligence Society (CSCSI) and of the IFIP Working Group 12.2 (Machine Learning). Founding Director of the Graduate Certificate in Electronic Commerce at University of Ottawa, former Chair of the NSERC Grant Selection Committee for Computer Science, and member of the Board of Management of the Centre of Excellence for Communications and Information Technology. Fellow of the European Coordinating Committee for Artificial Intelligence. Fellow and recipient of the Distinguished Service Award of the Canadian Artificial Intelligence Society. Recipient of the CITO Champion of Innovation Award. Program Committee Chair and Area Chair for a number of international conferences in AI and Machine Learning. Served as a member of the Editorial Boards of the leading journals in his field. One of the founders of Distil Interactive Inc. and Devera Logic Inc., Stan Matwin has significant experience and interest in innovation and technology transfer.

Full Professor, tenured

Member of the Faculty of Graduate and Postdoctoral Studies, University of Ottawa

Foreign Professor, Institute of Computer Science, Polish Academy of Sciences, Warsaw, Poland

DEGREES: designation, institution, department, year

D.Sc. (Habilitation), Polish Academy of Sciences, Institute of Computer Science, 2010

Ph.D., Warsaw University, Department of Computer Science, 1977.

M.Sc., Warsaw University, Department of Computer Science, 1972.

EMPLOYMENT HISTORY: dates, rank/position, department, institution/firm

August 1992-	Tenured Full Professor, University of Ottawa
June 2011	Visiting Professor, Erasmus Mundus Masters in Data Mining and Knowledge Management, Universita Politecnica de Catalunya
Mar. – Apr. 2010	Visiting Professor, Università degli Studi di Bari, Dipartimento di Informatica
Sep. 2008 – Aug. 2009	Visiting Professor, L'Institut d'Investigació en Intelligència Artificial (IIIA) Consejo Superior de Investigaciones Científicas (CSIC), Barcelona, Catalunya, Spain
2006 -	Adjunct Research professor, Institute of Cognitive Science, Carleton University
November 2004 –	Foreign Professor, Institute in Computer Science, Polish Academy of Sciences
Aug. 2001-Mar. 2002	Visiting professor, Université de Paris XI, Laboratoire de recherché en informatique (LRI)

April 2002-May 2002	Visiting professor, Université de Paris VI, Laboratoire d'informatique de Paris 6 (LIP6)
July 2000-July 2001	Director, Graduate Certificate in Electronic Commerce, University of Ottawa
July 1998-June 2000 May 97-	Director, Ottawa-Carleton Institute for Computer Science Director, Graduate Studies in Computer Science, School of Information Technology and Engineering
July 1996-	Adjunct Research Professor, Institute for Interdisciplinary Studies: Cognitive Science, Carleton University
July 1996-May 1997	Associate Chair (Graduate Studies), Department of Computer Science, University of Ottawa
February-April 1995	UNESCO Distinguished Lecturer in Science and Sustainable Development, Universidad de Sao Paulo, ICMSC, Brazil
October-November 91	Visiting scientist, AI Branch, NASA Ames Research Center, Mountain View, California.
May 91-	Professor, Department of Computer Science, University of Ottawa, Director of the Ottawa Machine Learning Group.
January 88-June 88	Visiting Professor, Department of Computer Science, George Mason University, Fairfax, Virginia; member of Machine Learning and Inference Group.
May 1984-May 1991	Associate Professor, Department of Computer Science, University of Ottawa.
Sept. 1981-	Assistant Professor, Department of Computer Science, University of Ottawa.
Jan. 1982-May 83	Part time lecturer, Certificat d'Informatique, Université du Québec à Hull.
Sept. 1980-Sept. 1981	Assistant Professor, School of Computer Science, Acadia University, Nova Scotia.
May 1980-Sept. 1980	Lecturer, Department of Computer Science, York University, Toronto.
July 1979-Aug. 80	Assistant Professor, Department of Computer Science, University of Guelph, Ontario.
Sept. 1975-July 1979	Assistant Professor, Department of Computer Science, Warsaw University, Warsaw, Poland.

SCHOLARLY AND PROFESSIONAL ACTIVITIES

Editorial Boards:

2012 -	Member, Editorial Board, Journal of Intelligent Information Systems (Springer)
2010 -	Member, Editorial Board, International Journal of Social Network Mining (IJSNM)
2005- 2006	Member, Editorial Board, Journal of Artificial Intelligence Research (THE premier Artificial Intelligence journal)
2003-	Member, Editorial Board, Computational Intelligence Journal
2002-2007	Member, Editorial Board, Machine Learning Journal
2003-	Member, Editorial Board, Intelligent Data Analysis Journal
1990-1994	Member and Chair, Editorial Board, IEEE Expert

Awards:

- 2012 Distinguished University professor / Professeur éminent de l'université, University of Ottawa
- 2011 CASCON Ten Years Most Influential Paper Award
- 2011 Fellow, European Coordinating Committee for Artificial Intelligence
- 2011 Fellow, Canadian Artificial Intelligence Society
- 2011 George S. Glinski Award for Excellence in Research, University of Ottawa, Faculty of Engineering
- 2010 Distinguished Service Award of the Canadian Artificial Intelligence Society
- 2003 Champion of Innovation, Communications and Information Technology Ontario
- 1995 UNESCO Distinguished Lecturer in Science and Engineering, University of Sao Paulo, Brazil

Grant selection Panels, Boards of Directors:

- 2010 Member, Scientific Steering Committee, Polish Association for Artificial Intelligence (PSSI)
- 2010 Member, Evaluation Group 1507 (Computer Science), Natural Sciences and Engineering Research Council
- 2007-2009 Reviewer, Future Information Technologies Program/FET7, Information Society Technologies, European Commission.
- 2004-2005 Chair, Grant Selection Committee for Computer Science B, Natural Sciences and Engineering Research Council
- 2003 - Member, College of Reviewers, NSERC Special Research Opportunities program
- 2003 Member, National Science Foundation Panel on Creating New capabilities in Learning from Data (ITR)
- 2003-2004 Chair, Research Tools and Instruments Committee (Computer Science), Natural Sciences and Engineering Research Council
- 2002- Director, Information Technology Cluster, Ontario Research Network on Electronic Commerce
- 2002-2005 Member, Grant Selection Committee 331 (Computer Science), Natural Sciences and Engineering Research Council
- 2002- Member, Board of Directors, Communications and Information Technology Ontario (Division of the Ontario Centers of Excellence)
- 2001- Member, College of Reviewers, Canada Research Chairs Program
- 1997 Member, NSERC Selection Committee for the Ph.D. Dissertation Prize in Sciences and Engineering
- 1990-94 Member and Chair, Editorial Board, IEEE EXPERT

Program Committees (since 1998):

- 2012 Member, Program Committee, Conference d'Extraction et Gestion des Connaissances 2012, Bordeaux, France, 2012.
- 2011 Member, Program Committee, International Conference on Man-Machine Interactions 2011, The Beskids, Poland, October 2011
- 2011 Area Chair, ECML/PKDD 2011, Athens, Greece, September 2011
- 2011 Member, Program Committee, 20th ACM Conference of Information and Knowledge Management (CIKM 2011), Glasgow, August 2011
- 2011 Member, Program Committee, 23rd Int'l Conference on Inductive Logic Programming, UK, August 2011

