RESUME: Prof. Emeritus NISSIM FRANCEZ

Former holder of Bank-Leumi chair in computer science

October 1, 2022

In 1991 I moved to research in computational linguistics and formal semantics of Natural Language. All activities related to this area are marked with '▷'. Around 2005 I expanded my research to proof-theoretic semantics and philosophical logic Paper related to this area are marked with '⊢'.

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Education:

(1976) Ph.D.: Dept. of Applied Mathematics (Computer Science), The Weizmann Institute of Science, Rehovot, Israel.
(1971) M.Sc.: Dept. of Applied Mathematics (Computer Science), The Weizmann Institute of Science, Rehovot, Israel.
(1965) B.Sc.: Depts. of Mathematics and Philosophy, The Hebrew University, Jerusalem, Israel.
(1965-69) Military Service.

Academic Appointments:

2010 (April) Professor Emeritus, Computer Science Dept., Technion
2007 (February-September) - ▷ Senior accademic visitor, School of Computer Science, St Andrews university.
2002 (April-September) - ▷ Senior accademic visitor, HCRC, dept. of Informatics, Edinburgh university.
2000 (January) - Holder of the "Bank Leumi" chair in Computer science.
1997 (March-October) ▷ Visiting scientist, CWI, Amsterdam
1996(July)-1997(March) ▷ Honorary visiting professor, Dept. of CS, Manchester Univ.
1992 (August) Visiting scientist, Dept. of Computer Science, University of Utrecht, The Netherlands.
1992 (July) ▷ Visiting scientist, CWI, Amsterdam
1991 (April)– 2010 (April) Professor, Computer Science Dept., Technion
1989-90 Visiting scientist, MCC, Austin, TX, USA.
1988 (summer only) Visiting scientist, Abo Academy, Turku, Finland.

1987	(summer only) Visiting scientist, MCC, Austin, TX, USA.
1986	(summer only) Summer faculty scientist, IBM-T.J.Watson Research Center, Yorktown Heights, N.Y., USA.
1985	(summer only) Summer faculty scientist, IBM-T.J.Watson Research Center, Yorktown Heights, N.Y., USA.
1984 (April)-	Associate Professor, Computer Science Dept., The Technion, Haifa, Israel
1982-83	World Trade visiting scientist, IBM-T.J.Watson Research Center, Yorktown Heights, N.Y., USA.
1981-82	(Summers only) Research associate, Aiken Computation Lab., Harvard University, Cambridge, Mass., USA.
1979-1983	Senior lecturer, Computer Science Dept., the Technion, Haifa, Israel.
1978-79	Lecturer, Computer Science Department, Technion, Israel.
1977-78	Assistant professor, Computer Science Dept., USC, Los Angeles, CA, USA.
1976-77	Research Associate, Queen's University, Belfast, Northern Ireland.
1973-76	Instructor, Computer Science Dept., Tel-Aviv University, Ramat-Aviv, Israel.
1970-73	Instructor, Computer Science Dept., Ben-Gurion University, Beer-Sheva, Israel.

Administrative Posts

Deparmental:

2002/03	Director of the Software Technology Lab (STL).
▷ 1996-2006	head of the Computational Linguistics Laboratory.
1991-92	Head of Curriculum Committee.
1984-1987	Director of the Distributed Computing Laboratory (jointly with EE dept.).
1984-1987	Director of Postgraduate Studies, Dept. of Computer Science.
1983-84	Head of Curriculum Committee.

University:

1996-98	University committee for lecturer's appointment.
1999-00	University committee for non-tenured staff appointment and promotion.
2004-2005	University committee for appointment and promotion of senior staff.

Other Academic Administration:

2004-2006: Academic promotion and Tenure committee, the Academic College of Tel Aviv Jaffa.

Teaching Experience:

1978-	Computer Science Department, Technion,Israel - semantics of programming languages, introduction to λ-calculus and typing, program verification, programming languages, compiler construction, automata and formal languages, compilation laboratory, software laboratory, concurrent and distributed programming.
▷ -	Type-Logical (Categorial) Grammars, Formal Semantics of natural language, Unification-based grammar-formalisms, Foundations of Logic Programming
1977-78	Department of Computer Science, USC- Programming Languages compiler construction, programming systems.
1973-76	Computer Science Department, Tel-Aviv University- PASCAL, FORTRAN, introduction to programming, computer organization, assembly programming.
1970-73	Computer science dept., Ben-Gurion University, Beer-Sheva, - FORTRAN programming, Compiler construction, Computer organization.

Grants:

1974.	The fund of aiding research, Histadrut, the Federation of Hebrew workers in Israel. Subject: *Properties of cyclic programs.*
1978-79	(with W.P.de Roever) NSF grant no. MCS 78-00673. Subject: *Strong correctness of Communicating Sequential Processes.*
1980.	Netherlands Organization for the advancement of pure Science (ZWO). Studying temporal properties of programs (fairness) in Utrecht University (with W.P. de Roever).
1981.	IBM-Israel research grant. Subject: *Proving temporal properties of programs.*
1981-82	(with E.M. Clarke), NSF grant no. MCS 81-05553. Subject: *Design and verification of concurrent systems.*
1984.	Netherlands Organization for the advancement of pure Science (ZWO). Studying the semantics of concurrent programs at the Center for Mathematics and Computer Science, Amsterdam (with J. de Bakker).
1985.	British Council foreign and commonwealth office award . Studying the implementation of Occam and the notion of fairness.
1986.	Italian National Research Council (CNR) Bilateral Scientists Exchange Visit Grant
1986-88	NCRD (National council for research and development) Subject: *Distributed Logic Programming* (with Oded Shmueli)
1990-1993	Israeli Academy of Science (Fund for basic research) Subject: *Program verification and semantics of programming languages.*
▷ 1993-1996	Israeli Ministry of Science Subject: *Programming-languages induced computational linguistics and a computational Hebrew grammar.*
▷ 1997	(with David Bree, Ian Pratt and Howard Barringer) UK EPSRC grant GR/L07529/01, *PROCESS SPECIFICATION USING NATURAL LANGUAGE.* Manchester University
▷ 2002	(with Mark Steedman) UK EPSRC grant GR/R82838/01, *Fundamentals of Computing.* Edinburgh University
▷ 1999-2002	Israeli Academy of Science (Fund for interdisciplinary research) Subject: *Semantics of Natural Language temporal questions and interfaces to temporal databases.*
▷ 2000-2003	Israel-USA binational foundation (BSF) Subject: Natural Logic (with Yoad Winter and Ed Keenan).
▷ 2006-2009	Israeli Academy of Science (ISF) Subject: *Lexicalized proof-theoretic semantics for natural language.*
▷ 2007	(with Roy Dyckhoff and James McKinna) UK EPSRC grant EP/D064015/1, *Lexicalized Proof-Theoretic Ser* University of st Andrews

Professional activities

Member:	ACM (SIGPLAN), IEEE Computer Society (affiliate), ▷ Assoc. Comp. Ling. (ACL), Assoc. for Logic Programming, ILLI, EATCS, ▷ Israeli association for theoretical linguistics *IATL.*

1995-96: Secretary-Treasurer of *IATL.*

Refereeing:	Acta Informatica, ACM-TOPLAS, ACM-TOCS, Computer Languages, CACM, Information and Computation (previously: and Control), IEEE transactions on Software Engineering, Information Processing Letters, International journal for

parallel programming, JACM, JCSS, Science of Computer Programming, Software, Software Practice and Experience, Theoretical Computer Science, J. of Logic and Information.
▷ Linguistics and Philosophy.
▷ Language and Computation.
▷ Grammars.
▷ Linguistic Analysis.
⊢ Review of Symbolic Logic (RSL)
⊢ Studia Logica
⊢ Journal of Philosophical Logic (JPL)
⊢ Semantics and Pragmatics
⊢ Logic and Computation
⊢ Synthese
⊢ Logica Universalis
Also, USA-NSF grant proposal refereeing.

