

Curriculum Vita

Chuck C. Liang

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Education

- Ph.D., Computer and Information Science, University of Pennsylvania, December 1995.
Dissertation: *Object-Level Substitution, Unification and Generalization in Meta-Logic*.
- B.S. in Computer Science and in Mathematics, University of Oregon, June 1989

Appointments

2004- Associate Professor, Hofstra University
2000-04 Assistant Professor, Hofstra University
1997-2000 Visiting Assistant Professor, Trinity College
1996-97 Assistant Professor, Frostburg State University
1995-96 Postdoctoral Research Assistant, University of Pennsylvania.
1995-96 Instructor, University of Delaware.
1991-95 Graduate Research Assistant, University of Pennsylvania.
1990-91 Graduate Teaching Assistant, University of Pennsylvania.

Short Term Appointments

2007,2008 (Summer) *Attache de Recherche*, Laboratoire LIX, Ecole Polytechnique, France
2000 (Summer) Research Associate, University of Minnesota
1999 (Summer) Research Associate, Pennsylvania State University
1998 (Summer) Adjunct Assistant Professor, Hartford Graduate Center

Teaching Experiences

1. Fundamentals of Computer Science I (in Python, Java and C++)
2. Fundamentals of Computer Science II (in Java and C++)
3. Data Structures and Algorithms
4. Assembly Language Programming
5. Operating Systems
6. Programming Languages
7. Data Communications and Networking
8. Special Topics on Network Programming
9. Special Topics on Distributed Middleware
10. Computer Organization
11. Computer Architecture
12. Discrete Mathematics
13. Compiler Design and Implementation
14. Artificial Intelligence
15. Logic and Computation
16. Applications Programming with Microsoft Windows
17. Computers in a Modern Society

Research Publications

1. Chuck Liang and Dale Miller. “A Unified Sequent Calculus for Focused Proofs.” To appear in 24th IEEE Symposium on Logic in Computer Science (LICS), 2009.
2. Chuck Liang and Dale Miller. “Focusing and Polarization in Linear, Intuitionistic and Classical Logic.” To appear in the *Journal of Theoretical Computer Science*.
3. Chuck Liang and Dale Miller. “Focusing and Polarization in Intuitionistic Logic.” *16th EACSL Annual Conference on Computer Science and Logic*. pages 451-465. Springer-Verlag Lecture Notes in Computer Science No. 4646. September 2007

4. Chuck Liang. "Aspect-Oriented Programming in Higher-Order and Linear Logic." *The 9th International Symposium on Practical Aspects of Declarative Languages*. pages 305-319. Springer-Verlag Lecture Notes in Computer Science No. 4354. January 2007.
5. Chuck Liang, Gopalan Nadathur and Xiaochu Qi. "Choices in Representation and Reduction Strategies for Lambda Terms in Intensional Contexts." *Journal of Automated Reasoning*, Vol 33, No. 2. pages 89-132. 2005.
6. Chuck Liang and Gopalan Nadathur. "Tradeoffs in the Intensional Representation of Lambda Terms." *The 13th International Conference on Rewriting Techniques and Applications*. pages 192-206. Springer-Verlag Lecture Notes in Computer Science No. 2378, 2002.
7. Chuck Liang. "Compiler Construction in Higher Order Logic Programming." *The 4th International Symposium on Practical Aspects of Declarative Languages*. pages 47-63. Springer-Verlag Lecture Notes in Computer Science No. 2257, 2002.
8. Chuck Liang. "A Deterministic Bottom-Up Parser Generator for a Logic Programming Language." *Proceedings of the First International Conference on Computational Logic*, pages 1315-1329. Springer-Verlag Lecture Notes in Artificial Intelligence No. 1861. 2000.
9. Chuck Liang. "Free Variables and Subexpressions in Higher-Order Meta Logic." *The 11th International Conference on Theorem Proving in Higher Order Logics*, pages 263-276. Springer-Verlag Lecture Notes in Computer Science Vol. 1479. 1998.
10. Chuck Liang. "Let-Polymorphism and Eager Type Schemes." *Proceedings of the 7th International Joint Conference on the Theory and Practice of Software Development*. Pages 490-501. Springer-Verlag Lecture Notes in Computer Science Vol. 1214, 1997.
11. Chuck Liang. "Substitutions for Proofs and Types as Logic Programming." Proceedings of the Workshop on Proof Search in Type Theoretic Languages, part of The 13th International Conference on Automated Deduction (CADE). Rutgers University, 1996.
12. Chuck Liang. "Specifying Object-Level Unification in λ Prolog." Proceedings of the Seventh International Workshop on Unification, edited by Wayne Snyder. Boston University, 1993.
13. Chuck Liang. " λ Prolog Implementation of Ripple-Rewriting." Proceedings of the Workshop on the λ Prolog Programming Language, compiled by Dale Miller. University of Pennsylvania, August 1992.

Publications on Computer Science Education:

1. "Programming Language Concepts and Perl." *Journal of the Consortium on Computing Sciences in Colleges*, April 2004.
2. "A Course on TCP/IP Networking with Linux." *Journal of Computing in Small Colleges*, Vol. 15, No. 5. 2000

Grants Activity

1. Faculty Associate on *Aquisition of a Beowulf Super Computer for Physical Science Research*. NSF 2003.
2. Hofstra University HCLAS Faculty Research and Development Grant, 2001, 2006