- 2011 Member, Program Committee, American Association for Artificial Intelligence, San Francisco, August 2011
- 2011 Member, Program Committee, International Conference on Machine Learning, Bellvue, WA. July 2011
- 2011 Member, Program Committee, Conférence d'apprentissage (Cap 2011), Chambéry, France, May 2011
- 2010 Member, Program Committee, International Conference on Data Mining, Sydney, Australia, December 2010
- 2010 Member, Program Committee, Discovery Science 2010, Canberra, Australia, 2010
- 2010 Member, Program Committee, Conférence d'apprentissage (Cap 2010), Clermont-Ferrand, France, May, 2010
- 2010 Member, Program Committee, ECML/PKDD 2010, Barcelona, Spain, Sep. 2010
- 2010 Member, Program Committee, International Conference on Rough Sets and Current Trends in Computing (RSCTC 2010, Warsaw, Poland, June 2010
- 2010 Member, Program Committee, Inductive Logic Programming 2010, Florence, Italy, June 2010
- 2010 Member, Program Committee, European Conference on AI, Lisbon, Portugal, August 2010
- 2010 Member, Program Committee, Brazilian Symposium on Artificial Intelligence SBIA 2010, São Bernardo do Campo – Brazil, Oct. 2010
- 2009 Member, Program Committee, CAEPIA 2009 (Spanish Artificial Intelligence Society Conference), Seville, November 2009
- 2009 Member, Program Committee, Inductive Logic Programming, Paris, July 2009
- 2009 Area Chair, ECML/PKDD 2009, Bled, Slovenia, Sep. 2009
- 2009 Member, Program Committee, Computer Linguistic Applications, Mragowo, Poland, October, 2009
- 2009 Member, Program Committee, SIGKDD 2009, Paris, July 2009.
- 2008 Member, Program Committee, SBIA 2008, 19th Brazilian Symposium on Artificial Intelligence, Salvador, October 2008
- 2008 Member, Program Committee, 18th International conference on Inductive Logic Programming, Prague, September 2008
- 2008 Member, Program Committee, European Conference on Machine Learning and European Conference on Principles and practice of Knowledge Discovery in Databases, Antwerp, September 2008
- 2008 Member, Program Committee, Feature Selection in Data Mining and Knowledge Discovery (FSDM08), Antwerp, September 2008
- 2008 Member, Program Committee KDD 2008, 14th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, Las Vegas, August 2008
- 2008 Member, Program Committee, 2nd ACM SIGKDD International Workshop on Privacy, Security, and Trust in KDD, Las Vegas, August 2008
- 2007 Co-Chair, Program Committee, European Conference on Machine Learning and Principles of Discovery in Databases, Warsaw, Poland, 2007
- 2006 Area Chair, European Conference on Machine Learning/Principles of Knowledge Discovery in Databases, Berlin, 2006
- 2006 Program Committee, International Conference on Machine Learning, Pittsburgh, PA, 2006
- 2006 Program Committee, International Conference on Data Mining, Hong Kong, 2006
- 2006 Program Committee, International Workshop on Privacy Aspects of Data Mining, Hong Kong, 2006
- 2006 Program Committee, European Conference on AI, Trentino, Italy, 2006

2006 Program Committee, ACM Conference on Information and Knowledge Management,
2005 Member, Program Committee, American Association for Artificial Intelligence,
Pittsburgh, PA, 2005

2005 Member, Program Committee, Artificial Intelligence 2005, Annual Conference of the
Canadian Society for the Computational Studies of Intelligence, Victoria 2005

2005 Member, Program Committee, 22nd International Conference on Machine Learning,
Bonn, Germany

2005 Member, Program Committee, International Conference on Inductive Logic
Programming, Bonn

2005 Member, Program Committee, International Workshop on Feature Selection for Data
Mining, Newport Beach, CA.

2005 Member, Program Committee, International Symposium on Methodologies for
Intelligence Systems, Saratoga Springs, NY.

2005 Member, Advisory Board, Tenth International Conference on Rough Sets, Fuzzy Sets,
Data Mining, and Granular Computing (RSFDGrC 2005).

2004 Co-Chair, Predictive Software Models Workshop, Software Technology and
Engineering Practice, Chicago 2004

2005 Member, Program Committee, AAAI 2005

2004 Workshop Chair, International Conference on Data Mining, Bristol, UK

2004 Member, Program Committee, 21st International Conference on Machine Learning,
Banff, Canada

2004 Member, Program Committee, European Conference on Machine Learning, Pisa, Italy

2004 Member, Program Committee, Principles of Knowledge Discovery in Databases, Pisa,
Italy

2004 Member, Program Committee, Artificial Intelligence 2004, Annual Conference of the
Canadian Society for the Computational Studies of Intelligence, London 2004

2003 Editor, Special Issue of Machine Learning journal on Inductive Logic Programming

2003/04 Member of the Board of Directors, Communications and Information Technology
Ontario

2003 Membre, Comité de programme, Conférence d'apprentissage, plateforme Association
française d'intelligence artificielle, Laval

2004 Area Chair, 20th International Conference on Machine Learning, Washington, D.C.

2003 Member, Program Committee, European Conference on Machine Learning,
Dubrovnik, Croatia

2003 Member, Program Committee, Principles of Knowledge Discovery in Databases,
Dubrovnik, Croatia,

2004 Member, Program Committee, International Symposium on Methodologies for
Intelligence Systems, Maebashi City, Japan

2003 Member, Program Committee, International Conference on Inductive Logic
Programming, Szeged, Hungary

2002. Program Committee co-Chair, Inductive Logic Programming Workshop, Sydney, 2002

2002. Member, Program Committee, IEEE Conference on Knowledge Discovery in
Databases

2002. Member, Program Committee, International Conference on Principles of Knowledge
Discovery in Databases, Helsinki

2002. Member, Program Committee, International Symposium on the Methodologies for
Intelligent Systems, Lyon, France

2002 Member, Program Committee, European Conference on Machine Learning, Helsinki

2001 Area Chair, International Conference on Machine Learning 2001

2001 Member, Program Committee, Inductive Logic Programming Conference 2001

- 2001 Member, Program Committee, European Conference on Machine Learning, Freiburg, 2001
- 2001 Member, Program Committee, Principles of Knowledge Discovery in Databases, Freiburg, 2001
- 2001 Membre, Comité du programme, Conférence d'apprentissage, Grenoble 2001.
- 2001 Program Committee co-Chair, AI-2001, Ottawa
- 2000 Member, Program Committee, European Conference on Machine Learning 2000, Barcelona, Spain
- 2000 Member, Program Committee, AI2000, Montreal, Canada
- 2000 Member, Program Committee, Inductive Logic Programming Conference, London, UK.
- 1999 Member, Program Committee, PACLING 98, Waterloo, Canada
- 1999 Member, Program Committee, International Conference on Machine Learning, Bled, Slovenia
- 1999 Member, Program Committee, Inductive Logic Programming Workshop, Bled, Slovenia
- 1998 Member, Program Committee, European Conference on Machine Learning, Chemnitz, Germany

