Curriculum Vitae

Glyn Morrill

3rd July 2017

1. Academic History

- 1984: Degree in computer science, Cambridge University, 2-1.

- 1985: Master in cognitive science, University of Edinburgh, 1 (internal grade).

- 1988: PhD in cognitive science, University of Edinburgh, *Extraction and Coordination in Phrase Structure Grammar and Categorial Grammar*. Director: Ewan Klein.

- 1988–1990: Science and Engineering Research Council (SERC) Postdoctorate researcher, Centre for Cognitive Science, University of Edinburgh.

- 1990–1991: Visiting researcher, OTS (Department of Language and Speech), Utrecht & CWI (Centre for Mathematics and Computer Science), Amsterdam.

- 1991–1992: Visiting researcher, Departament de Llenguatges i Sistemes Informàtics, Universitat Politècnica de Catalunya, Barcelona.

- 1993–1997: ATC (full time associate lecturer), Departament de Llenguatges i Sistemes Informàtics, Universitat Politècnica de Catalunya, Barcelona.

- Since 1997: TU (tenured lecturer), Departament de Llenguatges i Sistemes Informàtics, Universitat Politècnica de Catalunya, Barcelona.

2. Experience and Recognition

Distinction: ICREA Academia 2012. Personal award in recognition of research excellence of the Institució Català de Recerca i Estudis Avançats of total value 250,000 euros.

Habilitated to join the body of full professors; resolution of ANECA 22nd November 2012.

Research recognition: 4 sexennis (3 six year periods of productive research).

Teaching recognition: 3 quinquennis (3 five year periods of approved teaching).

Administrative experience: head of section of Artificial Intelligence, Departament de Llenguatges i Sistemes Informàtics, 2000–2003; coordination of degree courses Introducció a la lògica i Lògica de primer ordre; UPC principal investigator of DGICYT project MOISES; principal investigator of MINECO project APCOM; founder (with Oehrle) of the annual international conference Formal Grammar and local organiser of Formal Grammar 1995 and 2015.

3. Books

3.1 Morrill (2011) *Categorial Grammar: Logical Syntax, Semantics, and Processing*, Oxford University Press, Oxford & New York. ISBN 978–0–19–958985–2 (Hbk) & 978–0–19–958986–9 (Pbk). Research monograph.

3.2 Morrill (2001) *Lògica de primer ordre*, Edicions UPC, Barcelona. ISBN 84–8301–656–1. Textbook.

3.3 Morrill (1994/2012) *Type Logical Grammar: Categorial Logic of Signs*, Kluwer Academic Publishers, Dordrecht. ISBN 0–7923–3095–1. Republished by Springer. Research monograph. Google scholar standard reference ($>$ 500 citations).

4. Research Articles

4.1 Morrill (2017)), 'Grammar Logicised: Relativisation', *Linguistics and Philosophy*, 40(2), 119-163. ISSN 0165–0157. Open access. JCR Q2 (2016) IF = 1.214 (2016).

4.2 Morrill & Valentín (2017), 'A Reply to Kubota and Levine on Gapping', *Natural Language and Linguistic Theory*, 35(1), 257–270. ISSN 0167-806X. JCR Q3 (2016) IF = 0.506 (2016).

4.3 Morrill (2015) 'Structural Ambiguity in Montague Grammar and Categorial Grammar', *The Linguistic Review*, 32(1), 87–113. DOI 10.1515/tlr-2014-0017. ISSN 0167-6318. JCR Q3 IF = 0.5.

4.4 Morrill & Valentín (2014), 'Displacement Logic for Anaphora', *Journal of Computer and System Sciences*, 80, 390–409. ISSN 0022-0000. JCR Q2 IF = 1.138.

4.5 Morrill, Valentín & Fadda (2011) 'The Displacement Calculus' *Journal of Logic, Language and Information*, 20(1), 1–48, ISSN 0925–8531. JCR Q4 (2015) IF = 0.45 (2015).

4.6 Morrill & Valentín (2010) 'Displacement Calculus' *Linguistic Analysis*, 36, 167–192. ISSN 0098-9053.

4.7 Morrill & Fadda (2008), 'Proof Nets for Basic Discontinuous Lambek Calculus' *Journal of Logic and Computation*, 18(2), 239–256. ISSN 0955-792X. JCR Q4 IF = 0.536.

4.8 Morrill (2007), 'A Chronicle of Type Logical Grammar: 1935–1994' *Research on Language and Computation*, 5(3), 359–386. ISSN 1570-7075.

4.9 Morrill (2000) 'Incremental Processing and Acceptability' *Computational Linguistics*, 26(3). 319–338. ISSN 0891–2017. JCR undefined Q1 (2006) IF = 1.146 (2006).

