

Curriculum Vitae: Shuly Wintner

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1 Personal Details

Name: Shuly Wintner

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2 Higher Education

A. Undergraduate and Graduate Studies

1986–1988 B.A. [Technion, Israel Institute of Technology, Computer Science.](#)

1988–1991 M.Sc. [Technion, Israel Institute of Technology, Computer Science.](#) Thesis: *Syntactic Analysis of Hebrew Sentences*. Advisor: Prof. Uzzi Ornan.

1993–1997 D.Sc. [Technion, Israel Institute of Technology, Computer Science.](#) Thesis: *Abstract Machine for Unification Grammars with Applications to an HPSG Grammar for Hebrew*. Advisor: Prof. Nissim Francez.

B. Post-Doctoral Studies

4/1997–8/1998 [Seminar für Sprachwissenschaft, Universität Tübingen, Germany.](#) Host: Prof. Erhard Hinrichs.

9/1998–8/2000 [Institute for Research in Cognitive Science, University of Pennsylvania.](#) Host: Prof. Aravind Joshi.

3 Academic Ranks and Tenure in Institutes of Higher Education

10/2000–11/2004 Lecturer, [Department of Computer Science, University of Haifa](#)

12/2004–5/2010 Senior lecturer (with tenure), [Department of Computer Science, University of Haifa](#)

9/2006–8/2007 Visiting Professor, [Language Technologies Institute, School of Computer Science, Carnegie Mellon University](#)

6/2010–4/2014 Associate Professor, [Department of Computer Science, University of Haifa](#)

5/2014–present Full Professor, [Department of Computer Science, University of Haifa](#)

4 Service

4.1 Offices in University of Haifa Academic Administration

10/2008–7/2010 Chair, M.Sc. Committee, Department of Computer Science

10/2012–2/2017 Head, Department of Computer Science

10/2013–9/2018 University of Haifa Senate Member

10/2013–9/2016 Senate representative to the Board of Governors

10/2014–present Member, Senate Honorary Degree Committee

10/2016–present Chair, University of Haifa Faculty Union

4.2 National and International Committees

2003-2006 Member of the Steering Committee, [Knowledge Center for Processing Hebrew](#).

2005–2011 Chair, [ACL Special Interest Group on Computational Approaches to Semitic Languages](#).

2012–2013 Member, [Quality Assessment Committee for the Evaluation of Linguistics Study Programs in Israel](#).

2013–2017 Member of the Management Committee, [COST action IC1207](#).

2014–2018 Member of the Management Committee, [COST action IS1312](#).

2019 Chair-elect, [European Chapter of the Association for Computational Linguistics](#).

4.3 Editorial Board Membership

2003–2011 [Research on Language and Computation](#) (member of the editorial board 2003-2007, associate editor 2007–2008, editor-in-chief 2008-2011).

2011–present [Journal of Logic and Computation](#).

2012–present [Journal of Language Modelling](#).

2018–present [PLOS One](#).

4.4 Reviewing for Journals

[Journal of Linguistics](#) (2000); [Linguistics and Philosophy](#) (2004); [Journal of Child Language](#) (2009); [Journal of Logic, Language and Information](#) (2007-2009); [ACM Transactions on Asian Language Information Processing](#) (2008, 2010); [Research on Language and Computation](#) (2003-2011); [ACM Transactions on Speech and Language Processing](#) (2012), [Language Resources and Evaluation](#) (2005, 2013-2014), [Literary and Linguistic Computing](#) (2005, 2014), [Journal of Artificial Intelligence Research](#) (2014), [Natural Language Engineering](#) (1997-2000, 2006, 2008, 2010-2011, 2015); [Behavior Research Methods](#) (2018), [Computational Linguistics](#) (2001-2003, 2006-2013, 2018), [Transactions of the Association for Computational Linguistics](#) (2012-2018).

