

Sam Tobin-Hochstadt

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Research Interests

My research focuses on the design and analysis of software and programming languages. I am particularly interested in how programs grow from prototype scripts to robust software, and how programming language design can support this process.

Appointments

2019—	Associate Professor, Luddy School of Informatics, Computing, and Engineering, Indiana University
2013—2019	Assistant Professor, Luddy School of Informatics, Computing, and Engineering, Indiana University
2011—2013	Research Assistant Professor, CCIS, Northeastern University
2009—2011	Mozilla Postdoctoral Research Fellow, CCIS, Northeastern University
2004—2006	Intern, Programming Languages Research Group, Sun Microsystems Labs

Education

2010	Ph.D in Computer Science, Northeastern University Thesis title: <i>Typed Scheme: From Scripts to Programs</i> , CCIS Outstanding Research Award
2006	MA in Computer Science, Northeastern University
2003	BS in Computer Science with Honors, University of Chicago

Grants

2018—2023	Performant Sound Gradual Typing, Principal Investigator (Co-PIs Jeremy Siek and Matthias Felleisen). Grant awarded by NSF CCF. \$885,006 to IU
2018—2022	Racket on Alternative Platforms, Co-Principal Investigator (PI Matthias Felleisen). Grant awarded by NSF CRI. \$225,996 to IU
2017—2021	Eat your Wheaties: Multi-Grain Compilers for Parallel Builds at Every Scale, Co-Principal Investigator (PI Ryan Newton). Grant awarded by NSF CCF. \$499,986 to IU
2015—2018	Gradual Typing Across the Spectrum, Co-Principal Investigator (PI Matthias Felleisen). Grant awarded by NSF CCF. \$584,715 to IU
2014—2017	Compiler Coaching, Co-Principal Investigator (PI Matthias Felleisen). Grant awarded by NSF CCF. \$136,247 to IU
2014—2017	Science of Security Lablet, Co-PI for Lablet grant to University of Maryland (PI Jonathan Katz). Grant awarded by National Security Agency. \$150,000 to IU
2012—2016	Behavioral Software Contract Verification, Principal Investigator (Co-PI David Van Horn). Grant awarded by NSF CCF. \$399,992
2011—2012	Gift from the Mozilla Foundation, \$74,900
2009—2011	2-year Mozilla Research Fellowship, Mozilla Foundation, \$200,000

Awards

- 2023 Luddy Faculty Recognition Award
given to a small number of faculty in Luddy each year
- 2017 Indiana University Trustees Teaching Award
given to a small number of faculty per school each year
- 2017 Distinguished Visiting Fellow, Scottish Informatics & Computer Science Aliiance
supported a visit to Scotland, hosted by Dr. Patrick Maier

Publications: Journals & Selective Conferences

- 2025 A Pedagogically-Focused Translation Pipeline for Designing Loops in Programming, L. Joshua Crotts, Chung-chieh Shan, Sam Tobin-Hochstadt, *Proc. IEEE Frontiers in Education Conference (FIE)*.
- 2024 Garbage Collection for Mostly Serialized Heaps, Chaitanya S. Koparkar, Vidush Singhal, Aditya Gupta, Mike Rainey, Michael Vollmer, Artem Pelenitsyn, Sam Tobin-Hochstadt, Milind Kulkarni, Ryan Newton, *Proc. International Symposium on Memory Management (ISMM)*.
- 2023 Rhombus: A new spin on macros without all the parentheses, Matthew Flatt, Taylor Allred, Nia Angle, Stephen De Gabrielle, Robert Bruce Findler, Jack Firth, Kiran Gopinathan, Ben Greenman, Siddhartha Kasivajhula, Alex Knauth, Jay McCarthy, Sam Phillips, Sorawee Porncharoenwase, Jens Axel Søgaard, Sam Tobin-Hochstadt, *Proceedings of the ACM on Programming Languages (OOPSLA)*. **Artifact successfully evaluated**
- 2022 Type checking extracted methods, Yuquan Fu, Sam Tobin-Hochstadt, *The Art, Science, and Engineering of Programming*.
Sham: a DSL for fast DSLs, Rajan Walia, Chung-chieh Shan, Sam Tobin-Hochstadt, *The Art, Science, and Engineering of Programming*.
Forward Build Systems, Formally, Sarah Spall, Neil Mitchell, Sam Tobin-Hochstadt, *Proceedings of the Conference on Certified Programs and Proofs (CPP)*.
- 2021 Corpse reviver: sound and efficient gradual typing via contract verification, Cameron Moy, Phuc C. Nguyen, Sam Tobin-Hochstadt, David Van Horn, *Proceedings of the ACM on Programming Languages (POPL)*. **Artifact successfully evaluated**
- 2020 Build Scripts with Perfect Dependencies, Sarah Spall, Neil Mitchell, Sam Tobin-Hochstadt, *Proceedings of the ACM on Programming Languages (OOPSLA)*.
- 2019 Experience Report: Rebuilding Racket on Chez Scheme, Matthew Flatt, Caner Dericci, R. Kent Dybvig, Andrew W. Keep, Gustavo E. Massaccesi, Sarah Spall, Sam Tobin-Hochstadt, Jon Zeppieri, *Proceedings of the International Conference on Functional Programming (ICFP)*. **Artifact successfully evaluated**
From high-level inference algorithms to efficient code, Rajan Walia, Praveen Narayanan, Jacques Carette, Sam Tobin-Hochstadt, Chung-chieh Shan, *Proceedings of the International Conference on Functional Programming (ICFP)*.
Size-change termination as a contract: dynamically and statically enforcing termination for higher-order programs, Phuc Nguyen, Thomas Gilray, Sam Tobin-Hochstadt, David Van Horn, *Proc. Conference on Programming Language Design and Implementation (PLDI)*. **Artifact successfully evaluated**
- 2018 A Programmable Programming Language, Matthias Felleisen, Matthew Flatt, Robert Bruce Findler, Shriram Krishnamurthi, Eli Barzilay, Jay A. McCarthy, Sam Tobin-Hochstadt, *Communications of the ACM*. **Cover article**
An extended account of contract monitoring strategies as patterns of communication, Cameron Swords, Amr Sabry, Sam Tobin-Hochstadt, *Journal of Functional Programming*.

- 2018 Soft contract verification for higher-order stateful programs, Phuc Nguyen, Thomas Gilray, Sam Tobin-Hochstadt, David Van Horn, *Proc. 45th Symposium on Principles of Programming Languages (POPL)*. **Artifact successfully evaluated**
- 2017 Sound gradual typing: only mostly dead, Spenser Bauman, Carl Friedrich Bolz-Tereick, Jeremy G. Siek, Sam Tobin-Hochstadt, *Proc. of the 2017 Conference on Object Oriented Programming Systems, Languages, and Applications (OOPSLA)*.
- 2017 Compiling Tree Transforms to Operate on Packed Representations, Michael Vollmer, Sarah Spall, Buddhika Chamith, Laith Sakka, Chaitanya Koparkar, Milind Kulkarni, Sam Tobin-Hochstadt, Ryan Newton, *Proc. of the 31st European Conference on Object-Oriented Programming (ECOOP)*.
- Migratory Typing, Ten Years Later, Sam Tobin-Hochstadt, Matthias Felleisen, Robert Bruce Findler, Matthew Flatt, Ben Greenman, Andrew M. Kent, Vincent St-Amour, T. Stephen Strickland, Asumu Takikawa, *Proc. of the 2nd Symposium on Advances in Programming Languages (SNAPL)*.
- 2017 Higher-order symbolic execution for contract verification and refutation, Phuc Nguyen, Sam Tobin-Hochstadt, David Van Horn, *Journal of Functional Programming*.
- 2016 Occurrence typing modulo theories, Andrew Kent, David Kempe, Sam Tobin-Hochstadt, *Proc. 37th Conference on Programming Language Design and Implementation (PLDI)*. **Artifact successfully evaluated**
- A Recursive Union of some Gradual Types, Jeremy Siek, Sam Tobin-Hochstadt, *A list of successes that can change the world: Festschrift in honor of Philip Wadler*.
- Parallel Type-checking with Haskell using Saturating LVars and Stream Generators, Ryan Newton, Ömer Sinan Agacan, Peter Fogg, Sam Tobin-Hochstadt, *21st ACM SIGPLAN Symposium on Principles and Practice of Parallel Programming (PPoPP)*.
- 2016 Practical Optional Typing for Clojure, Ambrose Bonnaire-Sergeant, Rowan Davies, Sam Tobin-Hochstadt, *Proc. of the 25th European Symposium on Programming (ESOP)*.
- 2015 Pycket: A Tracing JIT For a Functional Language, Spenser Bauman, Carl Friedrich Bolz, Jeremy Siek, Vasily Krilichev, Tobias Pape, Robert Hirshfeld, Sam Tobin-Hochstadt, *Proc. of the 20th International Conference on Functional Programming (ICFP)*.
- Expressing Contract Monitors as Patterns of Communication, Cameron Swords, Sam Tobin-Hochstadt, Amr Sabry, *Proc. of the 20th Intl. Conference on Functional Programming (ICFP)*.
- Towards Practical Gradual Typing, Asumu Takikawa, Dan Felty, Earl Dean, Matthew Flatt, Robert Bruce Findler, Sam Tobin-Hochstadt, Matthias Felleisen, *Proc. of the 29th European Conference on Object-Oriented Programming (ECOOP)*. **Distinguished Paper Award**
- The Racket Manifesto, Matthias Felleisen, Matthew Flatt, Robert Bruce Findler, Shriram Krishnamurthi, Eli Barzilay, Jay A. McCarthy, Sam Tobin-Hochstadt, *Proc. of the 1st Symposium on Advances in Programming Languages (SNAPL)*.
- Monotonic References for efficient gradual typing, Jeremy Siek, Michael M. Vitousek, Matteo Cimini, Sam Tobin-Hochstadt, Ronald Garcia, *Proc. of the 24th European Symposium on Programming (ESOP)*.
- 2014 Soft Contract Verification, Phuc C. Nguyen, Sam Tobin-Hochstadt, David Van Horn, *Proc. 19th International Conference on Functional Programming (ICFP)*.
- Taming the Parallel Effect Zoo: Extensible Deterministic Parallelism with LVish, Lindsey Kuper, Aaron Todd, Sam Tobin-Hochstadt, Ryan Newton, *Proc. 35th Conference on Programming Language Design and Implementation (PLDI)*. **Artifact successfully evaluated**
- The Network as a Language Construct, Tony Garnock-Jones, Sam Tobin-Hochstadt, Matthias Felleisen, *Proceedings 22nd European Symposium on Programming (ESOP)*.

- 2013 From Principles to Practice with Class in the First Year, Sam Tobin-Hochstadt, David Van Horn, *Proceedings Second Workshop on Trends in Functional Programming In Education (TF-PIE)*, EPTCS Vol. 136.
- Constraining Delimited Control with Contracts, Asumu Takikawa, T. Stephen Strickland, Sam Tobin-Hochstadt, *Proc. of the 22nd European Symposium on Programming (ESOP)*.
- 2012 Gradual Typing for First-Class Classes, Asumu Takikawa, T. Stephen Strickland, Christos Dimoulas, Sam Tobin-Hochstadt, Matthias Felleisen, *Proc. of the 2012 Conference on Object Oriented Programming Systems, Languages, and Applications (OOPSLA)*. **Best Student Paper**
- Higher-Order Symbolic Execution via Contracts, Sam Tobin-Hochstadt, David Van Horn, *Proc. of the 2012 Conference on Object Oriented Programming Systems, Languages, and Applications (OOPSLA)*.
- Optimization Coaching, Vincent St-Amour, Sam Tobin-Hochstadt, Matthias Felleisen, *Proc. of the 2012 Conference on Object Oriented Programming Systems, Languages, and Applications (OOPSLA)*.
- Chaperones and Impersonators: Runtime Support for Reasonable Interposition, T. Stephen Strickland, Sam Tobin-Hochstadt, Robert Bruce Findler, Matthew Flatt, *Proc. of the 2012 Conference on Object Oriented Programming Systems, Languages, and Applications (OOPSLA)*.
- Complete Monitoring for Behavioral Contracts, Christos Dimoulas, Sam Tobin-Hochstadt, Matthias Felleisen, *Proc. 21st European Symposium on Programming (ESOP)*.
- Run Your Research: On the Effectiveness of Lightweight Mechanization, Casey Klein, John Clements, Christos Dimoulas, Carl Eastlund, Matthias Felleisen, Matthew Flatt, Jay A. McCarthy, Jon Rafkind, Sam Tobin-Hochstadt, Robert Bruce Findler, *Proc. 39th Symposium on Principles of Programming Languages (POPL)*.
- Typing the Numeric Tower, Vincent St-Amour, Sam Tobin-Hochstadt, Matthew Flatt, and Matthias Felleisen, *2012 Symposium on Practical Aspects of Declarative Languages (PADL)*.
- The Design and Implementation of Typed Scheme, Sam Tobin-Hochstadt, Matthias Felleisen, *Higher Order and Symbolic Computation (HOSC)*, accepted but did not appear.
- 2011 Languages as Libraries, Sam Tobin-Hochstadt, Vincent St-Amour, Ryan Culpepper, Matthew Flatt, and Matthias Felleisen, *Proc. 32nd Conference on Programming Language Design and Implementation (PLDI)*.
- 2010 Logical Types for Untyped Languages, Sam Tobin-Hochstadt, Matthias Felleisen, *Proc. 15th International Conference on Functional Programming (ICFP)*.
- 2009 Practical Variable-Arity Polymorphism, T. Stephen Strickland, Sam Tobin-Hochstadt, Matthias Felleisen, *Proc. Eighteenth European Symposium on Programming (ESOP)*.
- 2008 The Design and Implementation of Typed Scheme, Sam Tobin-Hochstadt, Matthias Felleisen, *Proc. 35th Symposium on Principles of Programming Languages (POPL)*.
- 2006 Interlanguage Migration: From Scripts to Programs, Sam Tobin-Hochstadt, Matthias Felleisen, *Dynamic Languages Symposium at OOPSLA (DLS)*.

