

# Curriculum Vitae

Michael Gelfond

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## Education

**M.Sc.:** St. Petersburg University, Russia, 1968

**Ph.D.:** Institute of Mathematics of the Academy of Sciences, St. Petersburg, 1974

## Experience

- 2000 - Texas Tech University, Professor,  
Department of Computer Science.
- 1992 - 1999 University of Texas at El Paso, Professor,  
Department of Computer Science.
- 1987 - 1992 University of Texas at El Paso, Associate Professor,  
Department of Computer Science.
- 1984 - 1987 University of Texas at El Paso, Assistant Professor,  
Department of Computer Science.
- 1981 - 1984 University of Texas at El Paso, Assistant Professor,  
Department of Mathematics.
- 1980 - 1981 University of Texas at El Paso. Visiting  
Assistant Professor, Department of Mathematics.
- 1979 - 1980 Mohawk Data Science Corporation, Los Gatos, Ca.  
Design System Programmer.
- 1978 - 1979 Measurex Corporation, Cupertino, Ca.  
Software Engineer.
- 1976 - 1977 Leningrad University, USSR, Lecturer, (part time)  
Department of Mathematics.
- 1974 - 1976 Leningrad School of Business Administration  
and Economics, USSR, Lecturer,  
Department of Mathematics.
- 1969 - 1974 Leningrad High School for Gifted  
Children, USSR, Teacher of Mathematics  
and Computer Programming.
- 1968 - 1969 Leningrad Institute of Radioelectronics.  
USSR. Programmer.

## Refereed Publications

1. Evgenii Balai, Michael Gelfond, and Yuanlin Zhang, “SPARC – sorted ASP with Consistency-Restoring Rules”, In Proceedings of Fifth International Workshop on Answer Set Programming and Other Computing Paradigms, to appear.
2. Marcello Balduccini and Michael Gelfond, “Language ASP(f) with Arithmetic Expressions and Consistency-Restoring rules.” In Proceedings of Fifth International Workshop on Answer Set Programming and Other Computing Paradigms, to appear.
3. Michael Gelfond and Vladimir Lifschitz, “The common core of action languages B and C”, In Proceedings of 14th international workshop on Non-monotonic reasoning, 2012,  
<http://www.dbai.tuwien.ac.at/NMR12/proceedings.html>.
4. Michael Gelfond and Yana Todorova, “Toward question answering in travel domains”, Correct Reasoning, Lecture Notes in Computer Science, pp311-326, vol 7499, 2012
5. Justin Blount and Michael Gelfond, “Reasoning about the intentions of agents”, Logic Programs, Norms and Action, Lecture Notes in Computer Science, pp147-171, vol. 7360, 2012.
6. Michael Gelfond, ”Knowledge Representation Language P-Log – a Short Introduction. Volume 6702 of the Lecture Notes in Computer Science series, Datalog Reloaded, 2011.
7. Michael Gelfond, Personal Perspective on the Development of Logic Programming Based KR Languages, Nonmonotonic Reasoning, Editors G. Brewka, V. Marek, and M. Truszczynski, College Publications, pp 177–196, 2011.
8. Michael Gelfond. New Semantics for Epistemic Specifications. LPNMR 2011: pp 260-265.
9. Daniela Incezan and Michael Gelfond, Representing Biological Processes in Modular Action Language ALM, Electronic Proceedings of 2011 AAAI Spring Symposium Series “Logical Formalizations of Commonsense Reasoning”, March 2011, <http://commonsensereasoning.org/2011/proceedings.html>
10. John P. Gallagher, Michael Gelfond: Introduction to the 27th International Conference on Logic Programming Special Issue. TPLP 11(4-5): 429-432 (2011).
11. Phan Huy Tu, Tran Cao Son, Michael Gelfond and Ricardo Morales, Approximation of Action Theories and Its Application to Conformant Planning, AI journal, Vol 175, Issue 1, 2011, pp 79 – 119.
12. Scherl, Richard and Incezan, Daniela and Gelfond, Michael. Automated Inference of Socio-Cultural Information from Natural Language Conversations. Proceedings of the IEEE International Conference on Social Computing/IEEE International Conference on Privacy, Security, Risk and Trust. SIN- The Second International Symposium on Social Intelligence and Networking. Los Alimitos, California. Pages 480-487, 2010.