4.5 Reviewing for Funding Agencies

[Israel Science Foundation](#), 2003, 2005, 2008, 2012, 2014; [National Science Foundation](#), 2011 (declined); The French National Research Agency (ANR), 2012 (declined); [Vienna Science and Technology Fund](#), 2012; The University of Antwerpen Research Council, 2013; COST, European Cooperation in Science and Technology, 2013 (declined); GIF, The German Israeli Foundation for Scientific Research and Development, 2013 (declined); South Africa's National Research Foundation, 2014 (declined), 2015; US-Israel Binational Science Foundation (2014); Natural Sciences and Engineering Research Council of Canada (2015); Committee on Research and Development of The Education University of Hong Kong (2016); European Research Council Consolidator Grants (2016).

4.6 Chairing Conference Program Committees

[ESSLLI 2000 Workshop on Linguistic Theory and Grammar Implementation](#), Birmingham, England, 2000 (**co-chair**).

[ACL 2002 Workshop on Computational Approaches to Semitic Languages](#), Philadelphia, July 2002 (**co-chair**).

[NLULP 2002](#), 7th International Workshop on Natural Language Understanding and Logic Programming, Copenhagen, July 2002 (**program chair**).

[FGTrento](#), The 7th conference on Formal Grammar, Trento, August 2002 (**co-chair**).

[FGVienna](#), The 8th conference on Formal Grammar, Vienna, August 2003 (**co-chair**).

[FGNancy](#), The 9th conference on Formal Grammar, Nancy, August 2004 (**co-chair**).

[COLING 2004](#), The 20th International Conference on Computational Linguistics, Geneva, Switzerland, August 2004 (**area chair** for Phonology and Morphology).

[FG-MOL 2005](#), The 10th conference on Formal Grammar and the 9th Meeting on Mathematics of Language, Edinburgh, August 2005 (**co-chair**).

[FG 2006](#), The 11th conference on Formal Grammar, Malaga, July 2006 (**co-chair**).

[EACL 2006](#), the 11th meeting of the European Chapter of the Association for Computational Linguistics, Trento, April 2006 (**program co-chair**).

[EACL 2009 Workshop on Computational Approaches to Semitic Langs.](#), Athens, April 2009 (**co-chair**).

[EACL 2014](#), the 14th Conference of the European Chapter of the Association for Computational Linguistics, Gothenburg, Sweden, April 2014 (**general chair**).

[MWE 2015, 11th Workshop on Multiword Expressions](#), Denver, June 2015 (**co-chair**).

[ACL 2018](#), the 56th Annual Meeting of the Association for Computational Linguistics, Melbourne, Australia, July 2018 (**area chair** for Linguistic Theories, Cognitive Modeling and Psycholinguistics).

[ACL 2019](#), the 57th Annual Meeting of the Association for Computational Linguistics, Florence, Italy, July–August 2018 (**area chair** for Linguistic Theories, Cognitive Modeling and Psycholinguistics).

4.7 Reviewing for Conferences

[HPSG 1999](#); [NLULP 1999](#); [MOL 1999](#); [COLING 2000](#); [RANLP 2001](#); [ESSLLI 2001 student session](#); [ACL 2001](#); [Student Research Workshop at ACL 2002](#); [EACL03 Student Session](#); [Machine Translation for](#)