Publications: Workshops & Technical Reports

- 2023 Beginning Student Tables, Samuel Maginot, Chung-chieh Shan, Sam Tobin-Hochstadt, *Workshop on Programming Abstractions and Interactive Notations, Tools, and Environments (PAINT)*.
- 2014 Meta-tracing makes a fast Racket, Carl Friedrich Bolz, Tobias Pape, Jeremy Siek, Sam Tobin-Hochstadt, *8th Workshop on Dynamic Languages and Applications (DYLA)*.
- 2011 Semantic Solutions to Program Analysis Problems (Abstract), David Van Horn, Sam Tobin-Hochstadt, *2011 Fun Ideas and Thoughts Session at the 32nd Conference on Programming Language Design and Implementation (FIT)*.

2010	Extensible Pattern Matching for Extensible Languages (Abstract), Sam Tobin-Hochstadt, <i>2010 Symposium on Implementation and Application of Functional Languages (IFL)</i> .
2010	Where are you going with those types? (Abstract), Vincent St-Amour, Sam Tobin-Hochstadt, Matthew Flatt, Matthias Felleisen, <i>2010 Symposium on Implementation and Application of Functional Languages (IFL)</i> .
2010	Purely Functional Data Structures for Typed Racket, Hari Prashanth K R, Sam Tobin-Hochstadt, <i>2010 Workshop on Scheme and Functional Programming</i> .
2009	Cycles without pollution: a gradual typing poem, Sam Tobin-Hochstadt, Robert Bruce Findler, <i>First Workshop on Script to Program Evolution (STOP)</i> .
2007	Advanced Macrology and the Implementation of Typed Scheme, Ryan Culpepper, Sam Tobin-Hochstadt, Matthew Flatt, <i>2007 Workshop on Scheme and Functional Programming</i> .
2005	A Core Calculus of Metaclasses, Sam Tobin-Hochstadt, Eric Allen, <i>Twelfth Workshop on Foundations of Object-Oriented Languages (FOOL)</i> .
2004–2008	Fortress Language Specification, Eric Allen, David Chase, Joe Hallet, Victor Luchangco, Jan-Willem Maessen, Sukyoung Ryu, Guy L. Steele Jr., Sam Tobin-Hochstadt, versions 0.618-1.0, Sun Microsystems Technical Report.

Patents

2006	Method and apparatus for expressing and checking relationships between types, Sukyoung Ryu, Eric Allen, Victor Luchangco, Joe Hallet, Sam Tobin-Hochstadt, US Patent 8,225,294.
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Selected Talks

2020–2025	The State of Racket. RacketCon
2018	Evolving with language. Indiana University Computer Science Colloquium
2017	From Scheme to Typed Racket. Scheme Workshop Keynote Typed Racket & Gradual Typing. Laboratory for the Foundations of Computer Science Colloquium Languages as Libraries. University of St. Andrews Computer Science Colloquium Pycket: A tracing JIT for a Functional Language. University of Glasgow Computer Science Colloquium
2016	Occurrence Typing modulo Theories. Dagstuhl meeting on Verification of Functional Programs Pycket: A tracing JIT for a functional language. École Polytechnique Fédérale de Lausanne, Informatics Colloquium Workshop on Partial Evaluation and Program Manipulation, Invited Talk University of Maryland, Computer Science Colloquium Contracts: Semantics, Verification, Optimization. Indiana University Computer Science Colloquium
2015	Pycket: A tracing JIT for Racket. IFIP Working Group 2.16 (Language Design)
2014	Typing Scheme to Typing Racket. Dagstuhl Meeting on Scripting Languages