13. M. Gelfond and N. Rushton, Causal and Probabilistic Reasoning in P-log, Heuristics, Probabilities and Causality. A tribute to Judea Pearl. Edited by R. Dechter, H. Geffner, and J. Halpern. College Publications, pp. 337–359, 2010.
14. M. Gelfond and D. Incelezan, Yet Another Modular Action Language, Proceedings of the Second International Workshop on Software Engineering for Answer Set Programming (SEA'09), Potsdam, Germany, 14th September, 2009, pp 64 – 78, CEUR Workshop proceedings, Vol 546.
15. C. Baral, M. Gelfond, and N. Rushton. Probabilistic reasoning with answer sets. TPLP 9(1): 57-144 (2009)
16. Veena S. Mellarkod, Michael Gelfond, and Yuanlin Zhang. Integrating Answer Set Programming and Constraint Logic Programming. Annals of Mathematics and Artificial Intelligence, 2008, vol 53, pages 251 – 287.
17. Authorization and Obligation Policies in Dynamic Systems, Michael Gelfond and Jorge Lobo, ICLP08, Italy, pp 22-36, 2008.
18. Michael Gelfond, Veena S. Mellarkod, and Yuanlin Zhang. Systems integrating answer set programming and constraint programming. In Proceedings of 2nd International Workshop on Logic and Search (LaSh), pages 145-152, 2008.
19. Veena Mellarkod and Michael Gelfond. Integrating Answer Set Reasoning with Constraint Solving Techniques, FLOPS 2008, pp 15-31, Japan, April 2008.
20. Marcello Balduccini and Michael Gelfond. The AAA Architecture: An Overview. In AAAI Spring Symposium 2008 on Architectures for Intelligent Theory-Based Agents (AITA08), March 2008.
21. Integrating Answer Set Programming and Constraint Logic Programming, Veena S. Mellarkod and Michael Gelfond and Yuanlin Zhang, Tenth International Symposium on AI and Mathematics. Ft. Luderdale, Jan 2008, <http://isaim2008.unl.edu/>
22. Michael Gelfond. Answer Sets, chapter 7. Handbook of Knowledge Representation. Elsevier, pp. 285–316, 2007.
23. V. Mellarkod and M. Gelfond, Enhancing ASP systems for Planning with Temporal Constraints, LPNMR 2007, pp. 309–315.
24. Sandeep Chintabathina, Michael Gelfond, and Richard Watson. Defeasible laws, parallel actions, and reasoning about resources. In Logical Formalizations of Commonsense'07, Papers from the AAAI Spring Symposium (Commonsense 07), Technical Report SS-07-05, pp. 35-40, AAAI Press, 2007.
25. Marcello Balduccini, Michael Gelfond, and Monica Nogueira. Answer Set Based Design of Knowledge Systems. Annals of Mathematics and Artificial Intelligence, 47(1-2): 183-219 2006.
26. Michael Gelfond. Going places - notes on a modular development of knowledge about travel. AAAI Spring 2006 Symposium, pp 56–66, 2006.

27. Michael Gelfond, Nelson Rushton, and Weijun Zhu. Combining Logical and Probabilistic Reasoning. *AAAI Spring 2006 Symposium*, pp 50–55, 2006.
28. Chitta Baral and Michael Gelfond. Reasoning about intended actions. *Proceedings of AAAI’05*, pp 689–694, 2005.
29. Michael Gelfond, Ricardo Morales, Tran Cao Son, and Phan Huy Tu. An Approximation of Action Theories of and its Application to Conformant Planning. *Proceedings of LPNMR’05*, pp 172–184, 2005.
30. Ricardo Morales, Michael Gelfond, Phan Huy Tu, and Tran Cao Son. Conformant Planning for Domains with Constraints – A New Approach. *Proceedings of AAAI’05*, pp. 1211–1216, 2005.
31. Chitta Baral, Michael Gelfond, Gregory Gelfond, and Richard Scherl. Textual Inference by Combining Multiple Logic Programming Paradigms. *AAAI’05 Workshop on Inference for Textual Question Answering*, 2005.
32. S. Chintabathina, M. Gelfond, and R. Watson. Modeling Hybrid Domains Using Process Description Language. *The Proceedings of the Fifth Workshop on Answer Set Programming*, Bath, England, pp 303-318, 2005.
33. Baselice, P.A. Bonatti, and Michael Gelfond. Towards an Integration of Answer Set and Constraint Solving. *Proceeding of ICLP 2005*: 52-66, 2005
34. Baselice, P.A. Bonatti, and Michael Gelfond. A Preliminary Report on Integrating of Answer Set and Constraint Solving *Proceedings of the Fifth Workshop on Answer Set Programming*, Bath, England, pp 13-27, 2005.
35. Marcello Balduccini and Michael Gelfond. Model-Based Reasoning for Complex Flight Systems. *Infotech@Aerospace (American Institute of Aeronautics and Astronautics)*, 2005.
36. Chitta Baral and Michael Gelfond, *Logic Programming and Reasoning about Actions "Handbook of Temporal Reasoning in Artificial Intelligence"*, Edited by M. Fisher, D. Gabbay and L. Vila, Elsevier, pp 301-332, 2005.
37. Gonzalez, G., Baral, C., and Gelfond, M. Alan: An Action Language For Modeling Non-Markovian Domains. *Studia Logica*, 79, pp 115–134, 2005.
38. Chitta Baral, Michael Gelfond, and Richard Scherl. Using answer set programming to answer complex queries. In *Workshop on Pragmatics of Question Answering at HLT-NAAC2004 (Human Language Technology - Annual Meeting for North American Association for Computational Linguistics)*, Electronic Publication, May 2004.
39. M. Gelfond and R. Morales. Encoding Conformant Planning in A-Prolog *Iberamia 2004, Workshops on Artificial Intelligence*, Edited by Guillermo De Ita Luna, Olac Fuentes Chavez, and Mauricio Osorio Galindo, pp 32-42, Nov 2004.