Referee for:

IEEE PAMI, IEEE SMC, Machine Learning, IEEE TKDE, IEEE Expert, IJCAI, AAAI, ECML, NSERC, NSF, FCAR

Member of the Senate, University of Ottawa, 1999-2000

Member of Promotion and Tenure Committees, departmental and faculty level, 1993-1996, 1997-2001, 2002-2005

GRADUATE SUPERVISIONS: career number - M/D; completed/in progress

Career Number:

Completed:	25 M.Sc.,	16 Ph.D.	7 Post-Doc
In progress:	2 M.Sc.,	8 Ph.D	

GRADUATE STUDENTS - Completed their degrees (includes Post-doctoral fellows)

1. William Klement, Ph.D., 2004-2010, Evaluating Machine Learning Methods: scored Receiver Operating Characteristics (sROC) Curves, co-supervised with N. Japkowicz
2. M. Zhilin, PhD., 2004-2010, Annotation Concept Synthesis and Enrichment Analysis: A Logic-based Approach to the Interpretation of High-throughput Biological Experiments, co-supervised with M. Turcotte
3. Marcelo Keese Albertini, “sandwich” PhD student from USP, Brazil, 2010, Mining high-dimensional Temporal Data
4. Francesc Massanes, Feb. – Aug. 2009, M.Sc. student at Universita Polytecnica de Catalunya, co-supervised with Dr. Josep Llorca Pey
5. Luc Beaudoin, MSS, 2005-2009, Autonomous Computer Network Defence Using Reinforcement Learning, graduated Feb. 2009
6. Huang, Jin, Post Doc, 2007-2009, Machine Learning with Insufficient Training Sets

7. Su, Jiang, Post Doc (NSERC PDF), 2007-2009, Active Learning, Instance Selection, Bayesian Learning, semi-supervised learning
8. Kouznetsov, A., Post Doc, Machine Learning from Text Data, medical applications, text mining (2007-2009)
9. Sayyad Shirabad, Jelber, Post-doc, 2004-2004, Semi-supervised learning, Active Learning, Instance selection, Data mining in software engineering.
10. Caropreso, Fernanda, Ph.D., Extending the Bag of Words Representation for Text Classification, 2002-2008, graduated May 2008
11. Nadeau, David, Ph.D., Semi-Supervised Named Entity Recognition: Learning to Recognize 100 Entity Types with Little Supervision, 2004-2007, graduated November 2007 (co-supervised with P. Turney)
12. Ma, Yimin, MCS, Active Learning in Information Extraction, 2004 – 2007, graduated Oct. 2007.
13. Zhan, Justin, Ph.D., Privacy-preserving Collaborative Data Mining, 2003-2006, graduated in Aug, 2006
14. Mucsi-Nagy, Agnes, MCS, Digital Fingerprinting for sharing of Confidential Data, 2003-2006, graduated in Aug. 2006.
15. Dufay, Guillaume, Post Doc. Formal Methods in Application-Centric Privacy, 2004-2005
16. Hernadvolgyi, Istvan, Post Doc, Theorem Proving for Data Privacy Applications, 2004-2005
17. Ziyang Liu, MSS, Data Mining to Identify Gene Regulatory Networks in Time Series Gene Expression Data, 2002-2006, graduated in Feb. 2007.
18. Kiritchenko, Svetlana, Ph.D., Text Classification with Hierarchical Categories, 2001-2006
19. Armour, Quintin, M.C.S. Named Entity in Text classification (co-supervision with dr. Japkowicz), 2003-2005
20. Rong Tang, MCS, Transaction Models in Peer-to-Peer Databases, (co-supervised with Dr. Kiringa), 2003-2005
21. Souza, Jeffreson, Ph. D., A Hybrid Feature Selection Algorithm, first registration 2000, graduated in 2004
22. Alphonse, Erick, Ph.D., Literal Selection in ILP, 2000-2003
23. Zaluski, M., MCS, Case-based Knowledge Acquisition from Text, first registration 1999, graduated in 2004
24. Widlak, Magda, Effect of Word Sense Disambiguation on the Performance of Text Classification, M.Sc, first registration 1999, graduated in 2003
25. Drummond, Chris, **Post Doc.**, Learning with the use of Background Knowledge, 1999 - 2002
26. Letourneau, Sylvain Ph. D., An Interactive Method for The Analysis and Removal of Attribute Dependencies in Data Mining, first registration 1998, graduated in 2003
27. Sayyad Shirabad, Jelber, Ph.D., Data Mining in Support of Software Maintenance Activities, first registration 1997, graduated in 2003
28. Morin, Johanne, Ph.D., Learning Relational Clichés, first registration 1993, graduated 1999.
29. Ouerd, Messaouda, Ph.D., Learning in belief networks and its application to distributed databases. First registration 1993, graduated 2000, joint supervision with Dr. J. Oommen, Carleton University.
30. Fontaine, Martin, M.C.S., Text Classification with Illegible Documents, , May 2000.
31. Rios, Riverson, Ph.D., Learning Recursive Definitions in Prolog, first registration 1994, graduated 1998

32. Charlebois, Daniel, Ph.D., A Planning System Based on Plan Reuse and its Application to GIS and Remote Sensing, first registration 1990, graduated 1997
33. Guiming Chen, M.C.S., Fuzzy FOIL: A Fuzzy Logic Based Inductive Logic Programming System, first registration 1993, graduated 1996
34. Lapointe, Stéphane, M.C.S., Induction of Recursive Logic Programs, first registration 1990, graduated 1992
35. Massey, Louis, M.C.S., A Lazy Text-based Approach to Foundational Knowledge Acquisition, first registration 1993, graduated 1995
36. Ould-brahim, Hamid, M.C.S., SAFIR: Analogy-based System for Database Definition and Query Reuse, first registration 1990, graduated 1993
37. Rouget, Thierry, M.C.S., Learning Explainable Concepts in Presence of a Qualitative Model, first registration 1993, graduated 1995
38. Sun, Tei-Wei, M.C.S., DEPARS: Design Pattern Recognition System, first registration 1993, graduated 1997
39. Scott, Sam, M.C.S., Feature Engineering for a Symbolic Approach to Text Classification, first registration 1995, graduated 1998
40. Pelletier, Bertrand, Ph.D., Unsupervised Learning of Planning Knowledge, first registration 1989, graduated 1994, Carleton University, co-supervised with B. Pagurek
41. Affa, Ahmad, M.C.S., Case-based Approach to Software Reuse, first registration 1990, graduated 1995, Carleton University
42. Salembier-Pelletier, Maude, M.C.S., Learning of Disjunctive Concepts with EBL, 1990.
43. Plante, Boris, MCS, Révision d'une Théorie du Domaine par des Cas Marginaux, 1990.
44. Genest, Jean, MCS, Building Software Specifications Using EBL with Incomplete Theories, 1990.
45. Morin, Johanne, M.C.S., Apprentissage Incrémental de Contraintes Procédurales par une Méthode Mixte, 1990.
46. Quéant, Claude, M.C.S., A QUIZ Apprentice, 1986.
47. Charlebois, Daniel, M.C.S., Scriptes Comme un Mécanisme de Base d'un Système Expert, 1989.
48. Forsythe, Ken, M.C.S., Intelligent Backtracking in Automatic Theorem Proving, 1983.