	Typed Racket: a playground for language design.
	IFIP Working Group 2.16 (Language Design)
2014	Typed Racket and Contracts.
	Shonan Meeting on Behavioral Specification
	Typed Racket as a Research Agenda.
	EPFL Department of Computer Science
2013	From Principles to Practice with Class in the First Year.
	OOPSLA PC Meeting Workshop
	Evolving Software from Scripts to Programs.
	ETH Zurich Department of Computer Science
	Indiana University Department of Computer Science
	Iowa State University Software Engineering Seminar
	University of Idaho Department of Computer Science
	University of Iowa Department of Computer Science
2012	Research meets Application: Life on the EcmaScript Committee.
	Northeastern University Ph.D Seminar
	Occurrence Typing. Dagstuhl meeting on Foundation of Scripting Languages
	Languages as Libraries. Dagstuhl meeting on Foundation of Scripting Languages
2011	Domain-Specific Languages for GnoSys. DARPA CRASH PI Meeting
	Evolving Software from Scripts to Programs. Oregon State Department of Computer Science
2010	From Scripts to Programs. Indiana University Department of Computer Science
	Logical Types for Scheme. New England Programming Languages and Systems Symposium
	Typed Scheme: From Scripts to Programs. Harvard Programming Languages Seminar
2009	Types for Scheme, in Scheme. Boston Lisp Meeting
	Typed Scheme: From Scripts to Programs. Sun Microsystems Laboratories
	The Design and Implementation of Typed Scheme. Symposium in Honor of Mitchell Wand
2008	To Type or Not to Type. Northeastern University ACM Lecture Series

Teaching

At Indiana

2025	Introduction to Computer Science
	Software Verification
2024	Introduction to Computer Science
	Object-Oriented Software Development
2023	Introduction to Computer Science
	Introduction to Software Systems
2022	Introduction to Computer Science
	Advanced Functional Programming
	Programming Language Foundations
2021	Introduction to Computer Science
2020	Introduction to Computer Science
2019	Introduction to Computer Science
	Specification and Verification
2018	Advanced Functional Programming
2017	Introduction to Computer Science
2016	Introduction to Computer Science
	Programming Language Foundations
2015	Introduction to Computer Science
	Topics in Programming Languages: Metaprogramming

2014	Introduction to Computer Science
	Object-Oriented Software Management
2013	Object-Oriented Software Development

At Northeastern

2013	Fundamentals of Computer Science 2 (Honors)
2012	Fundamentals of Computer Science 2 (Honors)
2011	Fundamentals of Computer Science 2 (Honors)
2005	Fundamentals of Computer Science 2

Advising

Current Students

2024—	Ethan Hawk, Ph.D student
2024—	Xiao Chen, Ph.D student
2019—	Yuquan (Fred) Fu, Ph.D student

Former Students & Postdocs

2021—2023	Kartik Sabharwal, MS student, now Ph.D student at Iowa
2020—2022	Chaitanya Koparkar, Indiana University (Jointly advised with Ryan Newton), now at MathWorks
2016—2022	Sarah Spall, Ph.D student, now Research Scientist at Two Six Technologies
2016—2022	Rajan Walia, Ph.D student, now Compiler Engineer at NVidia
2015—2025	Caner Deric, Ph.D, now at Canonical
2014—2019	Andrew Kent, Ph.D student, now Research Engineer at Galois
2014—2019	Ambrose Bonnaire-Sergeant, Ph.D student, now at Cisco
2018—2019	Paulette Koronkevich, Undergraduate researcher, now Ph.D student at UBC
2015—2017	David Christiansen, Postdoc, now Research Engineer at Galois
2014—2017	Spenser Bauman, Ph.D student (Left with M.S. Degree), now at MathWorks
2015—2016	David Kempe, MS student
2015—2016	Earl Dean, Undergraduate researcher, now at Institute for Telecommunication Sciences
2010—2016	Vincent St-Amour, Ph.D student, Northeastern University (Co-advisor), now Research Assistant Professor, Northwestern University
2012—2013	Phil Nguyen, MS student, Northeastern University, now Ph.D student, University of Maryland
2009—2011	Hari Prashanth K R, MS Thesis, Northeastern University, now at Practo
2007	Ivan Gazeau, Ph.D student from École normale supérieure (Paris), now Postdoc at INRIA

