

## Matthias Felleisen

**Research Interests** I am interested in all aspects of programming languages and program design. I am the founder of PLT, a network of PL researchers who share a common code base (PLT Scheme). My research usually exploits this code base. In addition, all of my research involves teaching interests and vice versa.

### Three most descriptive recent papers

1. Tobin-Hochstadt, Felleisen. “The design and implementation of Typed Scheme.” *POPL* 2008.
2. Eastlund, Felleisen. “Making induction manifest in Modular ACL2.” *PPDP* 2009.
3. Felleisen, Findler, Flatt, Krishnamurthi. “A Functional I/O System.” *ICFP* 2009

See <http://www.ccs.neu.edu/home/matthias/papers.html>

### Current PhD students and topics

1. Sam Tobin-Hochstadt. Enriching scripts with types. Will finish by end of 2009. Post-doc at Northeastern, financed by Mozilla.
2. Ryan Culpepper. Taming, debugging, and fortifying Macros. Will finish by end of 2009. Most likely post-doc at Utah.
3. Carl Eastlund. Equipping the ACL2 theorem prover with modern linguistic structures.
4. Stevie Strickland. Contracts and types for first-class classes.
5. Christos Dimoulas. On the nature of contracts in higher-order, imperative languages. (Joint with Riccardo Pucella)

Stephen Chang is exploring various topics concerning lazy languages with me to determine whether we are a suitable match. I also work with Eli Barzilay, a research scientist who helps maintain the PLT code base.

**Former PhD students and current employment** Richard Cobbe (2008), researcher, MathWorks (Boston (MA)); Philippe Meunier (2006), lecturer (assistant professor), IIIT Bangok (Thailand); John Clements (2005), assistant professor, CalPoly; Paul Graunke (2003), researcher, Galois Inc. (Portland); Robert Findler (2001), assistant professor, Northwestern; Shriram Krishnamurthi (2000), associate professor, Brown; Matthew Flatt (1999), associate professor, University of Utah; Cormac Flanagan (1997), professor, UC Santa Cruz; Amr Sabry (1994), professor, Indiana University; Andrew Wright (1994), CTO, N-Dimension (Richmond Hill (CN)); Dorai Sitaram (1994), researcher, Verizon (GTE Lab, Boston); Rebecca Parsons (1992), consultant, ThoughtWorks (London (UK))