Bigraphs: the main literature (2008)

Birkedal, L. and Hildebrandt, T. (2004)

Bigraphical programming languages.

Laboratory for Context-Dependent Mobile Communication, IT University, Denmark. http://www.itu.dk/research/bpl/.

Birkedal, L., Bundgaard, M., Damgaard, T., Debois, S., Elsborg, E., Glenstrup, A., Hildebrandt, T., Milner, R. and Niss, H. (2006)

Bigraphical programming languages for pervasive computing.

In: Proc. International Workshop on Combining Theory and Systems Building in Pervasive Computing. pp653–658.

Birkedal, L., Debois, S., Elsborg, E., Hildebrandt, T. and Niss, H. (2006) **Bigraphical models of context-aware systems.**

In: Proc. 9th International Conference on Foundations of Software Science and Computation Structure, Lecture Notes in Computer Science 3921, pp187–201.

Birkedal, L. Damgaard, T., Glenstrup, A. and Milner, R, (2007) Matching of bigraphs.

In: *Proc. Workshop on Graph Transformation for Verification and Concurrency*, Electronic Notes in Theoretical Computer Science 175, Elsevier, pp3–19.

Birkedal, L., Debois, S. and Hildebrandt, T. (2006)

Sortings for reactive systems.

In: *Proc.* 17th International Conference on Concurrency Theory (CONCUR), Lecture Notes in Computer Science 4137, Springer-Verlag, pp248–262.

Bundgaard, M. and Hildebrandt, T. (2006)

Bigraphical semantics of higher-order mobile embedded resources with local names. In: *Proc. Workshop on Graph Transformation for Verification and Concurrency*, Electronic Notes in Theoretical Computer Science 154, pp7–29.

Bundgaard, M. and Sassone, V. (2006)
Typed polyadic pi-calculus in bigraphs.
In: Proc. 8th ACM SIGPLAN International Conference on Principles and Practice of Declarative Programming, pp1–12.

Damgaard, T. and Birkedal, L. (2006) **Axiomatizing binding bigraphs.** Nordic Journal of Computing 13(1–2), pp58–77.

Nordic Journal of Computing 13(1–2), pp58–77.

Grohmann, D., and and Miculan, M. (2007) **Reactive Systems over Directed Bigraphs.**

In: Proceedings of 18th Conference on Concurrency Theory (CONCUR), Lecture Notes in Computer Science 4703, Springer-Verlag, pp380–394.

Jensen,O.H. (2006) **Mobile Processes in Bigraphs.** Monograph available at

http://www.cl.cam.ac.uk/~rm135/Jensen-monograph.html.

Jensen, O.H. and Milner, R. (2003)

Bigraphs and transitions.

In: 30th SIGPLAN-SIGACT Symposium on Principles of Programming Languages, ACM Press, pp38–49.

Krivine, J., Milner, R. and Troina, A. (2008)

Stochastic bigraphs.

In: Proc. 24th International Conference on Mathematical Foundations of Programming Systems, to appear in Electronic Notes in Theoretical Computer Science.

Leifer, J.J. (2001)

Operational congruences for reactive systems.

PhD Dissertation, University of Cambridge Computer Laboratory. Distributed in revised form as Technical Report 521. Available from http://pauillac.inria.fr/~leifer.

Leifer, J.J. and Milner, R. (2000)

Deriving bisimulation congruences for reactive systems.

In: Proc. CONCUR 2000, 11th International Conference on Concurrency Theory, Lecture Notes in Computer Science 1877, Springer-Verlag, pp243–258. Available at http://pauillac.inria.fr/~leifer.

Leifer, J.J. and Milner, R. (2006) **Transition systems, link graphs and Petri nets.** Mathematical Structures in Computer Science 16, pp989–1047.

Milner, R. (2001)

Bigraphical reactive systems.

In: Proc. 12th International Conference on Concurrency Theory, Lecture Notes in Computer Science 2154, Springer-Verlag, pp16–35.

Milner, R. (2005) Axioms for bigraphical structure. Mathematical Structures in Computer Science 15, pp1005–1032.

Milner, R. (2006)

Pure bigraphs: Structure and dynamics. Information and Computation 204, pp60–122.

Milner, R. (2006)

Ubiquitous computing: Shall we understand it?. The Computer Journal 49, pp383-389. (The first *Computer Journal Lecture*).

Milner, R. (2009)

The Space and Motion of Communicating Agents.

To appear, Cambridge University Press (200 pages). Draft available (read-only) at http://www.cl.cam.ac.uk/~rml35/Bigraphs-draft.pdf.

Sassone, V. and Sobocinski, P. (2005) Locating reaction with 2-categories.

Theoretical Computer Science 333, pp297–327.