40. M. Gelfond. Answer set programming and the design of deliberative agents. In B. Demoen and V. Lifschitz, editors, Proc. of 20th International Conference on Logic Programming, number 3132 in Lecture Notes in Artificial Intelligence, pp 19-26, Sept 2004.
41. C. Baral, M. Gelfond, and N. Rushton. Probabilistic reasoning with answer sets. The Proceedings of the 7th International Conference on Logic Programming and Non-monotonic Reasoning, pp 21-33, 2004.
42. M. Balduccini and M. Gelfond. Logic Programs with Consistency-Restoring Rules. In Patrick Doherty, John McCarthy, and Mary-Anne Williams, editors, International Symposium on Logical Formalization of Commonsense Reasoning, AAAI 2003 Spring Symposium Series, pages 918, Mar 2003.
43. M. Gelfond and R. Watson. Non-monotonic Logic. Encyclopedia of Cognitive Science, Nature Publishing Group Macmillan Reference Inc., UK, 2003.
44. Marcello Balduccini and Michael Gelfond. Diagnostic reasoning with A-Prolog. Theory and Practice of Logic Programming, 3(4-5):425-461, Jul 2003.
45. M. Gelfond and N. Leone, “Logic programming and Knowledge Representation- the A-Prolog perspective”, Artificial Intelligence, vol 138, num 1-2, June 2002, pp 3 - 39.
46. M. Gelfond. Representing Knowledge in A-Prolog, volume 2408 of Computational Logic: Logic Programming and Beyond, Essays in Honour of Robert A. Kowalski, Part II, pages 413-451. Springer-Verlag, Berlin, 2002.
47. M. Balduccini, M. Gelfond, M. Nogueira, and R. Watson. Planning with the USA-Advisor. In Proceedings of the 3rd International NASA Workshop on Planning and Scheduling for Space, Sep 2002.
48. M. Gelfond, M. Balduccini, and J. Galloway, “Diagnosing Physical Systems in A-Prolog”, Proceedings of the 6th International Conference on Logic Programming and Nonmonotonic Reasoning, pp 213-226, Edited by T. Eiter, W. Faber, and M. Truszczynski, Vienna, Austria, 2001.
49. D. Cooke, M. Gelfond, J. Urban, “Computer Language Advances”, Handbook of Software Engineering and Knowledge Representation, vol. 1, pp. 1–21, World Scientific, 2001.
50. M. Balduccini, M. Gelfond, M. Nogueira, R. Watson, “The USA-Advisor: A Case Study in Answer Set Planning, pp. 439-443, Proceedings of the 6th International Conference on Logic Programming and Nonmonotonic Reasoning, pp 213-226, Edited by T. Eiter, W. Faber, and M. Truszczynski, Vienna, Austria, 2001.
51. M. Nogueira, M. Balduccini, M. Gelfond, R. Watson, and M. Barry, “An A-Prolog decision support system for the space shuttle”, Practical Aspects of Declarative Languages, Third International Symposium, PADL 2001, Lecture Notes in Computer Science, num 1990, Edited by I.V. Ramakrishnan, pp. 169–183. (Also appeared in notes of AI Stanford 2001 Spring Symposium).

52. M. Gelfond and J. Galloway, "Diagnosing dynamic systems", The AI Stanford 2001 Spring Symposium.
53. C. Baral, M. Gelfond, Reasoning agents in dynamic domain, Logic Based Artificial Intelligence, Kluwer, ed. Jack Minker, pp. 257–279, 2000.
54. M. Balduccini, M. Gelfond, M. Nogueira, A-Prolog as a tool for declarative programming. Proceedings of the 12th International Conference on Software Engineering and Knowledge Engineering, (SEKE'2000), pp. 63–72.
55. M. Gelfond, A. Gabaldon, "Building a knowledge base: an example", Annals of Mathematics and Artificial Intelligence, 25, pp 165-199, 1999.
56. C. Baral, M. Gelfond and R. Watson, "Reasoning about actual and hypothetical occurrences of concurrent and non-deterministic actions", In Theoretical Approaches to Dynamic Worlds, Edited by B. Fronhofer and R. Pareschi, pp 73-109, Kluwer Academic Publishers, 1999.
57. M. Gelfond, V. Lifschitz, "Action Languages", Electronic Transactions on Artificial Intelligence, vol 3, nr 016, 1999, <http://www.ep.liu.se/ea/cis>.
58. M. Gelfond, "Logic Programming", Wiley Encyclopedia of Electrical and Electronics Engineering, Vol 11, pp. 569-576, 1999
59. Michael Gelfond and Richard Watson, "On Methodology of Representing Knowledge in Dynamic Domains", In Electronic Notes on Theoretical Computer Science, 25 (1999) <http://www.elsevier.nl/gejng/31/29/23/49/23/show/Products/notes/index.htm> To appear in the Science of Computer Programming
60. M. Gelfond, T. Son, "Reasoning with prioritized defaults", Lecture Notes in Artificial Intelligence, 1471, Edited by J. Dix, L. M. Pereira, T. Przymusinski, pp 164-224, 1998.
61. M. Gelfond, "LP-functions as a tool for knowledge representation", Programirovanie, Num. 2, pp 10-26, 1998. (In Russian).
62. C. Baral, M. Gelfond, O. Kosheleva, "Expanding queries to incomplete databases by interpolating general logic programs", Journal of Logic Programming, vol. 35, pp 195-230, 1998.
63. C. Baral, M. Gelfond, A. Proveti, "Representing Actions: Laws, Observations and Hypotheses", Journal of Logic Programming, vol. 31, Num. 1,2 and 3, pp. 201-245, 1997.
64. M. Gelfond, A. Gabaldon, "From functional specifications to logic programs", Proceedings of the 1997 International Symposium on Logic Programming, pp 355-371, 1997.
65. C. Baral, M. Gelfond, "Reasoning about effects of concurrent actions", Journal of Logic Programming, vol. 31, Num. 1,2 and 3, pp. 85-119, 1997.

66. M. Gelfond, H. Przymusinska, "Toward a Theory of Elaboration Tolerance for Logic Programs", *International Journal on Software and Knowledge Engineering*, vol. 6, No. 1, (1996), 89-112.
67. M. Gelfond, "Logic Programming and Reasoning with Incomplete Information", *Annals of Mathematics and Artificial Intelligence*, 12, 1994, 89-116.
68. C. Baral, M. Gelfond, "Logic Programming and Knowledge Representation", *Journal of Logic Programming*, 1994 : 12 :1-80.
69. M. Gelfond, B. Traylor, "Representing Null Values in Logic Programming", *Lecture Notes in Computer Science*, 813, *Proceedings of Third International Symposium on Logical Foundations of Computer Science*, edited by A. Nerode, Yu. V. Matiyasevich, 1994, pp 341-353.
70. M. Gelfond, V. Lifschitz, H. Przymusinska, G. Schwarz "Autoepistemic Logic and Introspective Circumscription", *Proceedings of the 5th Conference on Theoretical Aspects of Reasoning about Knowledge*, 1994.
71. M. Gelfond and V. Lifschitz, "Representing Actions and Change by Logic Programs", *the Journal of Logic Programming*, vol. 17, Num. 2,3,4, pp. 301–323, 1993.
72. M. Gelfond, H. Przymusinska, "Reasoning in Open Domains", *Proceedings of the Second International Workshop on Logic Programming and Non-monotonic Reasoning*, Portugal, 1993, pp. 397-417.
73. C. Baral, M. Gelfond, O. Kosheleva, "Approximating General Logic Programs", *Proceeding of International Logic Programming Symposium*, Canada, pp. 181–198, 1993.
74. C. Baral, M. Gelfond, "Representing Concurrent Actions in Extended Logic Programming", *Proceeding of 13th Joint International Conference on Artificial Intelligence*, France, pp. 866-871, 1993.
75. M. Gelfond, H. Przymusinska, "On Consistency and Completeness of Autoepistemic Theories", *Fundamenta Informaticae*, vol. 16, Num. 1, pp. 59-92, 1992.
76. M. Gelfond, V. Lifschitz, "Representing properties of actions in extended logic programs", *Proceedings of the Joint International Conference and Symposium on Logic Programming*, pp. 559–573, 1992.
77. M. Gelfond, V. Lifschitz, "Classical Negation in Logic Programs and Deductive Databases", *Journal of New Generation Computing*, vol 9, Nos. 3,4 pp. 365 – 387, 1991.
78. M. Gelfond, V. Lifschitz, A. Rabinov, "What are the Limitations of the Situation Calculus?", *Automated Reasoning, Essays in Honor of Woody Bledsoe*, Edited by S. Boyer, Kluwer Academic Publishers, 1991, pp. 167-181.