STUDENTS CURRENTLY SUPERVISED:

1. Benjamin Wang, PhD., topic TBD, started September 2010, co-supervised with N. Japkowicz
2. Erico Neves de Souza, PhD., topic TBD, started Jan. 2010
3. Reza Amini, Ph.D., Analysis of Dream Descriptions Using Text Mining Techniques, co-supervised with Dr. J. De Koninck, School of Psychology, Univ. of Ottawa
4. Jennifer Lee, M.Cs, Privacy in Textual Data, started Sep. 2009
5. Farid Seifi, Semi-supervised Learning, co-supervised with N. Japkowicz and C. Drummond, Exploiting Additional Data relationships in ML, started May 2009
6. Houman Abassian, co-supervised with N. Japkowicz and C. Drummond, Bias and Variance in Machine Learning, started May 2009
7. Leanne Seaward, PhD, started January 2008, Use of Kolmogorov-Smirnov Measure in Machine Learning, currently past-proposal stage
8. Yari Saeed Khanloo, M.C.S., started September 2008, co-supervised with N. Japkowicz.
9. Morvarid Sehatkar, Ph.D., started in 2006, completing her thesis (proposal defended),
10. Amir Razavi, Ph.D., started in 2006, thesis deposited.

GRADUATE / UNDERGRADUATE COURSES: by year

2011	CSI 2911 Professional Practicum in Computer Science (50 students)
2010	CSI 5387 Data Mining and Machine Learning (24 students)
2009	CSI 5387 Data Mining and Machine Learning (30 students)
2008	CSI 5387 Data Mining and Machine Learning (25 students)
2007	CSI 7163B Advanced topics in computer systems: Machine Learning and Data Mining Systems, (enrolment 22 students)
2006	CSI 7162B Topics in Concept Learning and Text Mining
2004-2005	CSI7162 Topics in Computer Science
2000-2003	CSI 5389 Electronic Commerce Technologies (30 students)
1988-2005	CSI5387 Concept Learning and Data Mining (25 students)
1999	CSI 7163 Internet Commerce Technologies
1997-	CSI 5387 (Data Mining and Concept Learning)
1995-1996	CSI 5387 (Concept Learning)
1995	CSI 5388 (Topics in Machine Learning)
1990-1994	CSI 5387 (Concept Learning)

SEMINARS, INVITED PRESENTATIONS (2008-):

Université de Lyon 2 – December 2010
Department of Artificial Intelligence, Moscow State University, Russia, April 2010
High School of Economics, Moscow, Russia, April 2010
Universita degli Studi di Bari, Italy, March 2010 (3 presentations over two weeks)
Warsaw University, Institute of Computer Science, Warsaw, Poland, Jan. 2010
Polish Academy of Sciences, Institute in Computer Science, Warsaw, Poland, Jan. 2010
Dalhousie University, School of Computer Science, Halifax, Canada, Dec. 2009
ICIAP 2009 – 15th Int'l Conference on Image Analysis and Processing, Conference Invited Speaker, Salerno, Italy, Sep. 2009
Universitat Politècnica de Catalunya, Barcelona, Computer Architecture Department: IIIA-CSIC, Barcelona, Nov. 08
Cap 2009 – Conférence d'apprentissage, Conference Invited Speaker, Strasbourg, Jan. 2009
Barcelona Media, Feb. 2009
Universitat Pompeu Fabra, Information and Communications Technology Department, Feb. 2009
Universidad Politécnica de Madrid; Computer Science Department, Feb. 2009
Universitat Politècnica de Catalunya, Computer Systems Department, Apr. 2009
Universitat Politècnica de Catalunya, the Robotics Institute, Apr. 2009
Universitat Politècnica de Catalunya, Machine Learning Group, May 2009
Universidade de Porto, LIAA (Artificial Intelligence Research Group), May 2009
Universidade de Porto, Faculty of Medicine, May 2009
Universidade de Porto, Graduate Program in Intelligent Decision Support May 2009
LAAS, Toulouse, France, June 2009
MontLIRMM, pellier, France , June 2009
EMLR, Heidelberg, Germany, Dec. 2008
IIIA-CSIC, Barcelona, May 2008
University of Bolzano, Department of Computer Science, Bolzano, Italy, Mar. 2008

EXTERNAL RESEARCH FUNDING: by year, indicating source (granting councils, industry, government, foundations, other); amount; purpose (research, travel, publications, etc.)

- 2011-2014 NSERC – Strategic grant – “Novel Techniques for Data Privacy Protection”, - \$328,515. -3 years (with M. L. Sokolova, Faculty of Medicine)
- 2011-2012 Public Works Government Services Canada, -“Canada Border Service Agency – Student Internship, - \$25,000.
- 2011-2012 Ontario Centres of Excellence – “Intelligent Monitoring and Analysis of the Global Navigation Satellite System Signal” - \$30,000.
- 2011 MITACS – Student Internship Program, \$15,000. – 8 months
- 2011-2015 NSERC Discovery Grant “Research in Machine Learning and Data Privacy”, \$210,000 (\$42,000/yr)
- 2010-2011 Ontario Ministry of Research and Innovation – “Recommender System for Electronic Parts” - \$35,000. – 6 months
- 2010-2011 NSERC – Engage grant – “Intelligent Monitoring and Analysis of the Global Navigation Satellite System Signal” - \$24,750. – 6 months
- 2010 NSERC – Engage grant –“Recommender System for Electronic Components”, - \$22,900. – 6 months
- 2010 Bell Canada – “Automated Risk Management” - \$32,300.
- 2009-2010 Ministry of Research and Innovation – “Access Management and Control Technology” - \$35,000., with Dr. A. Felty.
- 2009-2011 NSERC - Strategic Grant - "Analysis and Generation of Text with Personality", (D. Inkpen P.I.), \$87,500. – 2 years
- 2008-2009 Precarn/OCE Partnership, “Intelligent Mobile Content Agents”, \$100,000., with Dr. Inkpen
- 2007-2008 Precarn/OCE Partnership, “Embedding Machine Intelligence in the Systematic Review System”, \$150,000.
- 2007-2009 NSERC Cooperative Research and Development Grant “Finding best evidence for evidence-based best practice recommendations in health care”, with N. Cercone (York U., P.I; total \$313,000)
- 2007 Ontario Centres of Excellence, Market Readiness Program – Devera Logic, \$38,000.
- 2006-2008 NSERC Idea to Innovation Grant “Data mining training and assessment through digital games” (with I Squared Learning) NSERC \$247,500. I Squared Learning \$105,000. (Total \$352,500.)

