

CURRICULUM VITAE

FEBRUARY 2008

PERSONAL

Name Jeffrey Mark Egger
Address 296B Dalehurst Drive, Nepean, Ontario, K2G 4E4, CANADA
Citizenship Canadian
Date of Birth 18 March 1975
E-mail jeffegger@yahoo.ca
Website <http://www.mscs.dal.ca/~jegger/>

DEGREES

Degree	Institution	Supervisor	Period of Study
Ph.D.	University of Ottawa	R.F. Blute	2002–2005
M.Sc.	McGill University	M. Makkai	1993–1995
B.Sc. (1st cl. Hons.)	McGill University		1990–1993

ACADEMIC EMPLOYMENT

Position	Institution	Period of Employment
Postdoctoral Fellow	Dalhousie University	Sept. 2005–Aug. 2006
Research Assistant	University of Ottawa	Sept. 2002–Aug. 2005
Teaching Assistant	University of Ottawa	Sept. 2002–Aug. 2005
Professor	John Abbott College	Feb. 2001–Aug. 2002
Research Assistant	McGill University	Sept. 1993–Apr. 1995
Teaching Assistant	McGill University	Jan. 1994–Apr. 1995

PUBLICATIONS

J.M. Egger, *Quillen model structures, *-autonomous categories and adherence spaces*, 2006. Ph.D. thesis.
J.M. Egger, *A Quillen model structure for Chu Spaces*, 2005. In *The Proceedings of Mathematical Foundations of Programming Semantics XXI*, in the *Electronic Notes in Theoretical Computer Science*.
J.M. Egger, *Dualities in operational form*, 1996. M.Sc. thesis.

ARTICLES ACCEPTED FOR PUBLICATION

J.M. Egger and D.Kruml, *Girard couples of quantales*, to appear in *Applied Categorical Structures*, vol. 16 (13 pages).
J.M. Egger, *Star-autonomous functor categories*, to appear in *Theory and Applications of Categories*, vol. 20 (27 pages).

ARTICLES SUBMITTED TO REFEREED JOURNALS

J.M. Egger, *The Frobenius relations meet linear distributivity*, submitted to *Theory and Applications of Categories* on 16 February 2007 (14 pages).
J.M. Egger, *A complete lattice admitting no co-monoid structure*, submitted to *Mathematica Japonica* on 31 December 2006, (17 pages).

OTHER PRE-PRINTS DISTRIBUTED ON INTERNET

J.M. Egger, *Bisimulation theory and Quillen model categories*, 16 July 2007 (3 pages).
J.M. Egger, *On the definition of C^* -algebra*, 6 May 2007 (15 pages).
J.M. Egger and D. Kruml, *On the linear distributive structure of **Sup***, 4 May 2007 (12 pages).
J.M. Egger, *Quillen model categories without equalisers or coequalisers*, 12 December 2006 (6 pages).
J.M. Egger, *Infinite mateship*, 12 November 2006 (5 pages).
J.M. Egger, *Affine linear distributive categories*, 5 November 2006 (14 pages).

CONFERENCE PRESENTATIONS

Tensor quantales (with D. Krüml (speaker)), 11 August 2007, *Categorical Quantum Logic*, Oxford University.

**-autonomous functor categories*, 19 June 2007, *International Category Theory Conference (CT'07)*, Carvoeiro, Portugal.

On the definition of C^ -algebra*, 25 March 2007, *85th Peripatetic Seminar on Sheaves and Logic*, Nice, France.

The Frobenius relations meet linear distributivity, 29 July 2006, *International Category Theory Conference (CT'06)*, White Point, NS, Canada.

Of operator algebras and operator spaces, 3 December 2005, *Union College Mathematics Conference*, Schenectady, NY, USA.

More about adherence spaces, 22 October 2005, *Category Theory 'OctoberFest'*, Ottawa, ON, Canada.

A Quillen model structure for Chu spaces, 19 May 2005, *Mathematical Foundations of Programming Semantics XXI*, Birmingham, UK.

Linear distributivity and the Frobenius condition, 16 October 2004, *Category Theory 'OctoberFest'*, Montréal, QC, Canada.

Chu spaces meet abstract homotopy theory, 22 July 2004, *International Category Theory Conference (CT'04)*, Vancouver, BC, Canada.

Categories of adherence spaces, 9 November 2003, *Union College Mathematics Conference*, Schenectady, NY, USA.

**-Autonomous categories and abstract homotopy theory*, 31 May 2003, *Foundational Methods in Computer Science (FMCS'03)*, Ottawa, ON, Canada.

OTHER PRESENTATIONS

Can a braided star-autonomous category be cyclic?, 10 December 2007, unscheduled informal talk at Winter CMS meeting, London, Ontario.

An outsider's look at Girard pairs, 12 April 2007, Algebra and Geometry Seminar, Masaryk University.

Open questions in category theory, relating to measure theory, II, 23 May 2006, Atlantic Category Theory Seminar (AtCat).

Open questions in category theory, relating to measure theory, I, 2 May 2006, AtCat.

Recollections of Schenectady, 17 January 2006, AtCat.

Lying about Lie Theory, 10 November 2005, Honours Seminar, Dalhousie University.

Of operator algebras and operator spaces, 25 October 2005, AtCat.

*A tutorial on *-autonomous categories*, 11 October 2005, AtCat.

Chu spaces and abstract homotopy, 13 May 2005, Ottawa-Carleton Logic Seminar (OCLS).

On Frobenius algebras, quantales, monads and spaces, 22 February 2005, AtCat.

Linear distributivity and the Frobenius condition, 13 October 2004, OCLS.

Applications of abstract homotopy theory to linear logic, 10 August 2004, Category Theory and Computer Science Graduate Student Preconference (CTCS-GSP), Copenhagen, Denmark.

Categories of adherence spaces, 3 November 2003, OCLS.

Towards an abstract homotopy theory for adherence spaces, 28 March 2003, OCLS.

Adherence spaces, 19 November 2002, Montréal Category Theory Research Center (CTRC).

Some new models of linear logic, 15 October 2002, OCLS.

Zorn's lemma, 1 October 2002, OCLS.

Issues related to the Axiom of Choice in topos theory, 13 August 2002, CTCS-GSP, Ottawa.

Subsingletons and genuine subsingletons, 2 May 2001, CTRC.

The L-prime Ideal Theorem, and its Corollaries, 18 April 2001, CTRC.

Some little known folklore about Zorn's Lemma, 7 March 2001, CTRC.

OTHER PROFESSIONAL ACTIVITIES

Refereeing for *Theory and Applications of Categories*.