4.10 Morrill (1996) 'Grammar and Logic', *Theoria*, LXII(3), 260–293. ISSN 0040–5825.

4.11   Morrill & Merenciano (1996) 'Generalising Discontinuity', *Traitement automatique des langues*, 27(2), 119–143. ISSN 1248–9433.

4.12   Morrill (1995) 'Discontinuity in Categorial Grammar', *Linguistics and Philosophy*, 18(2), 175–219. ISSN 0165–0157. JCR Q3 (2008) IF = 0.537 (2008).

4.13   Morrill (1995) 'Clausal Proofs and Discontinuity', *Bulletin of the Interest Group in Pure and Applied Logic*, 3(2, 3), 403–427. ISBN 0–7286–0229–6.

4.14   Morrill (1990) 'Intensionality and Boundedness', *Linguistics and Philosophy*, 13(6), 699–726. ISSN 0165–0157. JCR Q3 (2008) IF = 0.537 (2008).

4.15   Morrill & Carpenter (1990) 'Compositionality, Implicational Logics and Theories of Grammar', *Linguistics and Philosophy*, 13(2), 383–392. ISSN 0165–0157. JCR Q3 (2008) IF = 0.537 (2008).

5. Other Journal Articles

5.1   Morrill (1993) 'The categorial methodology doesn't admit of compromise (interview)', *TA!*, 2(2), 85–94.

5.2   Morrill (1991) 'Review of R.T. Oehrle, E. Bach & D. Wheeler (1988, eds.) Categorial Grammars and Natural Language Structures', *Lingua*, 83(4), 351–355. ISSN 0024–3841. IF = 0.547

5.3   Morrill (1990) 'Review of W. Buszkowski, W. Marciszewski & J. van Benthem (1988, eds.) Categorial Grammar', *Computers and Translation*, 5(2), 186–189.

5.4   Morrill (1989) 'Review of G.E. Barton, R.C. Berwick & E.S. Ristad (1987) Computational Complexity and Natural Language' *Computers and Translation*, 251–255.

6. Editing of Special Issue

6.1   Morrill & Kempson (2007, eds.) 'Foundations of Natural Language Grammar', special issue of *Research on Language and Computation*, 5(3). ISSN 1570-7075.

7. Reference Works

7.1   Morrill (2012) 'Logical Grammar', in Ruth Kempson, Tim Fernando & Nicholas Asher (eds.) *The Handbook of Philosophy of Linguistics*, Elsevier, Oxford and Amsterdam, pp. 63–92. ISBN 978–0–444–51747–0.

7.2   Morrill (2010) 'Categorial Grammar', in Bernd Heine & Heiko Narrog (eds.) *The Oxford Handbook of Linguistic Analysis*, Oxford University Press, Oxford & New York, pp. 67–86. ISBN 978–0–19–954400–4.

7.3   Morrill (2006) 'Categorial Grammars: Deductive Approaches', in Keith Brown (ed.) *Encyclopedia of Language and Linguistics, 2nd Edition*, Elsevier, Oxford, Volume 2 pp. 242–248. ISBN 0–08–044299–4.

7.4   Morrill (2003) 'Syntax and Semantics: Formal Approaches', in Lynn Nadel (ed.) *Encyclopedia of Cognitive Science*, Volume 4 pp. 338–345, Nature Publishing Group, MacMillan, Londres, Nueva York & Tokyo. ISBN 0–333–792610.

8. Book Chapters

8.1   Morrill & Valentín (2016) 'Computational Coverage of TLG: The Montague Test', in Christopher Piñón (ed.) Empirical Issues in Syntax and Semantics 11, pp. 141–170. Paris: Colloque de Syntaxe et Sémantique à Paris (CSSP). http://www.cssp.cnrs.fr/eiss11/

8.2   Morrill (2014) 'A Categorial Type Logic', in Claudia Casadio, Bob Coeke, Michael Moortgat and Philip Scott (eds.) *Categories and Types in Logic, Language and Physics: Essays Dedicated to Jim Lambek on the Occasion of His 90th Birthday*. Springer LNCS Volume 8222, FoLLI Publications in Logic, Language and Information, pp. 331–352. ISBN 978–3–642–54788–1.

8.3   Morrill & Gavarró (2010) 'Categorial Complexity of Relativization and Child Romance Performance', in Pedro Guijarro-Fuentes & Laura Domínguez (eds.) *New Directions in Language Acquisition: Romance Languages in the Generative Perspective*, Cambridge Scholars Publishing, Newcastle upon Tyne, pp.365–387. ISBN (10): 1–4438–2123–3 & (13): 978–1–4438–2123–0.