Reviewing: Computing Reviews, Mathematical Reviews, Zentralblatt fur Mathematik.

Editorial boards: ▷ Language and Computation, Grammars
▷ Guest editor (with Ian Pratt-Hartmann): Special issue of *Studia Logica Logic and Natural Language*, 2011.

Program-Committees: ACM-PODC (principles of distributed computing):
Montreal, Canada, August 1983,
Calgary, Canada, August 1986,
Vancouver, Canada, August 1987.
IEEE- 7th international conference on Distributed Computing Systems, Berlin, September 1987.
CAAP (Colloquium on Trees in Algebra and Programming),
Pisa, March 1987.
Barcelona, March 1989.
The fifth Jerusalem conference on information technology, Jerusalem, October 1990.
CONCUR'92, Stony brook, NY, August 1992.
ISTCS (Israeli conference on theory of computing and systems)
Haifa, June 1992.
Netanya, June 1993.
▷ Int. coll. on Temporal Logic
▷ First int. coll. on Temporal Logic, Bonn, July 1994.
▷ Second int. coll. on Temporal Logic, Manchester, UK, July 1997.
▷ Third int. coll. on Temporal Logic, Leipzig, Germany, October 2000.
BISFAI'95 (Bar-Ilan symp. on foundations of AI) Ramat-Gan and Jerusalem, June 1995.
▷ int. workshop on inference in computational semantics (ICOS),
ICOS2, Dagstuhl, Germany, July 2000.
ICOS3, Siena, Italy, June 2001.
ICOS4, Nancy, France, September 2003.
ICOS5, Buxton, UK, April 2006.
▷ ESSLI2000 workshop on *Linguistic theory and grammar implementation*,
Birmingham, UK, August 2000.
▷ Mathematics of Language (MOL)
MOL 7, Helsinki, August 2001.
MOL 8, June 2003, Bloomington, Indiana, USA.
MOL 10, August 2005, Ediburgh, UK (jointly with FG).
▷ 7th int. conf. on Natural Language Understanding and Logic Programming (NLULP), Copenhagen, July 2002.
▷ AISB02 symposium on *Representing time in natural language*,

Imperial College, London, April 2002.
— Workshop cancelled!

▷ 6th workshop on Semantics and pragmatics of Dialogue (EDILOG02),
Edinburgh, September 2002.

▷ ESSLLI07 summer school: program committee of *Logic and Language*.

▷ ESSLLI07 summer school: program committee of workshop on
New Directions in Type-theoretic Grammars (NDTTG 2007).

▷ Formal Grammar:
FG06, Malaga, Spain, August 2006.
FG07, Dublin, Ireland, August 2007.
FG08, Hamburg, Germany, August 2008.
FG09, Bordeaux, France, August 2009.
FGl0, Copenhagen, Denmark, August 2010.
FG11, Ljublijana, Slovenia, August 2011.
FG12, Opole, Poland, August 2012.
FG13, DSSELDORF, Germany, 2013
FG14, Tuebingen, Germany, august 2014.
FG15, Barcelona, Spain, August 2015.
FG16, Bolzano, Italy, August 2016.
FG17, Toulouse, France, August 2017.
FG18, Sofia, Bulgaria, August 2018.
FG19, Riga, Latvia, August 2019.
FG20, Utrecht, The Netherlands, August 2020.

International Conference on Language and Automata Theory and Applications (LATA 2014).

▷ NLCS15 Natural Language and Computer Science, Kyoto, Japan, July 2015.

▷ Member of the Prize-committee of the Beth (FOLLI) Dissertation Award
2000, 2002-2011,

▷ Lambda Calculus, Type Theory and Natural Language (LCTTNL),
Kings College, London, September 12, 2005.

▷ SOFSEM 2006 (32nd Conference on Current Trends in
Theory and Practice of Computer Science),
January 21 - 27, 2006, Hotel VZ MERIN, Czech Republic.

▷ Amsterdam Colloquium, December 2005.

▷ ACL 2010, workshop on *Mathematical Linguistics and Grammatical Formalisms*,
Uppsala, Sweden, July 2010.

▷ TIME 2010, Paris, September 2010.

▷ Logical Aspects of Computational Linguistics (LACL),
2012, Nantes, France.
2014, Toulouse, France
2016, Nancy, France
2021, Online

▷ SALT (Semantics and Linguistic Theory):
Austin, TX, May 2016
U. of Maryland, May 2017
MIT, May 2018
Cornell U., April 2020
Brown University, May 2021

▷ Semantics and Philosophy in Europe 11,
September 2019, University of Warsaw

▷ Non-Classical Logics. Theory and Applications X,
26-28 September 2020, Łodz, Poland

▷ 7th Workshop on Connexive Logics, Mexico city, October 26-28, 2022.

Publications:

Theses:

PH.D The specification and verification of cyclic (sequential and concurrent) programs. Weizmann institute of Science, Rehovot, Israel, June 1976.
Thesis advisor: Prof. Amir Pnueli.

Books:

1. **FAIRNESS** - in the *Texts and monographs in computer science* series (D. Gries, series editor), Springer-Verlag, New York, August 1986.
2. **PROGRAM VERIFICATION** - Addison Wesley, October 1992.
3. **Interacting Processes: A multiparty approach to coordinated distributed programming** - Addison-Wesley, January, 1996 (with Ira R. Forman).
4. ▷ **Unification Grammars**, Cambridge University Press, 2011 (with Shuly Wintner).
5. ⊢ **Proof-theoretic Semantics**, College Publications, October 2015.
6. ⊢ **A view of Connexive Logics**, College Publications, June 2021.

In Hebrew:

4. **FORTRAN - theory and practice** (with Gideon Amir), Ben-Gurion university, 1972; for many years the standard textbook for introduction to programming.
5. **Automata and formal languages** (with Shmuel Zaks), an *Open University* text book, 1987.

Journals

1. N. Francez, G. Slutzki: "On the non-compactness of the class of program schemas", IPL, 2, 1974, pp. 141-142.
2. N. Francez, B. Klebanski, A. Pnueli: "Backtracking in recursive computations", *Acta Informatica* 8, 1977, pp. 125-144.
3. N. Francez: "Another advantage of keyword notation for parameter communication with subprograms", *CACM* 20, 8, 1977, pp. 604-605.
4. N. Francez: "A case for a forward predicate transformer", *IPL* 6, 6, 1977, pp. 196-198.
5. N. Francez, A. Pnueli: "A proof method for cyclic programs", *Acta Informatica* 9, 1978, pp. 133-157.
6. N. Francez: "An application of a method for analysis of cyclic programs" *IEEE-TSE* SE-4, 5, 1978, pp. 371-378.
7. N. Francez, C.A.R. Hoare, D.J. Lehmann, W.P. deRoever: "Semantics of nondeterminism, concurrency and communication", *JCSS* 19, 3, 1979, pp. 290-308.
8. N. Francez: "Distributed termination", *ACM-TOPLAS* 2, 1, 1980, pp. 42-55.
9. K.R. Apt, N. Francez, W.P. deRoever: "A proof system for Communicating Sequential Processes", *ACM-TOPLAS* 2, 3, 1980, pp. 359-385.
10. N. Francez, M. Rodeh: "Achieving distributed termination without freezing", *IEEE-TSE* SE-8, 3, 1982, pp. 287-292.

11. TZ. Elrad, N. Francez: "Decompositions of distributed programs into communication closed layers", *SCP* 2, 1982, pp. 155-173.

12. N. Francez: "Extended naming conventions for communicating processes", *SCP* 3, 1983, pp. 101-114.

13. S. Porat, N. Francez, S. Moran, S. Zaks: "Fair derivations in context-free grammars", *Information and Control* 55, 1-3, 1982, pp. 108-116.

14. N. Francez: "Product properties and their direct verification", *Acta Informatica* 20, 1983, pp. 329-344.

15. TZ. Elrad, N. Francez: "Weakest precondition semantics for communicating processes", *TCS* 29 , 3, April 1984, pp. 231-250.

16. K.R. Apt, N. Francez: "Modeling the distributed termination convention in CSP", *ACM-TOPLAS* 6, 3, July 1984, pp. 370-379.

17. N. Francez, D. Lehmann, A. Pnueli: "A linear history semantics for languages for distributed computing", *TCS* 32, 1984, pp. 25-46.

18. A.P. Sistla, E.M. Clarke, N. Francez, A.R. Meyer: "Can message buffers be axiomatized in linear temporal logic?", *Information and Control* 63, 1984, pp. 88-112.

19. N. Francez, S. Yemini: "A fully abstract and composable inter-task communication construct", *ACM-TOPLAS* 7,4, October 1985, pp. 622-636.

20. O. Grumberg, N. Francez, J.A. Makovsky, W.P. deRoever: "A proof rule for fair termination of guarded commands", *Information and Control* 66, 1/2, July/August 1985, pp. 83-102.

21. N. Francez, B. Hailpern, G. Taubenfeld: "SCRIPT- a communication abstraction mechanism and its verification", *SCP* 6, 1: 35-88, January 1986.

22. O. Grumberg, N. Francez, S. Katz: "A complete proof rule for equifair termination", *JCSS* 33, 3: 313-332, December 1986.

23. N. Francez, S. Katz: "Fairness and the axioms of control predicates", *Int. J. of Parallel Programming* 16,4, 1987.

24. **Invited:** K. R. Apt, N. Francez, S. Katz: "Appraising fairness in distributed languages", *Distributed Computing* 2: 226 -241, August 1988.

25. R. Rinat, N. Francez, O. Grumberg: "Infinite trees, markings and well-foundedness", *Information and Computation* 79, pp. 131 - 154, 1988.

26. S. Porat, N. Francez: "Fairness in context-free grammars under every choice strategy", *Information and Computation* 80, pp. 249 - 268, 1989.

27. N. Francez: "Cooperating proofs of distributed programs with multiparty interactions", *IPL* 32, pp. 235 - 242, September 22, 1989.

28. M. Evangelist, N. Francez, S. Katz: "Multiparty interactions for interprocess communication and synchronization", *IEEE-TSE* SE15, 2, pp. 1417 - 1426, November 1989.

29. N. Francez, R.-J. R. Back, R. Kurki-Suonio: "On the equivalence-completion of fairness assumptions", *Formal Aspects of Computing* 4(6), pp. 582-591, 1992.

30. P. Attie, N. Francez, O. Grumberg: "Fairness and Hyperfairness in multiparty interactions", *Distributed Computing* 6, pp. 245-254, 1993.

31. Limor Fix, Nissim Francez, Orna Grumberg: "Program Composition via Unification", *Theoretical Computer Science* 131,1, Aug. 1994, pp. 139 – 179.

32. S. Porat, N. Francez: "Fairness in term rewriting systems", *Methods of Logic in Computer Science* 2, 1, pp. 141-182, 1994.

33. ▷ Shalom Lappin, Nissim Francez, "E-type pronouns, I-sums, and Donkey anaphora", *Linguistics and Philosophy* 17, pp. 391-428, 1994.

34. Y. Shemesh, N. Francez: "Finite-state unification automata and relational languages", *Information and Computation* 114, pp. 192-213, November 1994.

35. Michael Kaminski, Nissim Francez: "Finite memory automata", *TCS* 134, 2, pp. 329 - 364, November 1994.

36. ▷ Nissim Francez: "Contrastive Logic", *The buletin of the interest group in pure and applied logic* 3, 5, August 1995.

37. ▷ Ranni Nelken, Nissim Francez, *Splitting the reference time: The analogy between nominal and temporal anaphora revisited*, *J. of Semantics* 14, 4, pp. 369-416, November 1997.

38. S. Sagiv, N. Francez, M. Rodeh, R. Wilhelm: *A logic-based approach to data-flow analysis problems*, *Acta Informatica* 35, 6, June 1998, pp. 457-504.

39. ▷ Shuly Wintner, Nissim Francez, *Off-line parsability and the well-foundedness of subsumption*, *J. of Logic, Language and Information*, 8, 1: 1-16, January 1999.

40. Rachel Ben-Eliyahu, Nissim Francez, Michael Kaminski, *Similarity preservation in Default Logic*, *Annals of mathematics and artifial intelligence* 25, 1999, pp. 137-160.

41. ▷ Shuly Wintner, Nissim Francez, *Efficient implementation of unification-based grammars*, *Language and Computation* 1, 1, April 1999.

42. ▷ Rani Nelken, Nissim Francez, *The Algebraic Semantics of interogative NPs Grammars* 3, 2-3, 2000, pp. 259-273; a special issue of *Grammars*, based on *Mathematics of Language (MOL) 6*, Orlando, FL, USA, July 1999.

43. ▷ Ian Pratt, Nissim Francez, *On the semantics of temporal prepositions and preposition phrases*, *Linguistics and Philosophy* 24, 2, pp. 187-222, April 2001.

44. ▷ Rani Nelken, Nissim Francez, *Bilattices and the Semantics of Natural Language Questions*, *Linguistics and Philosophy* 25 (1): 37-64, February 2002.

45. ▷ Yaroslav Fyodorov, Yoad Winter, Nissim Francez, *Order-based inference in natural logic*, Logic Journal of the IGPL 11, 4, July 2003 (Special issue of ICOS2).

46. Nissim francez, Michael Kaminski, *An algebraic characterization of deterministic regular languages over infinite alphabets*, *Theoretical Computer Science*, 306:1-3, September 2003, pp. 155-175.

47. ▷ Efrat Yaeger, Nissim Francez, Shuly Wintner, *Unification Grammars and Off-line Parsability*, *Journal of Logic, Language and Information (JOLLI)* 14, pp. 199-234, 2005.

48. Ron Artstein, Nissim Francez, *Plurality and Temporal Modification*, *Linguistics and Philosophy* 29, 3, pp. 251-276, June 2006.

49. ▷ Anna Zamansky, Nissim Francez, Yoad Winter, *A 'natural logic' inference system using the Lambek calculus*, *J. of Logic, Language and Information (JOLLI)* 15:3, pp. 273-295, September 2006.

50. ▷ Tatyana Veksler and Nissim Francez, *A Lambek-Automaton*, in a special issue "Logic & CS at TAU" of the Logic journal of IGPL (Nachum Dershowitz, Arnon Avron and Alexander Rabinowich, eds.), September 2006.

51. ▷ Nissim Francez, Mark Steedman, *Categorial grammar and the semantics of Contextual Preposition Phrases*, *Linguistics and Philosophy* 29(4), August 2006, pp. 381-417.

52. ▷ Nissim Francez, Michael Kaminski, *Commutation-Extended Pregroup Grammars and Mildly Context-Sensitive Languages*, *Studia Logica* 87: Special issue of *Categorial Grammar and Pregroups*, (W. Buszkowski and A. Preller, eds.), pp. 295-321 2007.

53. ▷ Nissim Francez, Michael Kaminski, *Commutation-augmented pregroup grammars and push-down automata with cancellation*, *Information and Computation 206, pp. 1018-1032, 2008*, Special issue, papers from 1st International Conference on Language and Automata Theory and Applications (LATA 2007).

54. ⊢ Sharon Shoham, Nissim Francez, *Game semantics for the Lambek calculus: capturing directionality and the absence of structural rules*, *Studia Logica*, 90, 2008, pp. 161-188.

55. ⊢ Nissim Francez, Roy Dyckhoff, Gilad Ben-Avi, *Proof-theoretic semantics for subsentential phrases*, *Studia Logica* 94, pp. 381-401, April 2010.
DOI: 10.1007/s11225-010-9241-y

56. Tamar Aizikowitz, Nissim Francez, Daniel Genkin, Michael Kaminski, *Extending free pregroups with lower bounds*, DOI: 10.1007/s11225-010-9264-4

57. ⊢ Nissim Francez, Roy Dyckhoff, *A Proof-Theoretic Semantics for a fragment of natural language*, *Linguistics and Philosophy*, 33(6),pp. 447-477, 2011.

58. ⊢ Nissim Francez, Gilad Ben-Avi, *Proof-Theoretic Semantic Values for Logical Constants*, *Review of Symbolic Logic* 4, 2, June 2011.

59. ▷ Nissim Francez, *When are two different type-logical semantic definitions defining equivalent meanings?*, *Journal of Computer and System Sciences* 78, pp. 960-969, 2012,

60. ⊢ Nissim Francez, Roy Dyckhoff, *A Note on Harmony*, *Journal of Philosophical Logic* 41 (3), pp. 613-628, 2012.

61. ⊢ Nissim Francez, *Bilateralism in proof-theoretic semantics*, *Journal of Philosophical Logic*, 43 (2-3), pp. 239-259, 2014. DOI 10.1007/s10992-012-9261-3

62. Michael Kaminski, Nissim Francez, *Relational Semantics of the Lambek Calculus Extended with Classical Propositional Logic*, *Studia Logica* 102, pp.479497, DOI: 10.1007/s11225-013-9474-7, 2014.

63. ⊢ Nissim Francez, *Harmony in multiple-conclusions natural-deduction*, *Logica Universalis* 8 (2), 2014, pp. 215259. DOI 10.1007/s11787-014-0103-7.

64. ⊢ Nissim Francez, *Bilateral Relevant Logic*, *Review of Symbolic Logic* 7 (2), pp. 250-272, 2014. DOI:10.1017/S1755020314000082

65. ⊢ Nissim Francez and Gilad Ben-Avi, *A proof-theoretic reconstruction of generalized quantifiers*, *Journal of Semantics* 32 (3), pp. 313-371, 2015, DOI:10.1093/jos/ffu001.

66. ⊢ Nissim Francez, *A Logic Inspired by Natural Language: Quantifiers As Subnectors*, *Journal of Philosophical Logic Logic* 43 (2), pp. 11531172, DOI 10.1007/s10992-014-9312-z, 2014.

67. ⊢ Nissim Francez, *Proof-Theoretic Semantics for contextual domain restriction*, *J. of Language Modelling* 2 (2), pp. 249-283, 2014.

68. ⊢ Nissim Francez, *On the notion of canonical derivations from open assumptions and its role in proof-theoretic semantics*, *Review of Symbolic Logic (RSL)*, 8 (2), pp. 296-305, 2015 (doi:10.1017/S1755020315000027).

69. ⊢ Nissim Francez, *On a distinction of two facets of meaning and its role in proof-theoretic semantics*, *Logica Universalis* 9, pp. 121-127, DOI 10.1007/s11787-015-0118-8, 2015.

70. Michael Kaminski, Nissim Francez, *The Lambek calculus extended with intuitionistic propositional logic*, *Studia Logica*, First online March 2016.

71. ⊢ Nissim Francez, *A Proof-Theoretic Universal Property of Determiners*, *Journal of Applied Logic*, 13 (4), pp. 799-808, 2015. DOI 10.1016/j.jal.2015.009,001

72. ⊢ Nissim Francez, *Relevant Harmony*, *Journal of Logic and Computation*, 26 (1), pp. 235-245, 2016. Special issue *Logic: Between Semantics and Proof Theory* (a workshop in honour of Arnon Avrons 60th birthday, 12 November 2012, Tel-Aviv), doi:10.1093/logcom/ext026 (2013).

73. ⊢ Nissim Francez, *Views of proof-theoretic semantics: Reified proof-theoretic meanings*, *Journal of Logic and Computation*, 26 (2), pp. 479-494. Special issue in honour of Roy Dyckhoff, April 2016. DOI 10.1093/logcom/exu035 (2014).

74. ⊢ Nissim Francez, *Proof-Theoretic Semantics for intensional transitive verbs*, *Journal of Semantics*, 33 (4), pp. 803-826, November 2016. doi: 10.1093/jos/ffv013, 2016.

75. ⊢ Nissim Francez, *Natural-deduction for two connexive logics*, *IFCoLog Journal of Logic and its Applications*, 3 (3), 2016, pp. 479-504.
Special issue on *Connexive Logic*.

76. ⊢ Nissim Francez, *Proof-theoretic semantics for adjectival modification*, *Journal of Logic, Language and Information*, doi 10.1007/s10849-016-9245-8, 2016.

77. ⊢ Nissim Francez, *On harmony and permuting conversions*, *Journal of applied logic (JAL)*, 21, pp. 14-23, 2017. http://dx.doi.org/10.1016/j.jal.2016.12.004.

78. ⊢ Nissim Francez, *On semi-fusions and semi-negations*, *South-American journal of Logic (SAJL)*, 2 (1), pp. 109-118, 2016.

79. ⊢ Nissim Francez, *A proof-theoretic semantics for adjectival modification*, *Journal of Logic, Language and Information* 26 (1), pp. 21-42, 2017. DOI 10.1007/s10849-016-9245-8.

80. ⊢ Nissim Francez, Bartosz Wieckowski, *A proof-theory for first-order logic with definiteness*, *IFCoLog Journal of Logic and its Applications*, 4 (2), pp. 313-332, March 2017.
Special issue with papers from the workshop *Hilbert's Epsilon and Tau in Logic, Informatics and Linguistics*, Montpellier, 2015. Guest editors: Stergios Chatzikyriakidis, Fabio Pasquali and Christian Retore.

81. ⊢ Nissim Francez, *On distinguishing proof-theoretic semantics from derivability*, *Logique et Analyse*, 60 (238), pp. 151-166, June 2017.
doi: 10.2143/LEA.238.0.3212070

82. ⊢ Nissim Francez and Michael Kaminski, *Proof-theoretic semantics for exclusion*, *Logica Universalis 11*, pp. 489-5052017, DOI 10.1007/s11787-017-0179-y, 2017.

83. ⊢ Nissim Francez, *Does the implication elimination rule need a minor premise?*, *Logic and Logical Philosophy*, 27 (3), pp. 351-373, 2018. DOI: 10.12775/LLP.2017.019

84. ⊢ Nissim Francez, *Diversification of object languages for propositional logics*, *Journal of Logic, Language and Information (JOLLI)*, DOI 10.1007/s10849-018-9266-6, 2018.

85. ⊢ Nissim Francez, *Bilateralism does provide a proof theoretic treatment of classical logic (for non-technical reasons)*, *Journal of Applied Logics - the ifColog Journal of logics and their applications*, 2018.

86. ⊢ Nissim Francez, *Bilateralism, Trilateralism, Multilateralism and Poly-Sequents*, *Journal of Philosophical Logic*,48(2) , pp. 245-262, 2019, doi 10.1007/s10992-018-9464-3

87. ⊢ Nissim Francez, *On Beall's new interpretation of WK_3*, *Journal of Logic, Language and Information (JOLLI)* 28(1), pp. 1-7, 2019. DOI 10.1007/s10849-018-9274-6.

88. ⊢ Nissim Francez and Michael Kaminski, *Structural rules for multi-valued logics*, *Logica Universalis*, 13(1), pp. 65-75, 2019. DOI 10.1007/s11787-019-00219-z

89. ⊢ Nissim Francez, *Relevant connexive logic*, *Logic and Logical Philosophy*, 28(3), special issue on connexive logics, pp. 409-425, 2019. DOI: 10.12775/LLP.2019.007

90. ⊢ Nissim Francez and Michael Kaminski, *Transparent truth-value predicates in multi-valued logics*, *Logique et Analyse*, 62(245), pp. 45-71, 2019.

91. ⊢ Nissim Francez, *A poly-connexive logic*, *Logic and Logical Philosophy*, 2019. DOI: 10.12775/LLP.2019.022

92. ⊢ Nissim Francez, *Another plan for negation*, *Australasian journal of logic*, 16(5), pp. 159-176, 2019.

93. ⊢ Nissim Francez and Michael Kaminski, *On poly-logistic natural-deduction for finitely-valued propositional logics*, 6 (2), pp. 255-287, *J. of Applied Logic*, special issue dedicated to ISRALOG2017, 2019. doi: 10.2143/LEA.245.0.3285705

94. ⊢ Nissim Francez, *A poly-connexive logic*, *Logic and Logical Philosophy*, 29(1), pp. 143-157, 2020. DOI: 10.12775/LLP.2019.022

95. ⊢ Nissim Francez, *A proof-theoretic semantics for parametric logical constants*, *Logique et Analyse*, 62(247), pp. 225-24, 2019.

96. ⊢ Nissim Francez, *Connexive restricted quantification*, *Notre Damme Journal of Formal Logic*, 61(3), pp. 383-402, 2020. DOI: https://doi.org/10.1215/00294527-2020-0015

97. ⊢ Michael Kaminski and Nissim Francez, *De Morgan interpretation of the Lambek-Grishin calculus*, Review of Symbolic Logic 13 (4), pp.845-856, 2020. DOI: https://doi.org/10.1017/S175502031900011X

98. ⊢ Nissim Francez, *Proof-Theoretic Semantics for natural language*, TOPOI, 40 (1), pp 55-69, 2021. Special issue on Foundational issues in philosophical semantics, Carlotta Pavese and Andrea Iacona, eds. DOI 10.1007/s11245-019-09662-5

99. ⊢ Nissim Francez, *Bilateralism based on corrective denial*, *Journal of Applied Logic*, 8 (2), pp. 497-509, 2021. Special Issue, *Assertion and Proof*, Guest Editors: Massimiliano Carrara, Daniele Chiffi and Ciro De Florio.

100. ⊢ Nissim Francez, *On the role of Aristotle's connexive axioms in non-connexive logics*, *Journal of Applied logics*, 8(3), pp. 659-670, April 2021.

101. ⊢ Michael Kaminski and Nissim Francez, *Calculi for Many-Valued Logics*, *Logica Universalis* 2021, DOI: https://doi.org/10.1007/s11787-021-00274-5.

102. ⊢ Nissim Francez, *Logical grounding: the case of 'if-then-else'*, *Theoria*, 87(5), pp. 1175-1192, 2021. DOI:10.1111/theo.12336

103. ⊢ Nissim Francez, *Proof-Theoretic Semantics as a resource for expressing semantic variability*, *Synthese*, 200(294), pp. 1-27, doi.org/10.1007/s11229-022-03780-1, 2022.

104. ⊢ Nissim Francez, *A generalization of falsity in finitely-many valued logics*, Fundamenta Informaticae 186 (1-4) (special issue in honor of Trakhtenbrot centenary), pp. 121-132, 2022. DOI 10.3233/FI-222121

105. ⊢ Nissim Francez, *Poly-Connexivity: connexive conjunction and disjunction*, *Notre Damme Journal of Formal Logic*, 63(3), pp. 343-355, 2022. DOI: 10.1215/00294527-2022-0024

Accepted for publication:

106. ⊢ Nissim Francez, *Phrasal coordination relatedness logic*, *Logic and Logical Philosophy (LLP)* special issue Relating Logic and Relating Semantics. 2022.

107. ⊢ Nissim Francez, *A glimpse into higher-order connexive logics*, *Logique et analyse*, 2022. **Refereed**

Book Chapters:

108. ⊢ Nissim Francez, Bartosz Wieckowski, *A proof-theoretic semantics for contextual definiteness Second Pisa Colloquium in Logic, Language and Epistemology*, Enrico Moriconi and Laura Tesconi, Eds, ETS, Pisa, 2014.

109. ⊢ Nissim Francez and Michael Kaminski, *Truth-value constants in multi-valued logics.* In: *Peter Schroeder-Heister on Proof-Theoretic Semantics*, Thomas Piecha and Kai Wehmeier, eds., Springer, 2021.

Proceedings of Refereed Conferences

(NOTE: entries marked with '&' appeared also in an extended version as journal publications or in another form.)

1. & N. Francez, A. Pnueli: "A proof method for cyclic (sequential and concurrent) programs", proceedings of the international conference on parallel processing, Wayne State University, MI, August 1976.

2. & N. Francez, C.A.R. Hoare, W.P. de Roever: "Semantics of nondeterminism, concurrency and communication", proceedings of the 7th Mathematical Foundations of Computer Science (MFCS) symposium, Zakopane, Poland, September 1978. In: LNCS 64 (J.Winkovski-ed.), Springer Verlag, 1978.

3. & N. Francez: "On achieving distributed termination", proceedings of the international symposium on semantics of concurrent computations, (EATCS), Evian, France, July 1979. In: LNCS 70 (G.Kahn-ed.), Springer Verlag, 1979.

4. & N. Francez, D. Lehmann, A. Pnueli: "A linear history semantics for distributed languages", proceedings of the 21th symposium on the Foundations of Computer Science (FOCS), Syracuse, NY, October 1980.

5. N. Francez, M. Rodeh: "A distributed abstract data type implemented by a probabilistic communication scheme", proceedings of the 21th symposium on the Foundations of Computer Science (FOCS), Syracuse, NY, October 1980.

6. L. Shrira (Popilski), N. Francez: "An experimental implementation of CSP", proceedings of the 2nd international conference (IEEE) on Distributed Computing Systems, Paris, France, April 1981.

7. N. Francez, M. Rodeh, M. Sintzoff: "Distributed termination with interval assertions", proceedings of the international colloquium on formalization of programming concepts (EATCS), Penniscula, Spain, April 1981. In: LNCS 107 (J.Diaz-ed.), Springer Verlag, 1981.

8. & O. Grumberg, N. Francez, J.A. Makovsky, W.P. de Roever: "A proof rule for fair termination of guarded commands", proceedings of the international symposium on Algorithmic Languages (IFIP),Amsterdam, The Nethelands, October 1981. In: Algorithmic Languages (J.W. de Bakker, J-C van Vliet-eds.), North-Holland 1981.

9. & N. Francez: "Extended naming conventions for communicating processes", proceedings of the 9th ACM symposium on principles of programming languages (POPL), Albuquerque, AZ, January 1982.

10. & Tz. Elrad, N. Francez: "Weakest precondition semantics for communicating processes", proceedings of the 5th international symposium on programming, Torino, Italy, April 1982. In: LNCS 137 (M.Dezani-Ciancaglini, U.Montanary-eds.), Springer-Verlag, 1982.

11. & A.P. Sistla, E.M. Clarke, N. Francez, J. Gurevich: "Can message buffers be characterized in linear Temporal Logic?", proceedings of the 1st annual ACM SIGACT-SIGOPS conference on principles of distributed computing (PODC), Ottawa, Canada, August 1982.

12. C. Nikolaou, E.M. Clarke, N. Francez, S.A. Shumann: "A methodology for verifying request processing protocols", proceedings of the ACM-SIGCOM 83 symposium on communications, architectures and protocols, Austin, Tx, March 1983. In: Computer Communications Review 3, 1983.

13. & O. Grumberg, N. Francez, S. Katz: "A complete proof rule for strong equifairness", proceedings of the 2nd workshop on logics of programs, CMU, Pittsburgh, June 1983, LNCS 164 (D.Kozen,E.M.Clarke-eds.), Springer Verlag 1984.

14. L. Shrira, N. Francez, M. Rodeh: "Distributed k-selection: from a sequential to a distributed algorithm", proceedings of the 2nd annual ACM SIGACT- SIGOPS conference on principles of distributed computing (PODC), Montreal, Canada, August 1983.