Semitic Languages; ACL 2004 Posters/Demos session ACL 2005 Workshop on Computational Approaches to Semitic Languages ACL 2004; ACL 2005 Workshop Committee; ACL 2005; HPSG 2005; FSMNLP 2005; 3rd International Wordnet Conference; COLING-ACL 2006; LATA 2007; NAACL-HLT 2007; ACL 2007 Workshop on Computational Approaches to Semitic Languages; ACL 2007 Workshop on Deep Linguistic Processing; ACL 2007; IATL 2007; EMNLP-CoNLL 2007; FG 2007; FSMNLP 2007; ACL 2008; FG 2008; EMNLP 2008; FSMNLP 2008; SIGMORPHON 2008; EACL 2009; NAACL-HLT 2009; 2009 Workshop on Systems and Frameworks for Computational Morphology; IWPT 2009; ACL-IJCNLP 2009; FG 2009; EMNLP 2009; NAACL 2010; ACL 2010; SIGMORPHON 2010; The Second Named Entities Workshop (NEWS 2010); LREC 2010 Workshop on Computational Approaches to Semitic Languages; COLING 2010; EMNLP 2010; ACL-HLT 2011; EMNLP 2011; IWPT 2011; ICJNLP 2011; EACL 2012; ACL 2012; FSMNLP 2012; Cognitive 2012; SIGMORPHON 2012; EMNLP-CoNLL 2012; COLING 2012; NAACL 2013; ACL 2013; EMNLP 2013; EACL 2014 Workshop on Cognitive Aspects of Computational Language Learning; EACL 2014 Workshop on Multiword Expressions; SIGMORPHON 2014; ACL 2014; COLING 2014; EMNLP 2014; NAACL-HLT 2015; ACL-IJCNLP 2015; EMNLP 2015; PARSEME-5; WMT 2015; NAACL 2016 Workshop on Multilingual and Cross-lingual Methods in NLP; NAACL-HLT 2016; PARSEME-6; SIGMORPHON 2016; CogACLL 2016; ACL 2016; COLING 2016; EMNLP 2016; Grammar and lexicon: interactions and interfaces (2016); EACL 2017; ACL 2017; NAACL 2018; CogACLL 2018; LAW-MWE-CxG 2018; EMNLP 2018; NAACL 2019.

4.8 Organization and Administration

Organization of the first Israeli Seminar on Computational Linguistics, Technion, Haifa, 1995–1996.

Organizer, [Israeli Seminar on Computational Linguistics](#), University of Haifa, February 2001.

Co-organizer, [Israeli Seminar on Computational Linguistics](#), Technion, Haifa, December 2003.

Organizer, [Israeli Seminar on Computational Linguistics](#), University of Haifa, June 2006.

Organizer, [Workshop on Large-scale Grammar Development and Grammar Engineering](#), University of Haifa, June 2006.

Organizer, [Workshop on Formal Approaches to Lang. Acquisition](#), University of Haifa, October 2007.

Local organizer, [CICLing-2008](#), University of Haifa, Israel, February 2008.

Co-organizer, [Languages: from Formal to Natural](#), Technion, Haifa, May 2009.

Co-organizer, [Haifa Workshop on Psycholinguistics](#), University of Haifa, January 2010.

Co-organizer, [Israeli Seminar on Computational Linguistics](#), Tel Aviv University, June 2010.

Organizer, [Workshop on Machine Translation and Morphologically-rich Languages](#), University of Haifa, January 2011.

Local organizer, [Israeli Seminar on Computational Linguistics](#), University of Haifa, September 2014.

Local organizer, [PARSEME 3rd general meeting](#), University of Haifa, September 2014.

Local organizing committee member, [10th Mediterranean Morphology Meeting](#), University of Haifa, September 2015.

5 Invited Lectures

5.1 Keynotes

Date	Place	Name of Forum	Presentation/Comments
2010	Iași, Romania	11th International Conference on Intelligent Text Processing and Computational Linguistics (CiCLing)	Computational Models of Language Acquisition
2011	Dubrovnik, Croatia	NooJ 2011	Hebrew Multi-word Expressions: Computational Aspects
2013	Bar Ilan University	Third Israeli Conference of Research Students in Modern Hebrew	The Features of Translationese: Computational Approaches to Translation Studies
2017	Orléans, France	TALN, the 24th edition of the French NLP conference	Computational Approaches to the Study of Translation
2018	Tel Aviv University	The 4th annual Usage-Based Linguistics conference	Computational Approaches to the Study of Translation

