Papers by Furio Honsell

International Journals

[1] M. Forti, F. Honsell: “Set Theory with Free Construction Principles”, *Ann. Scuola Norm. Superiore di Pisa*, Cl. Sci. (4) **10**, (1983), 493-522;
[2] M. Forti, F. Honsell: “Comparison of the Axioms of Local and Global Universality”, *Zeitschrift f. math. Logik und Grundlangen d. Math.*, **30**, (1984), 193-196;
[3] M. Forti, F. Honsell: “Axioms of Choice and Free Construction Principles I”, *Bull. Soc. Math. Belg.* Vol. **36** (B), fasc. 1, ser. B, (1984), 69-79;
[4] M. Forti, F. Honsell: “A Model Where Cardinal Ordering is Universal”, *Zeitschrift f. math. Logik und Grundlangen d. Math.*, **31**, (1985), 533-536;
[5] M. Forti, F. Honsell: “The Consistency of the Axiom of Universality for the Ordering of Cardinalities”, *J. Symb. Logic*, Vol. **50**, No. 2, (1985), 502-509;
[6] M. Forti, F. Honsell: “Axioms of Choice and Free Construction Principles II”, *Bull. Soc. Math. Belg.* Vol. **37**, fasc. 2, ser. B, (1985), 1-12;
[7] M. Forti, F. Honsell: “Sull’ordinamento dei numeri reali non standard”, *Atti Acc. Naz. Lincei Rend. Cl. Sci. Fis. Mat. Nat.* (8), **79**, fasc.3-4, (1985), 1-8;
[8] M. Forti, F. Honsell: “Axioms of Choice and Free Construction Principles III”, *Bull. Soc. Math. Belg.* Vol. **39**, fasc. 1, ser. (B), (1987), 259-276;
[9] A. Avron, F. Honsell, I. Mason, R. Pollack: “Using Typed Lambda Calculus to Implement Formal Systems on a Machine”, *Jour. Aut. Reasoning*, Vol. **9**, (1992), 309-354;
[10] L. Egidi, F. Honsell, S. Ronchi Della Rocca: “Operational, Denotational and Logical Descriptions: a case study”, *Fund. Informaticae*, Vol. **16**, No. 2, (1992), 149-170;
[11] F. Honsell, S. Ronchi Della Rocca: “An Approximation Theorem for Topological Lambda Models and the topological Incompleteness of Lambda

Calculus", *Journal of Computer and System Sciences*, New York, Vol. **45**, No.1, (1992), 49-75;
[12] R. Harper, F. Honsell, G. Plotkin: "A framework for Defining Logics", *Journal of the Association for Computing Machinery*, Vol. **40**, No. 1, (1993), 143-184; extended abstract appeared in Proceeedings *LICS '87*, ACM-IEEE, Ithaca, (1987);
[13] P. Giannini, F. Honsell, S. Ronchi Della Rocca: "Type Inference: some results some problems", *Fundamenta Informaticae*, Vol. **19**, No. 1,2, (1993), 87-126;
[14] K. Fischer, F. Honsell, J. Mitchell: "A lambda calculus of objects and method specialization", *Nordic Journal of Computing*, Vol. **1**, (1994), pp.3-37; - extended abstract appeared in *LICS '93*, ACM-IEEE, Montreal, (1993), 26-38;
[15] F. Honsell, I. Mason, S. Smith, C. Talcott: "A Variable Type Logic of Effects", *Information and Computation*, Vol. **119**, No. 1, (1995), 55-90;
[16] P. Di Gianantonio, F. Honsell, G. Plotkin, "Uncountable limits and the lambda calculus", *Nordic Journal of Computing*, Vol. **2**, 1995, 127-146;
[17] M. Forti, F. Honsell: "Choice Principles in Hyperuniverses", *Annals of Pure and Applied Logic*, Vol. **77** (1996), 35-22;
[18] M. Forti, F. Honsell: "A General Construction of Hyperuniverses", *Theoretical Computer Science*, Vol. **156** (1996), 203-215;
[21] M. Forti, F. Honsell, M.Lenisa: "Axiomatic Characterization of Hyperuniverses and Applications", *Annals of the New York Academy of Sciences*, Vol. **806**, (1996), 140-163;
[20] M. Forti, F. Honsell, M.Lenisa: "An Axiomatization of partial n-place operations", *Mathematical Structures in Computer Science*, Vol. **7**, (1997), 283-302;
[21] A.Avron, F. Honsell, M.Miculan, C.Paravano: "Encoding Modal Logics in Logical Frameworks", *Studia Logica* Vol. **60**,(1998), no.1, 161–208;
[22] Furio Honsell, Alberto Pravato, Simona Ronchi: "Structured Operational Semantics of a fragment of the Language SCHEME", *Journal of Functional Programming*, **8**(4) (1998);
[23] Furio Honsell, Marina Lenisa: "Semantical Analysis of Perpetual Strategies in λ- calculus" to appear in *Theoretical Computer Science*, 1998;