- 2006-2010 NSERC Research Grant “Topics in Machine Learning and Data Privacy, \$38,000./year
- 2006-2007 Ontario Centres of Excellence, “Student Internship Program” \$20,000. Industry funding from TrialStat, \$10,000.
- 2006 I Squared Learning (studentship grant) “System of Educational Tools based on Games (DGBL) \$27,000.
- 2006 Ontario Centres of Excellence, “Research Centre in Data Mining at the University of Ottawa”, \$35,000.
- 2005-2006 NSERC funding “Intellectual Property Mobilization Program 2005 Competition”, \$7,500. and CIHR \$2,500.
- 2005-2006 Ontario Centres of Excellence (formerly CITO) i² L –“Data Mining Technologies for Digital-based Games Learning”, \$48,000.
- 2005 Ontario Centres of Excellence, “Enterprise Solutions for Verifications of Policy Compliance, Market Readiness program, \$25,500.
- 2005 NSERC Tools and Instruments Grant ““Computational infrastructure for integrative data analysis in bioinformatics”, \$68,000, with X. Xia (P.I.) and V. Trudeau
- 2004 NSERC Idea to Innovation Grant “Application-centered Checkable Enablement of Privacy and Trust: ACCEPT”, \$125,000, with Dr. Amy Felty
- 2004 Communications and Information Technology Ontario, “Privacy-oriented Data Mining”, Tech readiness program, \$25,000
- 2003-2005 CITO Champion of Innovation, “Software Tools for Privacy in Data Mining”, \$200,000
- 2003-2005 CITO RPP Round 6.2 Research Grant Automatic Enforcement of Health Care Privacy Policies in Email (with N, Japkowicz, M.Geist), \$150,000
- ORNEC (Ontario Research Network fin Electronic Commerce), ORDCF, \$13,364,567 (one of two principal co-applicants)
- 2003-2006 SSHRC-INE Élaboration d'un didacticiel intelligent pour le développement de compétences en lecture chez les apprenants en langue seconde (with L. Duquette, C. Barrière, A. Desrochers, S. Szpakowicz; collaboration with M. Laurier, P. Balcom, G. Chevalier, J. Binon, T. Selva, S.Verlinde), \$86,667
- 2001-2005 NSERC Research Grant, Machine Learning in the Presence of Domain Knowledge, \$35,000/yr

- 2000-002 CITO RPP Round 6.1, Content Extraction from On-line Documents, \$120,000 with Amika Now
- 1998-2001 NSERC Strategic Grant, Data Analysis: Integrated Methodologies for Knowledge Discovery and Machine Learning, \$147,500/yr, with N. Cercone (P.I., Waterloo), W. Ziarko, H. Hamilton (Regina), R. C. Holte (Ottawa).
- 1998-2000 CITO RPP Round 1, Case-based Planning and Learning for Reuse, with J. Glasgow, R.C. Holte, \$85,000
- 1997 Bell Canada Research Contract, \$38,000, Use of Machine Learning Techniques to Acquire Software Quality Information
- 1996 NSERC Research Grant, \$29,500, Inductive Learning in the Presence of Background Knowledge
- 1996-1999 Text Summarization, NSERC/NRC, R.C. Holte (P.I), \$170,000/yr
- 1995-1997 Software Reuse, ITRC/CITO (J. Glasgow, P.I.) \$80,000/yr
- 1995-1997 Canadian Environmental Hazards Detection System, PRECARN, \$100,000
- 1993-1995 NSERC Research Grant, \$17,000, Selected Problems in multi-strategy learning Inductive Logic Programming.
- 1991-1994 NSERC Strategic Grant, \$73,000, Machine Learning and text Analysis for Semi-automated Knowledge Acquisition, (Principal Investigator).
- 1993 Planning and Learning for Query Reuse (\$73,000), Pacific Forestry Canada
- 1993 Machine Learning in Support of Software Maintenance, Canadian Space Agency, (\$25,000)
- 1992 Case-based System for Analysis of Remote Sensing Data, CCRS, \$50,000
- 1990-1993 NSERC Strategic Grant, \$94,475, Machine Learning applied to software re-use (Principal Investigator)
- 1992 EMR Grant, \$44,000, Machine Learning and Planning Techniques for Expert Use of LDIAS
- 1990-1991 EMR Grant, \$56,000, Machine Learning Techniques for Acquiring Knowledge About Expert Use of LDIAS
- 1989-1991 NSERC Infrastructure Grant, \$90,000 (3 yr.), Support for a Unix Computing Facility, (principal applicant)
- 1989-1991 Cognos-OTF grant, \$198,000, Adaptive Modeller Support, (principal investigator (with F. Oppacher and S. Szpakowicz).

- 1989-1991 NSERC Operating Grant, \$13,943, Machine Learning Methods for Practical Knowledge Acquisition
- 1988-1990 URIF Grant, \$15,000, Knowledge Acquisition with Learning by Watching and with Text Analysis
- 1988-1991 NSERC University Industry Cooperative Grant, \$126,000, Advanced Knowledge Acquisition Methods, principal investigator (with F. Oppacher and S. Szpakowicz) University of Ottawa Grant for a visiting scientist (T. Szapiro), \$3000.
- 1988 NSERC International Cooperation Grant, \$5,000, for a common project with Carnegie Mellon University
- 1987-1989 Cognos Grant, \$81,000, Knowledge Acquisition with Learning by Watching and with Text Analysis, (principal investigator with F. Oppacher and S. Szpakowicz) CCRIT Grant, \$17,200, Système Expert sur les Politiques et Procédures de Voyage
- 1985-1986 NRC/Cognos Grant, \$800,00 (approx.), The QUIZ Advisor System, member of a team, University of Ottawa Grant, \$3,000, User Interface for NEGOPLAN
- 1986-1988 NSERC Infrastructure Grant, \$75,000 (3 yr.), \$75,000, Support for a VMS and Unix Computing Facility, Principal Applicant NSERC Individual Operating Grant, \$41,700 (3 years), Learning in an Advisor System
- 1986 OCRI Individual Grant, \$7,200, Learning in an Advisor System
Ontario-Quebec Grant, Individual, \$1,500

INDUSTRIAL PROFESSIONAL ACTIVITIES

PROJECTS WITH:

GSTS, Inc. “Intelligent Monitoring and Analysis of the Global Navigation Satellite System Signal”, OCE and NSERC Engage

Canada Border Services Agency, “Machine Learning for face Recognition in Video Streams”

Lytica Inc.: “Recommender System for Electronic Components” (NSERC Engage grant)

Bell Canada: “Automated Risk Management’ project

Devera Logic Inc. :Computer Security, Identity and Access Management (one of the founders).

Distil Interactive (formerly I Squared Learning): data mining training and assessment through digital games; one of the founders.

TrialStat: developer of data analytics solutions for medical trials and systematic reviews.

Entrust: Canada's leading IT Security company

AmikaMobile (formerly Amikanow): provider of technologies for information extraction from the WWW

IBM Canada: teaching Compiler Technology at TOROLAB, approx. 150 TOROLAB employees trained

Cognos, Inc.: leading a Cognos-sponsored research project (budget - approx. \$300,000), managing the research effort of a team of eight computer professionals,

Lanvista: in charge of an IRAP research project, a team of four

RES Inc. in charge of a team of three, co-managing a client-driven project

Macdonald Dettwiler Associates: managing the university component of the project, team of 3-4, budget \$100,000, deliverables-driven

ITRC: managing the university component of the project, team of four, budget approx \$100,000, in cooperation with Netron, Inc.