5.2 Workshop Invited Talks

Date	Place	Name of Forum	Presentation/Comments
1999	Dagstuhl, Germany	Dagstuhl Seminar on Efficient Language Processing with High-level Grammar Formalisms	Grammar Composition
1999	Las Cruces, NM	Sixth International Workshop on Natural Language Understanding and Logic Programming	Logic Programming Paradigms in Computational Linguistics
2003	Haifa, Israel	ISCOL'03	Resources for Processing Hebrew
2005	Malta	Malta Workshop on Language Technology and Education	Resources for Processing Hebrew
2007	Nancy, France	eXtensible MetaGrammar Workshop	Associativity of tree-based formalisms
2007	Prague, Czech Rep.	Workshop: What can Natural Language Processing and Semantic Web technologies do for eLearning?	Cross-lingual Information Retrieval for Cultural Heritage Appreciation
2009	Haifa, Israel	Symposium on Languages: from Formal to Natural	Formal Grammars of Early Language
2013	Paris, France	The Workshop on Language, Cognition and Computational Models	The Features of Translationese
2013	Warsaw, Poland	COST Action IC1207 PARSEME meeting	Hebrew Multi-word Expressions: Lexical Representation and Morphological Processing
2014	Tübingen, Germany	Current Trends in Language Technology and Linguistic Modeling	The Features of Translationese

6 Colloquium Talks

Date	Place and Name of Forum	Presentation/Comments
1994	Seminar für Sprachwissenschaft, Tübingen, Germany	Abstract Machine for TFSs
1994	ESSLLI'94 Workshop on Grammar Formalisms for NLP , Copenhagen, Denmark	Abstract Machine for TFSs
1994	Institut für Maschinelle Sprachverarbeitung, Stuttgart, Germany	Abstract Machine for TFSs
1995	Seminar für Sprachwissenschaft, Tübingen, Germany	Parsing with TFSs
1996	Intel Design Center, Haifa, Israel	Efficient Compilation of Grammars for Natural Languages
1997	DFKI (German Research Center for Artificial Intelligence), Saarbrücken, Germany	Amalia—Abstract MACHine for Linguistic Applications
1998	CSLI Talk , Stanford, CA	Efficient Compilation of Grammars for Natural Languages
1998	Xerox PARC, Palo Alto, California	Efficient Compilation of Grammars for Natural Languages
1999	PIRCS-FEST '99 – Mini-conference on postdoctoral research in Cognitive Science at Penn , IRCS, Philadelphia	Modularized Context-Free Grammars
2000	School of Computer Science and Engineering , Hebrew University of Jerusalem	Logic Programming Paradigms in Computational Linguistics
2000	Department of Computer Science , University of Haifa	Logic Programming Paradigms in Computational Linguistics
2000	PIRCS-FEST 2000: Mini-conference on postdoctoral research in Cognitive Science , University of Pennsylvania	Typing as a Means for Validating Feature Structures
2000	Alfa Informatica , University of Groningen	Modularized CFGs
2001	Computer Science Department , Technion, Haifa	Modularized CFGs
2001	ITC-IRST , Trento, Italy	Modularized CFGs
2001	Ben Gurion University , Beer-Sheva, Israel	Modularized CFGs
2002	Intel Design Center, Haifa	Computational Linguistics: An Introduction
2003	Department of Mathematics, University of Haifa	Computational Linguistics: An Introduction
2003	Faculty of Mathematics and Computer Science, Weizmann Institute	Computational Linguistics: An Introduction
2005	International Guest lectures on Computer Science, Hogeschool Utrecht, The Netherlands	Finite-state Technology and its Applications for NLP
2007	Current Trends in Teaching Computational Linguistics , Freudenstadt, Germany	Teaching Finite-state Technology: a Hands-on Approach
2008	Department of Computer Science, University of Malta	Multi-word Expressions in Hebrew
2008	Department of Computer Science, University of Malta	A Transfer-Based Hebrew-to-English Machine Translation System
2009	Haifa Language Forum, University of Haifa	Multi-word Expressions in Hebrew
2009	Second Haifa-Trento Collaboration Workshop, FBK-Irst, Trento, Italy	Transfer-Based Hebrew-to-English Machine Translation

2009	Interdisciplinary Colloquium, Department of Linguistics, Tel Aviv University	Computational Models of Language Acquisition
2010	Linguistics Colloquium, Bar Ilan University	Hebrew Multi-word Expressions: Computational Aspects
2012	MTA SZTAKI, Hungarian Academy of Sciences, Budapest	The Non-Associativity of Polarized Tree-Based Grammars
2012	Haifa Language Forum, University of Haifa	The Hebrew CHILDES Corpus
2013	CLT Seminar, University of Gothenburg , Sweden	The Features of Translationese
2013	Cognitive Science Forum, University of Haifa	The Features of Translationese
2013	IBM Research Haifa Seminar	The Features of Translationese
2014	ILCC, University of Edinburgh, UK	The Features of Translationese
2015	Université François Rabelais de Tours, Blois, France	Identification of MWEs
2015	Distinguished Speakers in Language Science, Universität des Saarlandes, Germany	Identification of Translationese
2015	Goethe-Universität Frankfurt, Germany	Identification of Translationese
2015	Linguistic Modeling and its Interfaces, Universität Tübingen, Germany	Identification of Translationese
2018	Georgetown University, Washington	Computational Approaches to the Study of Translation
2018	Carnegie Mellon University, Pittsburgh	Computational Approaches to the Study of Translation
2018	Multilingual Education Research Forum, Tel Aviv Univ.	Computational Approaches to the Study of Translation

7 Research Grants

Role	Partners	Topic	Source	Amount (own)	Year
PI		Mathematical and Computational Infrastructure for Grammar Engineering	ISF	US\$ 150,000	2001-05
PI	E. Hinrichs	Grant for Organizing a German-Israeli School in Computational Linguistics	Minerva	DM 50,000	2001
PI		Grant for Establishing a Laboratory for New Faculty Members	ISF	US\$ 40,000	2002
PI		WordNet for Hebrew	MoST	ILS 394,105	2003-05
PI		Finite-state-based Morphological Analysis	MoST	ILS 365,905	2003-06
PI	I. Dagan	Cross-lingual Information Retrieval	IIA	US\$ 45,000	2005-07
PI		Grant for Holding a Research Workshop	ISF	US\$ 15,000	2006
PI		Hebrew to English Machine Translation	ISF	ILS 378,000	2006-09
CI	A. Itai (PI)	Hebrew Multi-word Tokens: Representation, Processing and Acquisition	ISF	ILS 780,000	2007-11
PI	A. Lavie, B. MacWhinney, A. Prior	Morphological and Syntactic Annotation of Hebrew Child Language	BSF	US\$ 142,000	2008-12
PI		Grant for Holding a Research Workshop	ISF	US\$ 16,000	2010
PI	N. Melnik	Grammar Engineering	ISF	ILS 873,600	2011-15

PI	M. Koppel	Improving Statistical Machine Translation through Machine Learning and Text Categorization	MoST	ILS	1,113,600	2011-14
PI	N. Melnik	Grant for Holding a Research Workshop	ISF	ILS	68,000	2015
PI	N. Smith, N. Schneider and Y. Tsvetkov	Modeling Crosslinguistic Influences between Language Varieties	BSF	US\$	80,000	2018-20
PI	A. Lüdeling, A. Prior	Crosslingual Language Varieties: A Multi-faceted Investigation	DFG	EUR	179,000	2019-21

8 Teaching

8.1 Courses Taught in Recent Years

Title	Year	Type	Level	Class Size
Introduction to Computer Science	2001-2019	Course	Undergrad.	60-100
Computational Linguistics	2001-2017	Course	Mixed	20-40
Natural Language Processing	2012-2019	Course	Mixed	20-40
Laboratory in natural language processing	2002-2019	Laboratory	Graduate	12-18

8.2 Tutorials and Teaching at Special Events

July 1997, BCN Summer School 97, [Graduate School for Behavioral and Cognitive Neurosciences](#), Groningen University. Tutorial, *Topics in Constraint-based Natural Language Processing*.

August 1998, [ESSLLI 1998: 10th European Summer School in Logic, Language and Information](#), Saarbrücken. 20-hour graduate course, [Unification-Based Linguistic Formalisms](#).

July 2000, [18th international conference on computational linguistics \(COLING-2000\)](#), Nancy, France. Tutorial, [Grammar Semantics](#).

August 2001, [ESSLLI 2001: The 13th Summer School in Logic, Language and Information](#), Helsinki, Finland. 10-hour mixed-level course, [Formal Language Theory for Natural Language Processing](#).

October 2002, [German-Israeli Minerva School in Computational Linguistics](#), Blaubeuren, Germany. 10-hour introductory course, [Formal Language Theory for Linguists](#).

August 2003, [ESSLLI 2003: The 15th Summer School in Logic, Language and Information](#), Vienna, Austria. 10-hour graduate course, [Unification Grammars](#).

September 2003, [MT-Summit IX](#), New Orleans, LA. Tutorial, *Finite-State Technology and its Applications for Machine Translation*.

May 2004, [HLT/NAACL 2004](#), Boston, MA. Tutorial, *Finite-State Technology*.

May 2004, Department of Computer Science, University of Illinois, Urbana-Champaign. Tutorial, *Finite-State Technology*.

September 2004, [The 3rd International Ph.D. School in Formal Languages and Applications](#), Tarragona, Spain. 12-hour graduate course, *Unification Grammars*.

September 2005, [The 4th International Ph.D. School in Formal Languages and Applications](#), Tarragona, Spain. 12-hour graduate course, *Unification Grammars*.

November 2006, [The 5th International Ph.D. School in Formal Languages and Applications](#), Tarragona, Spain. 12-hour graduate course, *Unification Grammars*.

Spring 2007, [Language Technologies Institute, School of Computer Science, Carnegie Mellon University](#). 6-credit *Laboratory in Finite-state Technology*, with Kemal Oflazer.

October 2007, [NATO Advanced Study Institute: Advances in Language Engineering for Low- and Middle-Density Languages](#), Batumi, Georgia. Tutorial, *Language resources for Semitic languages*.

April 2008, [Erasmus Mundus Master course in Language and Communication Technology, Dept. of Artificial Intelligence, University of Malta](#). 30-hour graduate course, *Unification Grammars*.

August 2008, [ESSLLI 2008: The 20th Summer School in Logic, Language and Information](#), Hamburg, Germany. 10-hour graduate course, *Unification Grammars*.

October 2008, [Erasmus Mundus Master course in Language and Communication Technology, Dept. of Artificial Intelligence, University of Malta](#). 30-hour graduate course, *Unification Grammars*.

August 2011, [ESSLLI 2011: The 23rd Summer School in Logic, Language and Information](#), Ljubljana, Slovenia. 10-hour graduate course, *Formal Language Theory for Linguists*.

April 2012, [EAACL 2012](#), Avignon, France. Tutorial, *Computational Linguistic Approaches to Language Acquisition*.

September 2012, [ICGI 2012, the 11th International Conference on Grammatical Inference](#), College Park, MD. Tutorial, *Computational Linguistic Approaches to Language Acquisition*.

July 2016, [Sixth European Business Intelligence and Big Data Summer School \(eBISS 2016\)](#), Tours, France. Tutorial, *Computational Approaches to Translation Studies*.

December 2016, [26th International Conference on Computational Linguistics \(COLING 2016\)](#), Osaka, Japan. Tutorial, *Translationese: Between Human and Machine Translation*.

8.3 Supervision of Graduate Students

Student's Name	Title of Thesis or Research Project	Degree	Completed
Nurit Melnik	Inverted Constructions in Modern Hebrew	post-doc	2006
Yuval Krymolowski	Hebrew to English Machine Translation	post-doc	2007
Bracha Nir-Sagiv	Input-output Relations in Language Acquisition: A Computational Investigation	post-doc	2009
Noam Ordan	Translationese	post-doc	2013
Shai Cohen	Semantics and Pragmatics	post-doc	2013
Petter Haugereid	Grammar Engineering in HPSG	post-doc	2013
Yael Sygal	Mathematical and Computational Infrastructure for Grammar Engineering	Ph.D.	2010
Gennadi Lembersky	The Effect of Translationese on Statistical Machine Translation (2013 EAMT Best Thesis Award)	Ph.D.	2013
Ella Rabinovich	Computational Investigation of Translationese	Ph.D.	2018
Efrat Jaeger ¹	Unification Grammars and Off-line Parsability	M.Sc.	2002