15. & N. Francez, B.T. Hailpern: "SCRIPT- a communication abstraction mechanism", proceedings of the 2nd annual ACM SIGACT-SIGOPS conference on principles of distributed computing (PODC), Montreal, Canada, August 1983.
Reprinted: ACM - Operating Systems Review 19, 2, April 1985.

16. N. Francez, D. Kozen: "Generalized fair termination", proceedings of the 11th annual ACM symposium on principles of programming languages (POPL), Salt Lake City, UT, January 1984.

17. O. Grumberg, N. Francez, S. Katz: "Fair termination of communicating processes", proceedings of the 3rd ACM SIGACT-SIGOPS conference on principles of distributed computing (PODC), Vancouver, Canada, August 1984.

18. & G. Taubenfeld, N. Francez: "Proof rules for communication abstractions", proc. 3rd FCT-TCS conference, Bangalore, India, December 1984. In: LNCS 181 (eds.: M.Joseph, R. Shyamasundar), Springer Verlag 1984.

19. & S. Porat, N. Francez: "Fairness in context-free grammars under canonical derivations", Proc of the second symp. on theoretical aspects of computer science (STACS 85), Saarbrucken, January 1985. .in: LNCS 182 (ed.: K. Melhorn), Springer-Verlag 1985.

20. N. Francez, S. Goldenberg, R.Y. Pinter, M. Tiomkin, S. Tzur: " A programming environment for Logic Programming", proc. ACM SIGPLAN conference on programming languages and programming environments, Seattle, June 1985.

21. N. Francez, O. Grumberg, S. Katz, A. Pnueli: "Proving termination of Prolog programs", proc. 3rd Logics of Programs workshop, August 1985. In: LNCS 193 (ed. Rohit Parikh), Springer-Verlag, 1985.

22. & S. Porat, N. Francez: "Fairness in Term Rewriting Systems", proc. of 1st int. conf. on Rewriting and applications, Dijon, May 1985. In: LNCS 202 (Jean-Pierre Jouannaud - ed.), Springer Verlag, 1985.

23. & R. Rinat, N. Francez, O. Grumberg: "Infinite trees, markings and well-foundedness", proc. 11th colloquium on trees in algebra and programming (CAAP'86), Nice, France, March 1986. In: LNCS 214 (P. Franchi-Zannettacci, ed.), Springer Verlag, 1986.

24. N. Shavit, N. Francez: "A new approach to detection of locally indicative stability ", proc. of to the 13th ICALP, Rennes, France, July 1986. In: LNCS 226 (L. Kott-ed.), Springer Verlag, 1986.

25. & S. Porat, N. Francez: "Full commutation and fair termination in equational (and combined) term rewriting systems", proc. of the 8th international conference on automatic deduction (CADE-8), Oxford, England, July 1986. In: LNCS 230 (J.H. Siekmann-ed.), Springer Verlag, 1986.

26. & K. R. Apt, N. Francez, S. Katz: "Appraising fairness in distributed languages", Proc. of 14th ACM-POPL, Munich, Germany, January 1987.

27. L. Bouge, N. Francez: "A compositional approach to superimposition", proc. 15th ACM-POPL, San Diego, CA, January 1988.

28. A. Rahat, N. Francez, O. Shmueli: "SDP-Sequential, distributed Prolog", in proceedings of the IFIP WG 10.1 workshop on *Concepts and characteristics of declarative systems.* Budapest, October 1988. North-Holland, 1990 (editors: G. David, R.T Boute, B.D. Shriver).

29. S. Sagiv, O. Edelstein, N. Francez, M. Rodeh, "Resolving the circularity in attribute grammars with applications to data flow analysis", proc. 16th ACM-POPL, Austin, Tx, January 1989.

30. & P. Attie, N. Francez, O. Grumberg: "Fairness and Hyperfairness in multiparty interactions," Proc. 14th ACM-POPL, San-Francisco, CA, January 1990.

31. N. Francez, Ira. R. Forman: "Conflict propagation", Proceedings of the IEEE Computer Society international conference on computer languages (ICCL'90), New Orleans, LA, March 12-15, 1990.

32. L. Fix, N. Francez, O. Grumberg: "Semantics-driven decompositions for the verification of distributed programs", Proceedings of the IFIP TC2 working conference, Genosar, Israel, April 1990. **Programming concepts and methods,** (M. Broy, C.B. Jones, eds.), North-Holland, 1990.

33. **Invited:** Nissim Francez, Ira R. Forman: "Interacting Processes: A language for coordinated distributed programming", 5th Jerusalem conference on information technology (JCIT), IFIP, Jerusalem, October 1990.

34. Nissim Francez, Ira R. Forman: "Superimposition for interacting processes", CONCUR 90, Amsterdam, August 1990. LNCS 458 (J.C.M. Baeten, J.W. Klopp, eds.), Springer-Verlag, 1990.

35. & Michael Kaminski, Nissim Francez, *Finite-memory automata*, proc. 31th *IEEE symp. on foundations of computer science (FOCS)*, 1990.

36. A. Rahat, N. Francez, O. Shmueli: "On the equivalence of Deferred-substitution and immediate substitution semantics for logic programs", The European workshop on Logics and AI (JELIA '90), Amsterdam, September 10 - 14, 1990. LNCS 478 (J. van Eijck, ed.), Springer-Verlag, 1991.

37. & S. Sagiv, N. Francez, M. Rodeh, R. Wilhelm: *A logic-based approach to data-flow analysis problems*, Programming languages and Logic Programming workshop (PLILP'90), Linkoeping, Sweden, August 1990. LNCS 456 (P. Deransart, J. Maluszynski, eds.), Springer-Verlag, 1990.

38. Limor Fix, Nissim Francez, Orna Grumberg: *Program composition and modular verification*, proceedings of 18th ICALP, Madrid, July 1991. LNCS 510 (J .Leach Albert, B. Moinen, M. Rodriguez Artalejo, eds.) Springer-Verlag, 1991.

39. Nissim Francez, Ira R. Forman: *Synchrony loosening transformations for Interacting Processes*, proceedings of CONCUR'91, Amsterdam, October 1991. LNCS 527 (J.C.M. Baeten, J.F. Groote - eds.), Springer-Verlag, 1991.

40. Jean-Michel Couvreur, Nissim Francez, Mohamed Gouda: *Asynchronous Unison*, Proc. Int. Sym. on Dist. Comp. sys., Yokohama, Japan, June 1992.

41. & Limor Fix, Nissim Francez, Orna Grumberg: *Program Composition via Unification*, Proc. ICALP'92, July 1992, Vienna, Austria. LNCS 623 (W. Kuich, ed.), Springer-Verlag, 1992.

42. ▷ Jan van Eijck, Nissim Francez: *Procedural dynamic semantics, verb-phrase ellipsis, and presupposition*, Applied Logic conference *Logic at work*, Amsterdam, December 17-19, 1992. In: **Applied logic: How, what and why?** (M. Masuch, L. Polos, eds.), Kluwer, Dordrecht, 1994.

43. Alon Adir, Nissim Francez, Shmuel Katz: *Implementing a language for coordinated distributed programming on a transputer multiprocessor*, World transputer congress, Como, Italy, September 1994.

44. ▷ Nissim Francez, Jonathan Berg: *MDRT: A multi-agent extension of DRT*, proc. of the Int. workshop on Computational Semantics, Tilburg, Holland, December 19-21, 1994.

45. ▷ Ranni Nelken, Nissim Francez, *Splitting the reference time: Temporal anaphora and quantification in DRT*, proc. EACL'95, Dublin, Ireland, March 28-31, 1995.

46. ▷ Shuly Wintner, Nissim Francez, *Abstract machine for typed feature structures*, proc. 5th int. workshop on natural language understanding and logic programming (NLULP95), Lisbon, Portugal, May 1995.

47. ▷ Shuly Wintner, Nissim Francez, *parsing with typed feature structures*, proc. of 4th int. workshop on parsing technologies (IWPT'95), Prague, September 1995.