Canadian Space Agency: managing a project on software reusability

Canada Centre for Remote Sensing: managing several projects in applications of KB technologies to Remote Sensing, over a period of three years, total funding approx. \$300,000,

Natural Resources Canada: continuation of the work with CCRS, over two years, total funding \$150,000

Revenue Canada, acted as Science Advisor to the Scientific Research and Development Tax Credits program (Montreal and Ottawa) for a period of ten years

Owner and President of Matwin and Associates, Inc., a small consulting company specializing in software engineering and knowledge-based systems

PATENTS AND INVENTION DISCLOSURES

Patent: J. Sayyad Shirabad, S. Matwin, K. White, "System for Evaluating Game Play Data Generated by a Digital Games Based Learning Game", US Patent, submitted May 20, 2007.

Patent: S. Matwin, A. Felty, B. Stepien, K. Grigg, "A Method to Detect and Report Conflicts in Policy Rules", submitted to University of Ottawa, Tech Transfer and Business Enterprise office, Sept. 2008.

Invention Disclosure: S. Matwin, D. Inkpen, W. Elazmeh, O. Frunza, "Automatic classification of systematic review documents using a per-question classifier", submitted to University of Ottawa, Tech Transfer and Business Enterprise office, Jan. 2007.

PUBLICATIONS

1) Life-time summary (count) according to the following categories:

Books authored and co-authored - 5

Chapters in books - 6

Papers in refereed journals - 45

Papers in refereed conference proceedings – 186

2) Same categories as above: books, chapters in books, papers in refereed journals,

TECHNICAL REPORTS OR PAPERS READ ARE NOT INCLUDED.

NOTE: names of co-authors who were graduate students or postdocs at the time of publication are **in bold**

Books authored:

1. Aijun An, Stan Matwin, Zbigniew W. Ras, Dominik Slezak: Foundations of Intelligent Systems, 17th International Symposium, ISMIS 2008, Toronto, Canada, May 20-23, 2008, Proceedings Springer 2008.
2. Joost N. Kok, Jacek Koronacki, Ramon López de Mántaras, Stan Matwin, Dunja Mladenic, Andrzej Skowron: Machine Learning: ECML 2007, 18th European Conference on Machine Learning, Warsaw, Poland, September 17-21, 2007, Proceedings Springer 2007.
3. Matwin, S. Sammut, C., Inductive Logic Programming, Proceedings of the 12th International Conference, Lecture Notes in Computer Science, Springer Verlag, Sydney, Australia, 2002.
4. Stroulia, E., Matwin, S. , Artificial Intelligence 2001, Proceedings of the international conference, Lecture Notes in Computer Science vol. 2056, Ottawa, Canada, June 2001.
5. PASCAL. Scientific and Technical Publishers. Iglewski, J. Madey, Matwin, S. Warsaw, four editions, 1977, 1979, 1984 and 1987 (176 pp.).

Chapters in Books:

1. Matwin, S. “Privacy-related Aspects and Techniques”, to appear, Encyclopedia of Machine Learning, G. Webb, C. Sammut, Editors, Springer, 2010.
2. Matwin, S., Szapiro, T., “Data Privacy: From Technology to Economics”, in “Ryszard Michalski in memoriam”, Advances in Machine Learning II 2010: 43-74 Springer, 2010.
3. **Sayyad Shirabad J.**, Lethbridge, T. and Matwin, S., “Modeling Relevance Relations Using Machine Learning Techniques”, in J.Tsai (ed), Advances in Machine Learning Approaches in Software Engineering, D. Zhang and J. Tsai, Editors, IGI, 2007, pp. 168-207.
4. **Caropreso, F.**, Matwin S. and Sebastiani F., "A learner-independent evaluation of the usefulness of statistical phrases for automated text categorization.",in Amita G. Chin

(ed.), Text Databases and Document Management: Theory and Practice, Idea Group Publishing, Hershey, PA, 2001, pp. 78-102.

5. Matwin S., **Plante** B., "Theory Revision by means of Analyzing Explanations and Prototypes", Machine Learning, Vol. 4, pp. 217-238, R. Michalski, G. Tecuci eds, Morgan-Kaufmann 1994.
6. Szpakowicz S., Matwin S., "Advances in Logic Programming", in T.I. Ören (ed.), in "Advances in Artificial Intelligence in Software Engineering", (ed), (JAI Press, Greenwich, CT, 1991) (with S. Szpakowicz) pp.192-201

Papers in Refereed Journals:

1. Matwin, S., Szapiro, T., "Data Privacy – Need for an Economic Perspective", Data Observatory Magazine, to appear.
2. Huang, J., Sayyad Shirabad, J., Matwin, S., Su, J., "Improving Multi-View Semi-supervised Learning with Agreement-based Sampling" to appear, Intelligent Data Analysis Journal.
3. Zhilin, M., **Matwin**, S., Turcotte, M. "Annotation Concept Synthesis and Enrichment Analysis: a Logic-Based Approach to the Interpretation of High-Throughput Experiments", Bioinformatics, Volume 27, No.17, 2011, pp. 2391-2398
4. Matwin, S., Kouznetsov, A., Inkpen, D., Frunza, O., O'Blenis, P., "Performance of SVM and Bayesian Classifiers on the Systematic Review Classification Task (letter to the Editor)", JAMIA 18(1), 2011, pp. 104-105
5. **Frunza**, O., Matwin, S., Inkpen, D., **Klement**, W., O'Blenis, P. "Exploiting the Systematic Review Protocol for Classification of Medical Abstracts", Journal of Artificial Intelligence in Medicine 51, (2011), pp. 17-25.
6. Herranz, J., Matwin, S., Nin, J., Torra, V., - "Classifying Data from Protected Statistical Datasets", Computers and Security, pp.875-890.
7. Farion, K., Michalowski, W., **Wilk**, S., **O'Sullivan**, D., Matwin, S. "A Tree-Based Decision Model to Support Prediction of the Severity of Asthma Exacerbations in Children". J. Medical Systems 34(4): 551-562 (2010)
8. Matwin, **Kouznetsov**, A., **S.**, Inkpen, D., **Frunza**, O., O'Blenis, P. "Using Factorized Complement Naïve Bays and weight Engineering for Reducing Workload in Evidence-Based Medicine Systematic Reviews", Journal of the American Medical Informatics Association, (JAMIA), Vol. 17, pp. 446-453, 2010
9. Matwin S., Chang L., Wright R., Zhan J., Editorial - "Privacy and Security Aspects of Data Mining" Special issue – International Journal of Information and Computer Security, 2008 Volume 2, No. 1 , pp. 1-3, 2008