Dissertation Committees

2022	Sam Caldwell, Northeastern University (Chair: Matthias Felleisen)
2020	Michael Vollmer, Indiana University (Chair: Ryan Newton)
	Buddhika Chamith, Indiana University (Chair: Ryan Newton)
2019	Michael Vitousek, Indiana University (Chair: Jeremy Siek)
	Jason Hemann, Indiana University (Chair: Daniel Friedman)
	Phil Nguyen, University of Maryland (Chair: David Van Horn)
	Tommaso Petrucciani, University of Genoa (Chair: Giuseppe Castagna)
2018	Cameron Swords, Indiana University (Chair: Amr Sabry)
2017	Roman Matthias Kiel, Universität Freiburg (Chair: Peter Thiemann)
	Tony Garnock-Jones, Northeastern University (Chair: Matthias Felleisen)

2016 Eugene Burmako, Ecole Polytechnique Federale Lausanne (Chair: Martin Odersky)
Asumu Takikawa, Northeastern University (Chair: Matthias Felleisen)

Professional Activities

2026 International Conference on Functional Programming, General Chair
2025 Conference on Programming Language Design and Implementation, Program Committee
2023 Conference on Programming Language Design and Implementation, Program Committee
International Conference on Functional Programming, Program Committee
Symposium on Principles of Programming Languages, Program Committee
2021 European Conference on Object-Oriented Programming, Program Committee
2018–2021 International Conference on Functional Programming, Publicity Chair
2020 Asian Symposium on Programming Languages and Systems, Program Committee
Workshop on Generic Programming, Program Committee
European Symposium on Programming, Program Committee
2019 Symposium on Principles of Programming Languages, Program Committee
2018 SPLASH: OOPSLA, Program Committee
Workshop on Domain-Specific Language Design and Implementation, Co-Chair
Workshop on Virtual Machines and Language Implementations, Program Committee
2017–2018 SPLASH: OOPSLA, Artifact Evaluation Committee Co-Chair
2017–2018 <Programming>, Program Committee
2017 Symposium on Principles of Programming Languages, External Review Committee
International Conference on Functional Programming, Program Committee
SPLASH: Onward! Research Papers, Program Committee
2016 International Conference on Functional Programming, External Review Committee
ICLOOPS, Program Committee
Symposium on Functional and Logic Programming, Program Committee
Dynamic Languages Symposium, Program Committee
2015– IFIP Working Group 2.16 (Language Design), Member
2015 Conference on Programming Language Design and Implementation, Program Committee
Symposium on Principles of Programming Languages, External Review Committee
Workshop on Generic Programming, Program Committee

2014	Symposium on Implementation and Application of Functional Languages, Chair Student Research Competition at ICFP, Program Committee Dynamic Languages Symposium, Program Committee
2014	Scala Workshop, Program Committee International Lisp Conference, Program Committee
2013–2014	International Conference on Functional Programming, Workshop Co-Chair
2013	Foundations of Software Engineering New Ideas Track, Program Committee Symp. on Implementation and Application of Functional Languages, Program Committee SPLASH: OOPSLA, Program Committee SPLASH: Doctoral Symposium, Program Committee
2012	Dynamic Languages Symposium, Program Committee International Conference on Functional Programming, Program Committee Workshop on Script to Program Evolution, Chair
2010–	TC39 - ECMAScript (Standards Committee for JavaScript), Member
2011	Workshop on Scheme and Functional Programming, Program Committee New England Programming Languages and Systems Symposium, Chair Workshop on Script to Program Evolution, Program Committee Workshop on Types in Language Design and Implementation, Program Committee
2010	Workshop on Foundations of Object-Oriented Languages, Program Committee Symposium on Trends in Functional Programming, Program Committee

Reviewer for JFP, TOPLAS, ESOP, POPL, OOPSLA, ECOOP, VMCAI, ICFP, GPCE, PLDI

Professional Associations

Association for Computing Machinery, SIGPLAN