8.4   Morrill (2005) 'Geometry of Language and Linguistic Circuitry', in C. Casadio, P.J. Scott & R.A.G. Seely (eds.) *Language and Grammar: Studies in Mathematical Linguistics and Natural Language*, CSLI Lecture Notes Number 168, CSLI Publications, Stanford University, pp. 237–264. ISBN 1–57586–488–6.

8.5   Fadda & Morrill (2005) 'The Lambek Calculus with Brackets', in C. Casadio, P.J. Scott and R.A.G. Seely (eds.) *Language and Grammar: Studies in Mathematical Linguistics and Natural Language*, CSLI Lecture Notes Number 168, CSLI Publications, Stanford University, pp. 113–128. ISBN 1–57586–488–6.

8.6   Morrill (2003) 'On Bound Anaphora in Type Logical Grammar', in Geert-Jan M. Kruijff & Richard T. Oehrle (eds.) *Resource-Sensitivity, Binding and Anaphora*, Studies in Linguistics and Philosophy Volume 80, Kluwer Academic Publishers, Dordrecht, pp. 159–177. ISBN 1–4020–1691–3.

8.7   Morrill (2002) 'Islands, Coordination and Parasitic Gaps', in V.M. Abrusci & C. Casadio (eds.) *Papers in Formal Linguistics and Logic*, Bulzoni Editore, Roma, pp. 217–243. ISBN 88–8319–748–8.

8.8   Morrill (1999) 'Relational Interpretation and Geometrical Form', in V. Michele Abrusci & Claudia Casadio (eds.) *Dynamic Perspectives in Logic and Linguistics*, Bulzoni Editore, Roma, pp. 145–182. ISBN 8319–443–8.

8.9   Morrill & Gavarró (1995) 'Semiòtica, funció simbòlica i llenguatge poètic: Relacions amb la lingüística', in Pere Folch i Mateu & M. Teresa Miró i Coll (eds.) *Debats a la cruïlla sobre el símbol*, Promociones y Publicaciones Universitaries, Barcelona, pp. 169–175. ISBN 84–477–0479–3.

8.10   Morrill (1992) 'The Logical School of Categorial Grammar', in Alain Lecomte (ed.) *Word Order in Categorial Grammar / L'Ordre des Mots dans les Grammaires Catégorialles*, Adosa, Clermont-Ferrand, pp. 81–92. ISBN 2–86639–006–7.

8.11   Morrill & Gavarró (1992) 'Catalan Clitics', in Alain Lecomte (ed.) *Word Order in Categorial Grammar / L'Ordre des Mots dans les Grammaires Catégorialles*, Adosa, Clermont-Ferrand, pp. 211–232. ISBN 2–86639–006–7.

9.   Papers in Occasional Volumes

9.1   Morrill & Gavarró (2004) 'On Aphasic Comprehension and Working Memory Load', in Michael Moortgat & Violane Prince (eds.) *Proceedings of Categorial Grammars: An efficient tool for Natural Language Processing*, Montpellier, pp. 159–177.

9.2   Morrill (1996) 'Memoisation of Categorial Proof Nets: Parallelism in Categorial Processing', in M.V. Abrusci & C. Casadio (eds.) *Applications of Logic to the Analysis and Implementation of Natural Languge*, CLUEB, Bologna, pp. 157–169.

9.3   Morrill (1994) 'Structural Facilitation and Structural Inhibition', in M.V. Abrusci, C. Casadio & M. Moortgat (eds.) *Linear Logic and Lambek Calculus*, ESPRIT BRA 6852, pp. 183–210.

9.4   Morrill (1993) 'Discontinuity and Pied-Piping in Categorial Grammar', in Moortgat, M. (ed.) *Polymorphic Treatments*, ESPRIT BRA 6852, pp. 61–112.

9.5   Morrill, Leslie, Hepple & Barry (1990) 'Categorial Deductions and Structural Operations', in G. Barry & G. Morrill (eds.) *Studies in Categorial Grammar*, Edinburgh Working Papers in Cognitive Science Volume 5, pp. 1–21.

9.6   Morrill (1987) 'Phrase Structure Grammar and Categorial Grammar', in E. Klein & J. van Benthem (eds.) *Categories, Polymorphism and Unification*, Centre for Cognitive Science, Edinburgh & Institute for Logic, Language and Information, Amsterdam, pp. 201–230.

9.7   Morrill (1987) 'Meta-Categorial Grammar', in N. Haddock, E. Klein & G. Morrill (eds.) *Categorial Grammar, Unification Grammar, and Parsing*, Edinburgh Working Papers in Cognitive Science Volume 1, pp. 1–29.

10.   Collections Edited

10.1   Foret, Morrill, Muskens, Osswald & Pogadolla 2016 (eds.) *Formal Grammar: 20th and 21st International Conferences; FG 2015 Barcelona, Spain, August 2015, Revised Selected Papers; FG 2016 Bolzano, Italy, August 2016, