

## Curriculum Vitae

Dr. Adam Zachary Wyner

### Academic Affiliation

- Department of Computer Science  
University College London  
Gower Street  
London, WC1E 6BT, United Kingdom

### Contact Information

- 51 Lordship Park, Apt. 2  
Stoke Newington, N16 5UN  
United Kingdom
- Home Telephone: (+44)-(0)20-809-3960
- E-mail: adam@wyner.info
- Website: <http://www.wyner.info/research/>

### Citizenship and Visa Status

- Citizen of the United States of America and Israel
- United Kingdom Tier 1 (General) Migrant Visa

### Marital Status

- Divorced

### Education

- Ph.D. in Computer Science at King's College London, London, UK, 2008.  
Thesis: *Violations and Fulfillments in the Formal Representation of Contracts*  
Thesis Supervisor: Tom Maibaum
- Ph.D. in Linguistics at Cornell University, Ithaca, NY, USA, 1994.  
Thesis: *Boolean Event Lattices and Thematic Roles in the Syntax and Semantics of Adverbial Modification*  
Thesis Supervisor: Gennaro Chierchia
- B.A. in Linguistics and Philosophy at the University of Massachusetts, Amherst, MA, USA, 1984

### Academic Appointments

- Research Associate, Estrella Project, Department of Computer Science, University of Liverpool, Liverpool, UK. 2006-2008.
- Extra Academic Assistant, Department of Linguistics, School of Oriental and African Studies, University of London, London, UK. 2002-2006.
- Lecturer in Linguistics, Bar Ilan University, Ramat Gan, Israel. 1995-2001.

- Lady Davis Post-Doctoral Fellow, Hebrew University of Jerusalem, Jerusalem, Israel. 1994-1995.
- Research Assistant, Language Acquisition Project, University of California at Irvine, Irvine, CA, USA. 1984-1986.

### **Books**

- A. Wyner, *Boolean Event Lattices and Thematic Roles in the Syntax and Semantics of Adverbial Modification*. Ithaca, New York: Cornell Linguistic Circle, 1994.

### **Journal Papers**

- A. Wyner and T. Bench-Capon, "Modelling judicial context in argumentation frameworks," *Journal of Logic and Computation*, doi = {10.1093/logcom/exp009}, 2009.
- A. Wyner, "An ontology in OWL for legal case-based reasoning," *Artificial Intelligence and Law*, vol. 16, pp. 361-387, December 2008.

### **Published Conference and Workshop Papers**

- A. Wyner et al., "On controlled natural languages: Properties and prospects," in *Workshop on Controlled Natural Languages, CNL 2009* (N. E. Fuchs, ed.), no. 5972 in LNCS/LNAI, Springer, 2010. To appear.
- A. Wyner, T. Bench-Capon, and P. Dunne, "Instantiating knowledge bases in abstract argumentation frameworks," in *Proceedings of the AAI Fall Symposium 2009: The Uses of Computational Argumentation* (S. Parsons, ed.), AAI Press, 2009. Forthcoming.
- A. Wyner, R. Mochales-Palau, M.-F. Moens, and D. Milward, "Approaches to text mining arguments from legal cases," in *Semantic Processing of Legal Texts* (S. Montemagni, D. Tiscornia, and E. Francesconi, eds.), *Lecture Notes in Computer Science*, Springer, 2009. Forthcoming.
- D. Walton, K. Atkinson, T. Bench-Capon, A. Wyner, and D. Cartwright, "Argumentation in the framework of the deliberation dialogue," in *Arguing Global Governance: Agency, Lifeworlds and Shared Reasoning* (C. Bjola and M. Kornprobst, eds.), Routledge, 2010. Forthcoming.
- A. Wyner and T. Bench-Capon, "Modelling judicial context in argumentation frameworks," in *Computational Models of Argument - Proceedings of COMMA 2008* (P. Besnard, S. Doutre, and A. Hunter, eds.), *Frontiers in Artificial Intelligence and Applications*, pp. 417-428, IOS Press, 2008.
- A. Wyner, T. Bench-Capon, and K. Atkinson, *Computable Models of Legal Argument: Languages, Dialogues, Games, Ontologies*, ch. Three senses of "Argument", pp. 146-161. LNAI 4884, Springer, May 2008.
- A. Wyner, "Towards flexible types with constraints for manner and factive adverbs," in *Adjectives and Adverbs: Syntax, Semantics and Discourse* (L. McNally and C. Kennedy, eds.), pp. 249-273, Oxford University Press, 2008.
- A. Wyner and T. Bench-Capon, "Argument schemes for legal case-based reasoning," in *Legal Knowledge and Information Systems. JURIX 2007* (A. R. Lodder and L. Mommers, eds.), (Amsterdam), pp. 139-149, IOS Press, 2007.