¹With Nissim Francez, at the Department of Computer Science, the Technion

Yael Cohen-Sygal	Computational Implementation of Non-concatenative Morphology	M.Sc.	2004
Daniel Feinstein	Computational Properties of Unification Grammars	M.Sc.	2004
Shlomo Yona	Finite-State Morphological Analysis of Hebrew	M.Sc.	2004
Ezra Daya	Learning to Identify Semitic Roots	M.Sc.	2005
Danny Schaham	Hebrew Morphological Disambiguation	M.Sc.	2007
Amit Kirschenbaum	Lightly Supervised Transliteration for Machine Translation	M.Sc.	2009
Hassan Al-Haj	Hebrew multi-word expressions: Linguistic Properties, Lexical Representation, Morphological Processing and Automatic Acquisition	M.Sc.	2009
Yulia Tsvetkov	Extraction of Hebrew multi-word expressions	M.Sc.	2010
Sheli Kol ²	Towards a Computational Model of Early Syntactic Acquisition	M.Sc.	2011
Reshef Shilon ³	Hebrew-to-Arabic Syntax-based Machine Translation	M.A.	2011
Hadas Peled	Polynomially-parsable Unification Grammars	M.Sc.	2011
Hana Fadida ⁴	Automatic Extraction of Subcategorization Frames for Hebrew	M.Sc.	2012
Vered Volansky ⁵	The Features of Translationese	M.Sc.	2012
Shai Gretz ⁴	Syntactic Annotation of Hebrew CHILDES Corpora	M.Sc.	2013
Ehud Avner ⁶	Identifying Hebrew Translationese	Diplom	2013
Naama Twitto ⁵	Improving Statistical Machine Translation by Automatic Identification of Translationese	M.Sc.	2014
Kayla Jacobs ⁴	Hebrew Acronyms	M.Sc.	2014
Ilia Sominsky	Automatic Detection of Translation Direction	M.Sc.	In Progress
Gili Goldin	Native Language Identification with User-generated Content	M.Sc.	In Progress

²With Bracha Nir

³At the Department of Linguistics, Tel Aviv University

⁴With Alon Itai, at the Department of Computer Science, the Technion

⁵With Noam Ordan

⁶With Noam Ordan, at the University of Potsdam, Germany

Publications

A Ph.D. Dissertation

1. Shuly Wintner. An Abstract Machine for Unification Grammars. Ph.D. thesis, Technion, Israel Institute of Technology, Haifa, Israel, January 1997. 90 pages, in English, abstract in Hebrew. Advisor: Prof. Nissim Francez.

B Scientific Books

Authored Books

1. Nissim Francez and Shuly Wintner. Unification Grammars. Cambridge: Cambridge University Press (2012). 312 pages.
Reviewed in *Computational Linguistics* and *Theory and Practice of Logic Programming*.

Edited Books

1. Edit Doron and Shuly Wintner (Eds.), IATL 3: The Proceedings of the 11th Annual Conference and of the Workshop on Discourse. Jerusalem: The Israel Association for Theoretical Linguistics. 1996. 209 pages.
2. Mike Rosner and Shuly Wintner (Eds.), Proceedings of the ACL-2002 Workshop on Computational Approaches to Semitic Languages. Association for Computational Linguistics, 2002. 84 pages.
3. Gerhard Jäger, Paola Monachesi, Gerald Penn and Shuly Wintner (Eds.), Proceedings of FG-Trento 2002: The 7th Conference on Formal Grammar, 2002. 160 pages.
4. Shuly Wintner (Ed.), Proceedings of NLULP-02: The 7th International Workshop on Natural Language Understanding and Logic Programming. Datalogiske skrifter 92, Roskilde University, Computer Science Department, 2002. 119 pages.
5. Shuly Wintner (Ed.), Proceedings of FG-2006: The 11th Conference on Formal Grammar, Stanford: CSLI Publications, 2007. 202 pages.
6. Paola Monachesi, Gerhard Jäger, Gerald Penn and Shuly Wintner (Eds.), Proceedings of Formal Grammar 2004, Stanford: CSLI Publications, 2008. 168 pages.
7. Orna Grumberg, Michael Kaminski, Shmuel Katz and Shuly Wintner (Eds.), Languages: from Formal to Natural. Volume 5533 of Lecture Notes in Computer Science, Berlin and Heidelberg: Springer. 2009. 250 pages.