79. M. Gelfond, H. Przymusinska, "Explicit Definitions in Epistemic Specifications", Proceedings of the First International Workshop on Logic Programming and Non-monotonic Reasoning, Edited by A. Nerode, W. Marek, V.S. Subramanian, the MIT press, pp. 245–260, 1991.
80. M. Gelfond, "Epistemic Semantics for Disjunctive Databases", Proceedings of the Workshop on Disjunctive Logic Programs, Edited by D. Loveland, J. Lobo, and A. Rajasekar, San Diego, November 1991.
81. M. Gelfond, "Strong Introspection", Proceedings of AAAI-91, pp. 386-391, 1991, (also appeared in the proceedings of the Spring Symposium on Formalization of Commonsense Reasoning, Stanford, 1991).
82. M. Gelfond, V. Lifschitz, H. Przymusinska, M. Truszczynski, "Disjunctive defaults", Proceedings of Second International Conference on Knowledge Representation and Reasoning, pp. 230 - 238, 1991.
83. M. Gelfond, H. Przymusinska, "Formalization of Inheritance Reasoning in Autoepistemic Logic", Fundamenta Informaticae, vol 13, number 4, pp. 403-444, 1990.
84. M. Gelfond, H. Przymusinska, T. Przymusinski, "On the Relationship between CWA, Minimal Model and Minimal Herbrand Model Semantics", International Journal of Intelligent Systems, vol. 5, number 5, pp.-549-565, 1990.
85. M. Gelfond, V. Lifschitz, "Logic Programs with Classical Negation", Proceedings of 7th International Conference on Logic Programming, Jerusalem, pp. 579-597, 1990.
86. M. Gelfond, H. Przymusinska, T. Przymusinski, "On the Relationship between Circumscription and Negation as Failure Rule", International Journal of Artificial Intelligence, 38, 75 - 94, 1989.
87. M. Gelfond, V. Lifschitz, "Compiling Circumscriptive Theories into Logic Programs", Lecture Notes in Artificial Intelligence, 346, Non-Monotonic Reasoning, Second International Workshop, Grassau, FRG, Edited by R. Reinfrank, pp. 74 - 100, 1989.
88. M. Gelfond, "Autoepistemic Logic and Formalization of Commonsense Reasoning", Lecture Notes in Artificial Intelligence, 346, Non-Monotonic Reasoning, Second International Workshop, Grassau, FRG, Edited by R. Reinfrank, 176 - 187, 1989.
89. M. Gelfond, H. Przymusinska, "Inheritance Hierarchies and Autoepistemic Logic", Proceedings of International Symposium on Methodologies for Intelligent Systems, 1989.
90. M. Gelfond, V. Lifschitz, "The Stable Model Semantics for Logic Programs", Proceedings of the Fifth International Conference and Symposium on Logic Programming, 1070-1080, Seattle, August 1988.
91. M. Gelfond, H. Przymusinska, T. Przymusinski, "Minimal Model Semantics vs. Negation as Failure: Comparison of Semantics", Proceedings of International Symposium on Methodologies for Intelligent Systems, 435-443, Torino, Italy, October 1988.



92. M. Gelfond, V. Lifschitz, "Compiling Circumscriptive Theories into Logic Programs: preliminary report", Proceedings of Seventh National Conference on Artificial Intelligence, 455 - 459, Saint Paul, August 1988.
93. M. Gelfond. "On Stratified Autoepistemic Theories". Proceedings of Sixth National Conference on Artificial Intelligence, 207 - 212, Seattle, July 1987.
94. M. Gelfond, H. Przymusinska, "Negation as failure: careful closure procedure", International Journal of Artificial Intelligence 30 , 273-287, 1986.
95. M. Gelfond, H. Przymusinska and T. Przymusinski, "The extended closed world assumption and its relation to parallel circumscription", Proceedings of ACM Symposium on Principles of Data Base Systems, 133-140, Cambridge, 1986.
96. M. Gelfond, H. Przymusinska, "On the relationship between Circumscription and Autoepistemic Logic", Proceedings of International Symposium on Methodologies for Intelligent Systems, 256 - 261, 1986.
97. M. Gelfond, "A class of theorems with valid constructive counterparts", Lecture Notes in Mathematics, vol 873, Constructive Mathematics, 314 - 321, 1981.
98. M. Gelfond, "On the stability of formulae in classical analysis", Proceedings of the Fourth All-Union Conference on Mathematical Logic, Kishinev, USSR, 1976 (Russian).
99. M. Gelfond, "On the relation between classical and constructive approaches to mathematical analysis", Seminars in Mathematics, vol. 32, Steklov Mathematical Institute, 23 -36, Leningrad, 1972. (Russian).
100. M. Gelfond, "On constructive pseudo-functions", Seminars in Mathematics, vol.16, Steklov Mathematical Institute, 20 - 29, Leningrad, 1969 (Russian; English translation published by: Consultants Bureau, Plenum Publishing Corporation, N.Y.,1970).