10. **Zhan J.**, Matwin. **S.**, “Privacy-Preserving Support Vector Machine Classification”, International Journal of Intelligent Information and Database Systems, 2007 Volume 1, No.3/4, pp.356-385.
11. **Zhan J.**, Matwin **S.**, “Privacy Preserving Data Mining in Electronic Surveys”, International Journal of Network Security, Vol. 4, No. 3 pp.318-327, March 2007.
12. **Zhan, J.**, Matwin, **S.**, Chang, **L.**, “Privacy-Preserving Collaborative Association Rule Mining”, Journal of Network and Computer Applications, Vol. 30, Issue 3, 2007, pp. 1216-1227.
13. **Zhan J.**, Chang **L.**, Matwin **S.**, “Privacy Preserving Multi-Party Decision Tree Induction”, International Journal on Business Intelligence and Data Mining 2(2): 197-212 (2007)
14. **de Souza J.**, Matwin **S.**, Japkowicz, **N.**: “Parallelizing Feature Selection”, pp. 433-456, Algorithmica 45(3): 433-456 (2006).
15. Drummond **C.**, Matwin **S.**, Gaffield **C.**, “Inferring and Revising Theories with Confidence: Analyzing the 1901 Canadian Census”, Applied Artificial Intelligence, vol.20, No. 1, pp.35-55, (2006)
16. **Zhan, J.**, Chang, **L.**, Matwin, **S.**, “Privacy Preserving K-nearest Neighbour Classification”, I. J. Network Security 1 (1): pp. 46-51 (2005)
17. **Matwin S.**, Inductive Logic Programming: Guest Editor’s Introduction, Machine Learning Journal, vol. 57, No. 3, pp. 203-204, (2004)
18. **Zhan J.**, Chang **L.**, Matwin **S.**, “Privacy-Preserving Electronic Voting”, Journal of Information Security, Vol.15, pp165-180, (2004).
19. **Ouerd M.**, Oommen **B.** and Matwin **S.**, “A formal approach to using data distributions for building causal Polytrees structures”, Information Sciences Journal, vol. 168, pp. 111-131, (2004).
20. **Alphonse, E.** Matwin, **S.**, “Filtering Multi-Instance Problems to Reduce Dimensionality in Rational Learning”, Journal of Intelligent Information Systems”, Kluwer Academic, vol. 22(1), pp. 23-40, 2003.
21. **Morin, J.**, Matwin, **S.**, “GENEX: A Tool for Testing in ILP”, Software Practice and Experience, vol. 31, pp. 1003-1023, 2001.
22. **Létourneau, S.**, Famili, **F.** Matwin, **S.**, “Data Mining for Prediction of Aircraft Component Failure”, IEEE Intelligent Systems, Special issue on DM, pp. 59-66 (1999).
23. Kubat, **M.**, Holte, **R.**, **Matwin, S.** , “Machine Learning for the Detection of Oil Spills in Satellite Radar Images”, Machine Learning Journal, 30, 195-215 (1998).

24. Matwin, S., **Rios**, R. "Learning recursive definitions in Horn-clause logic", Brazilian Computer Journal, 1(3), pp. 40-50, 1996.
25. **Clark**, P. Feng, C., Matwin, S., Fung, K. "Improving Image Classification by Combining Statistical, Case-based and Model-based Prediction Methods", Fundamenta Informaticae, pp. 227-240, 1996.
26. Matwin, S., Mason, C., "Environmental Applications of Artificial Intelligence", IEEE EXPERT and Intelligent Systems, vol. 10 No. 6, pp. 12-13, 1995.
27. Matwin, S., **Charlebois**, D., Goodenough, D., "Machine Learning and Planning for Data Management in Forestry", IEEE EXPRT and Intelligent Systems, vol. 10 No.6, pp. 35-41, 1996.
28. Goodenough, D, **Charlebois**, D., Matwin, S. , Robson, R., 1994, "Automating of Expert System Software for Analysis of RS Data", IEEE Trans. on Geoscience and Remote Sensing, vol. 32 No. 3, pp. 525-533..
29. Koperczak, Z., Matwin, S., Szpakowicz, S., 1993, "Modelling of Negotiation Strategies Using Two Interacting Expert Systems", Control and Cybernetics, vol. 21, no.1, 105-130.
30. **Fouque** G., Matwin S., 1993, "A Case-based Approach to Software Reuse", International Journal of Information Systems (Kluwer) 1, pp. 165-197.
31. **Matwin S.** and Szpakowicz S., 1992, "Machine Learning Techniques in Knowledge Acquisition from Text". THINK vol. 1(2), 37-50.
32. Bergadano, F., Matwin, S., Michalski, R.S., Zhang, J., "Learning Two-tiered Descriptions of Flexible Concepts", Machine Learning Journal, 1992, 8, pp. 5-43.
33. Matwin, S. , Szapiro, T., **Haigh**, K., , 1991, "Genetic Algorithms Approach to a Negotiation Support System", in IEEE Transactions on Systems, Man and Cybernetics, 21:1, pp. 102-114.
34. **Constant**, P., Matwin, S. , Oppacher, F., 1990, "LEW: Learning by Watching. A Machine Learning System for Knowledge Acquisition", in IEEE Transactions on Pattern Analysis and Machine Intelligence, 12:3, pp. 294-307.
35. **Geldrez**, C., Matwin, S., **Morin**, J., Probert, R.L., 1990, "Protocol Conformance Testing by Explanation-based Learning", IEEE Expert, 5:5, pp. 45-60.
36. Matwin, S. , Oppacher, F., **Constant**, P., 1989, "Knowledge Acquisition by Incremental Learning from Problem solution Pairs", Computational Intelligence, 5:2, pp. 58-66.
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38. Kersten, G., Michalowski, W., Matwin, S., Szpakowicz, S., "Representing the Negotiation Process with a Rule based Formalism", Theory and Decisions, vol. 22, pp. 225-257, 1988.
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40. Matwin, S., Forsythe, K., "Copying Dynamic Structures in a PASCAL Environment", Software Practice and Experience, 16:4, pp. 335-340, 1986.
41. Matwin, S., Pietrzykowski, T., "The Programming Language PROGRAPH: A Preliminary Report", Computer Languages, 10:2, pp. 91-125, 1985.
42. Skuce, D., Matwin, S., Szpakowicz, S., Tazovich, B., and Oppacher, F., "A Logic_Based Knowledge Source System for Natural Language Documents", Data and Knowledge Engineering, pp. 201-231, 1985.
43. Matwin, S.: On the Completeness of a Set of Transformations Optimizing Linear Programs. - Inf. Process. Lett. 6(5): 165-167, 1977.
44. Matwin, S.: An Experimental Investigation of Geschke's Method of Global Program Optimization. - Inf. Process. Lett. 6 (6): 177-179, 1977.
45. Matwin, S., Missala, M., - "A Simple machine Independent Tool for Obtaining Rough Measures of Pascal Programs", SIGPLAN, Vol. 11, pp. 42-45, August 1976.

Papers in Refereed Journals (Submitted):

1. Massanes, F. Matwin, S., Larriba, J., "A Method to Identify Experts in Communities and Social Networks", submitted.
2. **Sayyad Shirabad J.**, Lethbridge T., Matwin S., "Discovering Relevance Relations in Software Systems Using Data Mining Techniques", submitted.