- A. Wyner, T. Bench-Capon, and K. Atkinson, "Arguments, values and baseballs: Representation of Popov v. Hayashi," in *Legal Knowledge and Information Systems. JURIX 2007* (A. R. Lodder and L. Mommers, eds.), (Amsterdam), pp. 151-160, IOS Press, 2007.
- A. Wyner and T. Bench-Capon, "Towards an extensible argumentation system," in *ECSQARU 2007, LNAI 4724* (K. Mellouli, ed.), pp. 283-294, 2007.
- A. Wyner, "A functional program for agents, actions, and deontic specifications," in *Proceedings of the 4th International Workshop on Declarative Agent Languages and Technologies (DALT 2006)* (M. Baldoni and U. Endriss, eds.), vol. 4327 of *Lecture Notes in Computer Science*, pp. 239-256, Springer, 2006.
- A. Wyner, "Sequences, obligations, and the contrary-to-duty paradox," in *Deontic Logic and Artificial Normative Systems: Proceedings of the 8th International Workshop on Deontic Logic in Computer Science* (L. Goble and J.-J. Meyer, eds.), (Berlin), pp. 255-271, Springer-Verlag, 2006.
- A. Wyner, "Rudiments of computational jurisprudence," in *Proceedings of Workshop on Computational Semantics* (H. Bunt, J. Geertzen, and E. E.Thijse, eds.), (Tilburg, The Netherlands), pp. 416-420, 2005.
- A. Wyner, "Maintaining obligations on stative expressions in a deontic action logic," in *Proceedings of the 7th International Workshop on Deontic Logic in Computer Science* (A. Lomuscio and D. Nute, eds.), vol. 3065 of *Lecture Notes in Computer Science*, pp. 258-274, Springer, 2004.
- A. Wyner, "Subject-oriented adverbs are thematically dependent," in *Events and Grammar* (S. Rothstein, ed.), pp. 333-348, Dordrecht: Kluwer, 1998.
- A. Wyner, "A discourse theory of manner and factive adverbial modification," in *13th Twente Workshop on Language Technology (Twendial 1998)* (J. Hulstijn and A. Nijholt, eds.), pp. 249-267, 1998.
- A. Wyner, "Against the neo-davidsonian event argument: The modification set theoretic alternative," in *3rd Conference in Information-Theoretic Approaches to Logic, Language, and Computation (ITALLC 1998)* (P. Blackburn et al, eds.), (Taipei, Taiwan), pp. 50-61, 1998.
- A. Wyner, "Adverbs and argument structure," in *Proceedings of the Eastern States Conference on Linguistics (ESCOL 1989)* (K. deJong and Y. Ng, eds.), (Columbus, Ohio), pp. 289-300, The Linguistics Department, The Ohio State University, 1989.
- A. Wyner, "The semantics of adverbs and the perception problem," in *Proceedings of the Western States Conference on Linguistics (WECOL 1989)* (F. H. Brengelman, V. Samiiian, and W. Wilkins, eds.), (Fresno, California), pp. 355-362, Linguistics Department, California State University/Fresno, 1989.

#### **Under Review**

- A. Wyner and R. Hoekstra, "An OWL ontology for legal cases with an instantiation of Popov v. Hayashi," *Knowledge Engineering Review*, 2010.

#### **Blog**

- A. Wyner, *Language Logic Law Software*

#### **Magazine Articles and Reviews**

- A. Wyner “The language of law on the web,” Legal Technology, online July 9, 2009 at <http://www.law.com/jsp/legaltechnology/>
- A. Wyner “Legal ontologies spin a semantic web,” Legal Technology, online June 8, 2009 at <http://www.law.com/jsp/legaltechnology/>
- A. Wyner “Text-mining case law,” Legal Technology, online March 20, 2009 at <http://www.law.com/jsp/legaltechnology/>
- A. Wyner “An ‘intelligent’ support tool to argue law,” Legal Technology, online January 28, 2009 at <http://www.law.com/jsp/legaltechnology/>
- A. Wyner, “Computational linguistics books on review,” Glot International, vol. 7, no. 9/10, 2003.

### **Research Interests**

- In Linguistics: the formal syntax and semantics of adverbial modification, event theory, Montague Grammar, plurals, quantification, Discourse Representation Theory, ellipsis, thematic dependency, philosophy of language.
- In Computer Science: artificial intelligence and law, case based reasoning, computational jurisprudence, argumentation, ontologies, logics (deontic, action, and modal), multi-Agent systems, computational semantics, computational linguistics, functional programming (Haskell).

### **Teaching Interests in Computer Science**

- Artificial intelligence and law, case based reasoning, computational jurisprudence, argumentation, logic (deontic, action, and modal), multi-agent systems, functional programming, computational semantics, social science simulation, artificial intelligence, discrete mathematics, conceptual analysis and logical modelling, computational linguistics, Java, PHP, MySQL, Haskell.

### **Teaching Experience in Linguistics**

- Graduate: the syntax and semantics of adverbial modification, intensionality, plurals, logical form, discourse representation theory.
- Undergraduate: introduction to linguistics, introductory to advanced semantics, introductory to advanced syntax, psycholinguistics, introduction to morphology, topics in morphology, lexical semantics, computational linguistics in Java.

### **Programming Experience**

- Haskell (a functional programming language), NetLogo (a multi-agent simulation system), Java (an object-oriented language), PHP and MySQL in Linux.

### **Recent Organisational Experience**

- Tutorial on Natural Language Processing Techniques for Managing Legal Resources on the Semantic Web at JURIX December 2009.
- Workshop on Natural Language Engineering of Legal Argumentation at JURIX December 2008 and at ICAIL June 2009. Co-organiser Professor Tom van Engers.

### **Fellowships**

- September 2001 - September 2005. Four year studentship at King's College, London, Department of Computer Science to work on the formalisation and implementation of business contracts. Funded by Hewlett-Packard Research Labs, Bristol, UK.
- October 1994 - October 1995. Lady Davis Junior Researcher Fellowship at Hebrew University of Jerusalem, Jerusalem, Israel.

**Memberships**

- Association for the Advancement of Artificial Intelligence
- British Computer Society
- Association for Computing Machinery

**References**

- Professor Trevor Bench-Capon, University of Liverpool – [tbc@liverpool.ac.uk](mailto:tbc@liverpool.ac.uk)
- Professor Tom Maibaum, McMaster University – [tom@maibaum.org](mailto:tom@maibaum.org)
- Professor Shalom Lappin, King's College London – [shalom.lappin@kcl.ac.uk](mailto:shalom.lappin@kcl.ac.uk)