## Grants 2000–current

- Integrating machine learning and knowledge representation for discovery and representation of social and cultural insights from human language usage. iARPA/ASU (PI).
- Expanding SILK with high level modular action language, Vulcan Inc. (PI)
- Intelligent and efficient control for robotics, CEV on board systems, and water recycling NASA (CoPi).
- Integrating logic based declarative programming paradigms, NSF, (Co-Pi).
- Advanced Question Answering for Intelligent Programs, ARDA, (PI);
- Answer Set Based Reasoning with Incomplete Information about Faults, USA, (PI);

- Repast Rem Project Support, Argonne Ntl Lab (PI);
- Control System, Water Recovery, Human Factors and Plant Growth Research, NASA, (Co-Pi);
- Plant Research in the EDU, Water reuse, and Human Centered Computing, NASA, (Co-Pi);
- Model-Based Programming for Controls and Deliberation, NASA, (Co-PI).
- “Action Languages and the Space Shuttle”, The United Space Alliance, CO-principal Investigator.
- “Intelligent Planning with Soft Constraints”, The United Space Alliance, 2001-2003, principal investigator.
- Action Theories and Design of Intelligent Systems, NASA, 2003-2005, co-principal investigator.

## Professional Activities

- Co-Chair of the 27th International Conference on Logic Programming, 2011.
- Area Editor for the International Journal of Theory and Practice of Logic Programming, (Knowledge Representation and Nonmonotonic Reasoning);
- Executive Editor of the Journal of Logic and Computation;
- Co-organizer of Texas Action Group, <http://www.cs.utexas.edu/users/vl/tag/> Texas Action Group (TAG) is a group of researchers interested in the study of formal and automated reasoning about the effects of actions using action languages, logic programming under the answer set semantics, and related ideas. It is led by Michael Gelfond (Texas Tech University) and Vladimir Lifschitz (University of Texas at Austin). Originally TAG was created for the benefit of students studying in Texas, but now it includes participants from many other parts of the world.
- Member of numerous program and organizing committees.
- Reviewer for a large number of national and international agencies and journals.

## Awards and Honors

- A number of awards for excellence in teaching.
- A number of awards for work on Answer Set Programming including two “ Most Influential Paper in 20 Years Award” from the Association for Logic Programming (awarded in 2004 and 2012).
- Elected a AAAI Fellow, 2002.

- Elected a member of European Academy of Sciences, 2002.
- The Burlington Northern Distinguished Achievement Award in Research, 1994.
- Two scientific symposiums were organized to honor my 50th and 65th birthdays. The refereed proceedings of the symposiums were published as Festschriften in 1997 and 2011.

## Teaching

- Teach graduate and undergraduate classes in Artificial Intelligence, Automata Theory, Algorithms, Discrete Mathematics, and Logic.
- Co-Head of Knowledge Representation Lab which includes graduate students doing research in Knowledge Representation and Declarative Programming.

## Invited Presentations (2010–2012)

- Invited talks on combining logical and probabilistic reasoning:  
Datalog2 – Oxford;  
Tribute to Judea Pearl – Los Angeles;  
Conference on Electronics, Communications and Computing – Pueblo Mexico.
- Invited talks on knowledge representation:  
NonMonotonic Reasoning at 30 – Kentucky;  
Conference on Electronics, Communications and Computing – Pueblo Mexico;  
International Conference on Logic Programming – Budapest.