C Textbooks

1. Shuly Wintner. Introduction to Computer Science: C. Haifa: Pardes (2012). 216 pages, in Hebrew.

D Articles in Refereed Journals

1. Shuly Wintner and Uzzi Ornan. Syntactic Analysis of Hebrew Sentences. *Natural Language Engineering* 1(3):261-288, September 1996. Based on conference papers [F1](#), [F2](#) and [F2](#).
2. Shuly Wintner and Nissim Francez. Off-line Parsability and the Well-foundedness of Subsumption. *Journal of Logic, Language and Information* 8(1):1-16, January 1999.
3. Shuly Wintner and Nissim Francez. Efficient Implementation of Unification-based Grammars. *Journal of Language and Computation* 1(1):53-92, April 1999. Based on conference papers [F3](#) and [F4](#).
4. Shuly Wintner. Definiteness in the Hebrew Noun Phrase. *Journal of Linguistics* 36:319-363, 2000. Based on book chapter [E3](#) and conference papers [F6](#), [F7](#) and [F8](#).
5. Shuly Wintner. Modular Context-Free Grammars. *Grammars* 5(1):41-63, 2002. Extended and revised version of conference paper [F11](#).
6. Shuly Wintner and Anoop Sarkar. A Note on Typing Feature Structures. *Computational Linguistics*, 28(3):389-397, 2002. Revised version of conference paper [F12](#).
7. Shuly Wintner. On the Semantics of Unification Grammars. *Grammars* 6(2):145-153, August 2003. Revised version of conference paper [F10](#).
8. Shuly Wintner. Hebrew Computational Linguistics: Past and Future. *Artificial Intelligence Review* 21(2):113-138, 2004. Revised translation of book chapter [E5](#).
9. Erhard W. Hinrichs, W. Detmar Meurers and Shuly Wintner. Linguistic Theory and Grammar Implementation. *Research on Language and Computation* 2:155-163, 2004. Invited paper.
10. Judith Dror, Dudu Shaharabani, Rafi Talmon and Shuly Wintner. Morphological Analysis of the Qur'an. *Literary and Linguistic Computing* 19(4):431-452, 2004. Extended and revised version of conference paper [F16](#).
11. Efrat Jaeger, Nissim Francez and Shuly Wintner. Unification Grammars and Off-Line Parsability. *Journal of Logic, Language and Information*, 14:199-234, 2005. Extended and revised version of conference paper [F15](#).
12. Noam Ordan and Shuly Wintner. Representing Natural Gender in Multilingual Lexical Databases. *International Journal of Lexicography* 18(3):357-370, September 2005.
13. Yael Cohen-Sygal and Shuly Wintner. Finite-State Registered Automata for Non-Concatenative Morphology. *Computational Linguistics* 32(1):49-82, 2006. Extended and revised version of conference papers [F17](#) and [F23](#).
14. Noam Ordan and Shuly Wintner. Hebrew WordNet: A Test Case of Aligning Lexical Databases Across Languages. *International Journal of Translation, special issue on Lexical Resources for Machine Translation* 19(1):39-58, 2007.
15. Alon Itai and Shuly Wintner. Language Resources for Hebrew. *Language Resources and Evaluation* 42(1):75-98, March 2008.
16. Shlomo Yona and Shuly Wintner. A Finite-state Morphological Grammar of Hebrew. *Natural Language Engineering* 14(2):173-190, April 2008. Extended and revised version of conference papers [F21](#) and [F24](#).

17. Daniel Feinstein and Shuly Wintner. Highly Constrained Unification Grammars. *Journal of Logic, Language and Information* 17(3):345-381, July 2008. Extended and revised version of conference paper [F25](#).
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