Papers in Refereed Conference Proceedings (since 1985):

1. Kiritchenko, S., Matwin, S. – Most Influential Paper of CASCON 2001, Reprint – "Email Classification with Co-Training", Procs of CASCON 2011, Toronto, November 2011.
2. Klement, W., Japkowicz, N., Matwin, S., Flach, P., "Smooth Receiver Operating Characteristics (smROC) Curves", Procs. of ECML/PKDD 2011, Athens, Greece, September 2011, pp. 193-208. .
3. Stepień, B., Felty, A., Matwin S., "Advantages of a Non-Technical XACML Notation in Role-Based Models", Procs, Conference on Privacy, Security and Trust, Montreal, July 2011, pp. 193-200.

4. Su, J., Sayyad Shirabad, J., Matwin, S., “Large Scale Text Classification using Semi-supervised Multinomial Naïve Bayes”, Procs of 28th International Conference on Machine Learning (ICML 2011), Seattle.
5. **Klement, W.**, Wilk, S., Michalowski, W., Matwin, S., “Classifying Severely Imbalanced Data”, Procs. of AI 2011 annual conference, pp. 258-264..
6. **Neves, E.**, Matwin, S., “Extending AdaBoost to Iteratively Vary Its Base Classifiers”, Procs. of AI 2011 annual conference, pp. 384-389.
7. Matwin, S., **Razavi, A.**, De Koninck, J. , Amini, R., “Classification of Dreams using Machine Learning”, procs of ECA/PAIS Conference, Lisbon, Portugal, August 2010, pp.169-174.
8. **Razavi, A.**, Inkpen, D., Uritsky, S. and Matwin, S., “ Offensive Language Detection Using Multi-level Classification”, Procs. of AI 2010 annual conference, Ottawa, May/June 2010, Springer, pp. 16-27.
9. **Abbasian, H.**, Drummond, C., Japkowicz, N., Matwin, S., “Robustness of Classifiers to Changing Environments”, procs of AI 2010 annual conference, Ottawa, May/June 2010, Springer, pp. 232-243.
10. **Jiline, M.**, Matwin, S., Turcotte, M., “Annotation Concept Synthesis and Enrichment Analysis”, procs of AI 2010 annual conference, Ottawa, May/June 2010, Springer, pp. 304-308.
11. **Seifi, F.**, Drummond, C., Japkowicz, N., Matwin, “Improving Bayesian Learning Using Public Knowledge” , procs of AI 2010 annual conference, Ottawa, May/June 2010, Springer, pp. 348-351.
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14. Stepien, B., Matwin, S. Felty, A., Strategies for Reducing Risks of Inconsistencies in Access Control Policies, ARES 2010, Krakow, Poland, Feb. 2010, pp. 140-147.
15. Matwin **S.**, Privacy and Data Mining: New Developments and Challenges. Exploitation et Gestion de Connaissances, 2009, page 1 (invited paper).
16. Herranz, J., Matwin, S., Meseguer, P., Nin, J., “A Cryptographic Solution for Private Distributed Simple Meeting Scheduling” to appear, CCA 2009, Barcelona, pp. 275-283.
17. Matwin, S., Image Processing and Machine Learning: How to Foster a Stronger Connection, 15th International Conference on Image Analysis and Processing, Italy, 2009, p. 7.

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19. Su, J., **Sayyad-Shirabad**, J. Matwin, S., **Huang**, J., Une méthode discriminative de sélection d’instances utilisant les arbres aléatoires, Conférence francophone sur l’Apprentissage artificiel, Plate-forme AFIA 2009, Hammamet, Tunisie, June 2009, pp. 53-65.
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22. **Kouznetsov**, A., Matwin, S., Inkpen, D., **Razavi**, A., **Frunza**, O. **Sehatkar**, M. **Seaward**, L., O’Blenis, P. “Classifying Biomedical Abstracts Using Committees of Classifiers and Collective Ranking Techniques”, Procs of AI 2009 annual Conference, Kelowna, B.C. May 2009, pp. 224-228.
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24. **Su**, L., **Sayyad Shirabad**, J., Matwin, S., Huang, J. “Active Learning with Automatic Soft Labeling for Induction of Decision Trees”, Procs of AI 2009 annual Conference, Kelowna, B.C. May 2009, pp.241-244.
25. **Huang**, J., Ling, C.X.,Zhang, H., Matwin, S.- “Proper Model Selection with Significance Test”, Procs of ECML PKDD 2008, Antwerp, Belgium, September 2008, pp. 536-547.
26. **Wilk**, S., Michalowski, W., Farion, K., **O’Sullivan**, D., Matwin, S.” Engineering of a Clinical Decision Support Framework for the Point of Care Use”, Procs of AMIA 2008 Annual Symposium, Washington, pp.814-818.
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28. **Razavi**, A., **Amini R.**, **Sabourin C.**, **Sayyad Shirabad J.**, **Nadeau D.**, Matwin S., De Koninck J. – “Evaluation and Time Course Representation of the Emotional Tone of Dreams Using Machine Learning and Automatic Text Analysis”, 19th Congress of the European Sleep Research Society, Glasgow, Scotland, September 2008. Abstract in “Journal of sleep Research”, p.257
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35. **Capretta V., Stepien B., Felty A., Matwin S.,** “Formal Correctness of Conflict Detection for Firewalls”, Procs of Formal Methods in Security Engineering Conference, Virginia, November 2007, pp. 22-30.
36. **Caropreso. F., Matwin S.,** “Incorporating Syntax and Semantics in the Text Representation for Sentence Selectio”, Procs of Recent Advances in National Language Processing Conference, Bulgaria, September 2007, pp. 109-113.
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38. **Sayyad Shirabad,J. Matwin, S. White, K.** “Using Data Mining Techniques in Assessing Subjective Skills: An Application in Digital Based Game Learning”, Procs. Of the Group Decision and Negotiation Conference, Montreal, 2007, pp. 337-347.
39. **Elazmeh, W., O’Sullivan, D., Farion, K. Matwin, S., Michalowski, W.,** “Insights from Predicting Pediatric Asthma Exacerbations from Retrospective Clinical Data”, AAAI Workshop on Performance Evaluation in Machine Learning, July 2007.
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49. **Nadeau, D,** Turney, P., Matwin, S., “Unsupervised Named-Entity Recognition: Generating Gazetteers and Resolving Ambiguity”, Procs of AI’2006, Québec, QC., pp. 266-277
50. **Caropreso, F,** Matwin, S., “Beyond the Bag of Words: a Text Representation for Sentence Selection”, Procs of AI’2006, Québec, QC., pp. 324-335
51. **Boufaden, N, Elazmeh, W, Elkadri, N,** Matwin, S., Japkowicz, N., “PEEP – Privacy Enforcement in Email Project”, Procs. Of the Privacy, Security and Trust Conference, St. Andrews, NB 2005, pp. 257-260
52. **Souza, J.,** Japkowicz, N., Matwin, S., “STochFS: A Framework for Combining Feature Selection Outcomes through a Stochastic Process”, Procs. Of PKDD 2005, Porto, pp.667-674.
53. **Boufaden N., Elazmeh W.,** Matwin S., Japkowicz, N. Elkadri N., “PEEP – An Information Extraction based approach for Privacy Protection in Email”, Procs. of the Second Conference on Email and Anti-Spam –CEAS 2005, Stanford University, July 2005 (8 pp.)

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