Invited Lectures and invited papers

[1] M. Coppo, M. Dezani Ciancaglini, F. Honsell, G. Longo: "Extended Type Structures and Filter Lambda Models", in *Logic Colloquium '82*, (G. Lolli et al., eds.), North Holland, Amsterdam 1984, 241-262;

[2] M. Forti, F. Honsell: “Models of Selfdescriptive Set Theories”, in *Partial Differential Equations and the Calculus of Variations, Essays in Honor of Ennio De Giorgi*, I (F. Colombini et al., eds.), Birkhuser, Boston 1989, 473-518;
[3] M. Forti, F. Honsell: “Weak Foundation and Antifoundation Properties of Positively Comprehensive Hyperuniverses”, in *L'Antifondation en Logique et en Théorie des Ensembles*, (R.Hinnion ed.), Cahiers du Centre de Logique **7**, Academia, Louvain-la-Neuve, 1992, 31-43;
[4] F. Honsell, M. Lenisa: “Some results on the full-abstraction problem for restricted lambda calculi”, in *MFCS '93*, (A. Borzyszkowski et al., eds.), Lecture Notes in Computer Science **711**, Springer, Berlin, 1993, pp. 84-104;

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[1] A. Avron, F. Honsell, I. Mason: “An Overview of the Edinburgh Logical Framework”, in *Current Trends in Hardware Verification and Automated Theorem Proving*, (G. Birtwistle et al. eds), Springer, Berlin, 1989, 323-340;
[2] F. Honsell, S. Ronchi Della Rocca: “Reasoning about interpretations in qualitative lambda models”, in *Programming Concepts and Methods*, (M. Broy, D. Jones eds.), North Holland, Amsterdam, 1990, 505-521;
[3] R. Burstall, F. Honsell: “Operational Semantics in a natural deduction setting”, in *Logical Frameworks*, (Huet G., Plotkin G. eds), Cambridge University Press, Cambridge, New York, 1991, 185-214;
[4] P. Di Gianantonio, F. Honsell, “An Abstract Notion of Application”, in *TLCA '93*, (Bezem M. et al. eds.), Lecture Notes in Computer Science **664**, Springer, Berlin, 1993, 124-138;
[5] F. Honsell, I. Mason, S. Smith, C. Talcott: “A Theory of Classes for a Funtional Language with Effects”, in *CSL'92* (E.Börger et al. eds.), Lecture Notes in Computer Science **702**, Springer, Berlin, 1993, 309-326;
[6] P. Di Gianantonio, F. Honsell, S. Liani, G. Plotkin: “Countable non-determinism and uncountable limits”, in *CONCUR'94*, (B. Jonsson et al., eds.), Lecutre Notes in Computer Science **836**, Springer, Berlin, 1994, 130-145;
[7] M. Forti, F. Honsell, M. Lenisa: “Processes and Hyperuniverses”, in *Mathematical Foundations of Computer Science 1994*, (I. Privara et al., eds.), Lecutre Notes in Computer Science **841**, Springer, Berlin, 1994, 352-361;
[9] F. Honsell, M. Lenisa: “Final Semantics for Untyped Lambda Calculus”, in *TLCA '95*, (M.Dezani, G.Plotkin eds.), Lecture Notes in Computer

Science **902**, Springer, Berlin, 1995, 249-265;
[10] M.Miculan, F.Honsell: "A Natural Deduction Approach to Dynamic Logic", Types '95, (M.Coppo ed.), Lecture Notes in Computer Science **1158**, Springer, Berlin, 1996, 165-182;
[11] F.Alessi, P.Baldan, F.Honsell: "Partializing Stone Spaces using SFP Domains", CAAP '97, (M.Bidoit ed.), Lecture Notes in Computer Science **1158**, Springer , Berlin, 1997, 478-489;
[12] M. Forti, F. Honsell, M. Lenisa: "Operations, Collections and Sets within a General Axiomatic Framework" to appear in *Logic in Florence*, Cantini et al. eds. , Kluwer, to appear;
[13] F.Honsell, M.Lenisa, U.Montanari, M.Pistore: "Final Semantics for the π-calculus", Programming Concepts and Methods, D.Gries et al. eds., Chapman & Hall, 1998, 225-243;
[14] Pietro Di Gianantonio, F.Honsell, G.Liquori: "A Lambda Calculus of Objects with self-inflicted extension" to appear in OOPSLA'98;

Technical Reports

[1] F.Honsell, M.Lenisa: "Coinductive characterization of Applicative Structures" September 1998;
[2] Pietro Di Gianantonio, G.Franco, F.Honsell: "Game semantics for untyped lambda calculus" August 1998;
[3] F.Honsell, M.Miculan, I.Scagnetto: "*pi*-calculus in (Co)Inductive Type Theory" July 1998;