48. ▷ Nissim Francez, Yoad Winter, *Generalized definition of quantifier absorption*, proceedings of SALT VI, Rutgers Univ., April 1996.

49. ▷ Ranni Nelken, Nissim Francez, *Automatic translation of natural language system specifications into temporal logic*, proceedings of CAV'96.

50. ▷ Nissim Francez, Ian Pratt, *Derivation of temporal preposition meanings in LFG's glue-language approach*, LFG97, June 19-21, San-Diego, CA. On line proceedings:
http://www-csli.stanford.edu/publications/
Miriam Butt, Tracy King Holloway, eds. CSLI publications, 1997.

51. ▷ Ian Pratt, Nissim Francez, *A decidable temporal logic for temporal prepositions*, proceedings of ICTL97, July 14-18, Manchester, UK.
Revised version in: **Advances in Temporal Logic**, Kluwer, 2000, pp. 255-278.

52. ▷ Nissim Francez, *On the direction of fibring feature logics with concatenation logics*, Proceedings of 2nd *Logical aspects of computational linguistics (LACL97)*, Nancy, France, September 1997. Revised in: Lecture notes in AI 1582 (A. Lecomte et. al, eds), Springer 1999.

53. ▷ Shuly Wintner, Evgeny Gavrilovich, Nissim Francez, *AMALIA – A unified platform for parsing and generation*, *Recent advances in natural language processing (RANLP97)*, Tzigov Chark, Bulgaria, September 1997.

54. Frank S. de Boer, Nissim Francez, M. van Hulst, Frank A. Stomp: *A proof system for asynchronous communicating sequential processes*, proceedings of *IFIP Working Group on Programming Concepts and Methods (PROCOMET'98)*, Shelter Island, NY., June 8-12, 1998 (David Gries, Willem-Paul de Roever, eds.), IFIP Chapman-Hall, 1998.

55. Rachel Ben-Eliyahu, Nissim Francez, Michael Kaminski, *Similarity preservation in Default Logic*, Proceedings of Workshop on *Formal aspects and applications of nonmonotonic reasoning*, (pre-KR98), Trento, Italy, May 1998.

56. ▷ Nissim Francez, *Hypothetical reasoning and radical non-constituent coordination in categorial logic*, proceedings of LACL 98, Grenoble, France, December 1998. Revised: *Hypothetical reasoning and basic non-constituent coordination*, Lecture Notes in AI 2014 (M. Moortgat, ed.), Springer, 2001.

57. & ▷ Rani Nelken, Nissim Francez, *Bilattices and the Semantics of Natural Language Questions*, Proceedings of *Mathematics of Language (MOL6)*, Orlando, FL, July 1999.

58. ▷ Rani Nelken, Nissim Francez, *A Semantics of Temporal Questions*, proceedings of *Formal Grammar*, Utrecht, August 1999.

59. ▷ **Invited:** Rani Nelken, Nissim Francez, *A calculus for interogatives based on their algebraic semantics*, invited for **Algebraic methods for language processing (AMILP'00)**, May 20-22, 2000, Iowa city, USA.

60. ▷ Ian Pratt-Hartmann, Nissim Francez, *Prepositions and context*, in: *Prepositions: grammatical, semantic and pragmatic aspects*, Haifa university, June 2000 (proceedings to appear).

61. ▷ Yaroslav Fyodorov, Yoad Winter, Nissim Francez, *A natural logic inference system*, Proc of the 2nd conference on *inference in computational semantics*, Dagstuhl, Germany, July 29-30, 2000.

62. ▷ Rani Nelken, Nissim Francez, *Querying Temporal Databases Using Controlled Natural Language*, COLING'2000, Saarbrucken, July-August 2000.

63. ▷ & Efrat Yaeger, Nissin Francez and Shuly Wintner, *Guaranteeing parsing termination of Unification Grammars*, COLING02, Taiwan, September 2002.

64. ▷ Anna Lifshits-Zamansky, Nissim Francez and Yoad Winter, *Order-Based Inference using the Lambek Calculus*, Proc. of *Formal Grammar*, Trento, Italy, August 2002.

65. ▷ Nissim Francez, Mark Steedman, *Cascading Contextual Preposition Phrases*, ACL-SIGSEM workshop: The Linguistic dimension of Prepositions and their use in Computational Linguistics Formalisms and Applications, Toulouse, France, September 3-6, 2003.

66. ▷ Ron Artstein, Nissim Francez, *Plural times and temporal modification*, proceedings of *the ILLC 14th Amsterdam Colloquium*, Paul Dekker and Robert van Rooy (eds.), December 2003.

67. ▷ Gilad Ben-Avi, Nissim Francez, *Categorial Grammar with Ontology-Refined Types*, proceedings of *Categorial Grammar*, Montpellier, France, June 2004.

68. ▷ Genady Beryozkin, Nissim Francez, *The "lost" reading of control sentences and plural semantics in Glue*, proceedings of LFG04, New Zealand, June 2004.

69. ▷ Nissim Francez, *Lambek Calculus with General Elimination Rules and Continuation Semantics*, proceedings of *Logical Aspects of Computational Linguistics (LACL05)*, Bordeaux, France, April 28-30, 2005. LNAI 3492 (Philippe Blache, Edward Stabler, Joan Busques, Richard Moot, eds.), Springer Verlag, 2005.

70. ⊢ Nissim Francez, Roy Dyckhoff, *Proof-theoretic Semantics for Natural Language*, *10th meting of the association for Mathematics of Language (MOL)*, Los-Angeles, July 2007. Proceedings to appear in a LNAI, Springer, 2010.

71. ⊢ Nissim Francez, *The granularity of meaning in proof-theoretic semantics*, proceedings of *Logical Aspects of Computational Linguistics (LACL)*, Toulouse, France, June 2014. LNCS 8535, Springer Verlag, 2014, doi:10.1093/logcom/exu035.

72. ⊢ Nissim Francez, *A Proof-Theoretic Universal Property of Determiners*, *LNAT3:The semantics and pragmatics of logical constants*, Brussels, Belgium, February 5-6, 2015.

73. ⊢ Nissim Francez, Bartosz Wieckowski, *A proof-theory for first-order logic with definiteness*, *Hilbert's Epsilon and Tau in Logic, Informatics and Linguistics*, Montpellier, France, June 2015.

Other Publications:

1. & N.Francez, B.Hailpern, G.Taubenfeld: *Script: a communication abstraction mechanism and its verification*, in: **Logics and Models of Concurrent Systems,** pp. 169-212 (K.R. Apt-ed.), NATO ASI series F: Computer and Systems Sciences, vol. 13, Springer Verlag, 1985.
(Same as paper with identical name in SCP)

2. & N. Francez: *Cooperating-proofs of distributed programs with multiparty-interactions*, Liber Amicorum for J.W. de Bakker, **25 years of semantics**, CWI, Amsterdam, April 1989.

3. Martin Abadi, Bowen Alpern, Krzysztof R. Apt, Nissim Francez, Shmuel Katz, Leslie Lamport, Fred B. Schneider: *Preserving liveness: Comments on 'Safety and liveness from a methodological point of view '*, IPL 40, November 1991, pp. 141 - 142.

4. ▷ Evgeniy Gabrilovich, Nissim Francez, and Shuly Wintner: *Natural language generation with abstract machine: System demonstration*, In Proceedings of the ninth international workshop on Natural Language Generation, pages 276–279, Niagara-on-the-Lake, Ontario, Canada, August 1998.

5. Daniel Genkin, Nissim Francez, Michael Kaminski: *Mildly Context-Sensitive Languages via Buffer Augmented Pregroup Grammars*, in: *Time for Verification* – essays in memory of Amir Pnueli, Zohar Manna, Doron Peled (eds.), LNCS 6200, Springer Verlag, 2010, pp.144-166.

6. Nissim Francez, *Proof-theoretic type interpretation: a glimpse to proof-theoretic semantics*, UCLA Working Papers in Linguistics, Theories of Everything Volume 17, Article 12: 80-84, 2012. Festschrift in honour of Ed Keenan.

Invited Presentations:

1. Winter School, Univ. of Helsinki, January 1984.
Subject: Fairness

2. Nato Advanced Seminar on Logics and Models for Verification and Specification of Concurrent Systems, La Colle Sur Loup, France, October 1984.
Subject: Proof Rules for Communication Abstractions.

3. Leibnitz center for research in computer science opening workshop, the Hebrew university in Jerusalem, May 1985.
Subject: An overview of fairness in nondeterministic and distributed programming.

4. Colloquium on temporal logic and specification, Altrincham, United Kingdom, April 1987.
Subject: Fairness and the axioms of control predicates (joint work with Shmuel Katz).

5. ICALP summer School on Formal Methods in Programming, Orivesi, Finland, July 17-23, 1988.
Subject: New trends in distributed program verification: multiparty interactions and dynamic process creation/destruction.

6. IFIP WG 10.1 workshop on *Concepts and characteristics of declarative systems.* Budapest, October 1988.
Subject:
a) SDP: Sequential, distributed Prolog
b) A deferred substitution semantics for logic programs
(Joint with Amir Rahat and Oded Shmueli).

7. 5th Jerusalem conference on information technology (JCIT), IFIP, Jerusalem, October 1990.
Subject: Interacting Processes: A language for coordinated distributed programming, (joint work with Ira R. Forman).

8. Logic and Computer Science semester, Tel-Aviv University, March 2003,
Subject: The Lambek Automaton (joint work with Tatyana Veksler).

9. Workshop on *Mathematical methods in Computational Linguistics*, Potsdam, Germany, April 28-9, 2004. Subject: Categorial Grammar with Ontology-refined types (joint work with Gilad Ben-Avi).

10. ⊢ Invited plenary talk at the 15th *Amsterdam Colloquium*, Amsterdam, December 2005. Subject: *A proof-theoretic semantics for the syllogistic fragment* (joint work with Gilad Ben-Avi).

11. Invited talk: 1st International Conference on Language and Automata Theory and Applications (LATA 2007):
Subject: *Extensions of pregroup grammars and their correlated automata* (joint work with Michael Kaminski).

12. ⊢ Keynote talk: *Reconsidering negation as cancelation*, Logic in Bochum IV: workshop on Connexive Logics

Projects:

1981-82 Proving the equivalence of a VLSI chip for floating point to the IBM-370 floating point.
IBM Scientific center, Haifa.

1983-85 Design and implementation of a Prolog programming environment.
IBM Scientific center, Haifa.

Graduate Students

Ph.D students

1. Ms. Tzilla Elrad (started: 1979, finished: June 1983)
subject: Weakest precondition semantics for communicating processes.

2. Ms. Orna Grumberg (started: October 1979, finished: May 1984)
subject: Fair termination proofs of nondeterministic and concurrent programs.
Additional supervisor (since July 1982): S.Katz.

3. Ms. Liuba Shrira (Popilski) (started: October 1980, finished: May 1985)
subject: systematic construction of distributed programs.
Additional supervisor (since July 1982): M. Rodeh

4. Ms. Sara Porat (started: September 1981, finished: January 1986)
subject: Fairness in models of nondeterminism.

5. Mr. Shmuel Sagiv (transfered from the M.Sc program: October 1987, finished: June 1991)
Subject: High-level formalisms for program flow analysis and their use in compiling.
Additional supervisor: Dr. Michael Rodeh, IBM.

6. Ms. Limor Fix (started: March 1988, Finished: April 1992)
Subject: Semantic decompositions of distributed programs.
Additional supervisor (due to Sabbatical leave): Orna Grumberg.

7. ▷ Mr. Shalom Wintner (started: March 1993, Finished: January 1997)
Subject: Computational processing of grammars for natural languages.

8. ▷ Mr. Rani Nelken (started: October 1997, Finished: July 2001)
Subject: Questions, time, and natural language interfaces to temporal databases.

M.Sc Students

9. Ms. Liuba Shrira (Popilski) (finished: 1980)
   subject: An experimental implementation of CSP.

10. Mr. Naftali Rishe (finished: 1981)
    subject: Semantics of data-bases.

11. Mr. Oded Cohn (finished: June 1982)
    subject: Specification of properties of distributed data structures.
    Additional supervisor: S.Katz.

12. Mr. Gadi Taubenfeld (started: October 1983, finished: July 1984)
    subject: Proof rules for communication abstractions.

13. Mr. Nir Shavit (started: May 1984, finished: June 1986)
    subject: Distributed detection of locally-indicative monotonic global state properties.

14. Mr. Ran Rinat (started: January 1985, finished: June 1986)
    subject: Well-foundedness and properties of infinite trees

15. Ms. Limor Fix (started: June 1986, finished: March 1988)
    subject: proving properties of dynamic networks of communicating processes

16. Mr. Eran Gery (transferred from Yoav Raz: October 1986, finished: December 1987)
    subject: recursive query evaluation

17. Ms. Yael Shemesh (transferred from Oded Shmueli: October 1986, finished: February 1989)
    subject: Finite-state Datalog automata and relational-languages

18. Mr. Amir Rahat (transferred from Oded Shmueli: October 1986, finished: April 1989)
    subject: Distributed Logic Programming
    Additional supervisor (since October 1987): Dr. Oded Shmueli.

19. Alon Adir (transfered from Shmuel Katz, July 1992, jointly with Shmuel Katz since March 1993. Finished: May 1994).
    subject: An implementation of IP (Interacting Processes)

20. Ms. Orna Bernholtz (transfered from Orna Grumberg, July 1992).
    (transfered back[1] to Orna Grumberg, July 1993).
    subject: Automata theory and automatic verification.

21. Oren Brezner (Started: March 1993, Finished: April 1994). Additional supervisor: Shai Ben-David.
    Subject: Modal semantics for expectation operator in natural language.

22. ▷ Ran Nelken[2] (Started: October 1993, Finished: June 1996).
    Subject: Natural language specifications for automatic verification.

23. ▷ Evgeny Gavrilovitz (Started, February 1995, Finished: January 1998). *Subject: Abstract machine control structures for feature-structure based Natural Language generation*

24. ▷ Victoria Skovlikov (started: May 1996, restarted: October 1997, finished: June 1999). *Subject: A computational unification based lexicon for the Hebrew verbal system.*

25. ▷ Shlomit Koyfman (started: October 1999, finished: November 2001), *Subject: Semantic invariance of algorithms for nominal anaphora resolution.*

26. ▷ Anna (Lifshits) Zamanski (Started: September 2001, finished: December 2003), *Subject: Type-logical Natural Logic.*

[1] Sabbtical replacement
[2] From Tel-Aviv university

27. ▷ Efrat Yaeger (Started: October 2001, Finished December 2002), *Subject: Conditions for decidability of the recognition problem for unification-grammars* (Additional supervisor: Dr. Shuly Wintner, Haifa university).

28. ▷ Tatyanna Veksler (Started: October 2001, finished: November 2003), *Subject: The Lambek automaton.*

29. ▷ Genady Beryozkin (started: March 2003, Finished October 2005), *Subject: Plural semantics for control sentences in LFG's "glue" interface.*

30. ▷ Gila Halperin (started: December 2003), *Subject: Coordination in Type-Logical grammar and conditional contraction in substructural logics.* On maternity leave since 2005, suspended January 2007.

31. ▷ Ezra Ohayon (started: May 2004), *Subject: Dterministically, Liner-Time parsable families of Type-Logical Grammars.* Suspended since 2005.

32. ▷ Tamar Aizikovitz (started May 2005), *Subject: Negated types in categorial grammar* (transferred to Michael Kaminski due to my Sabbatical).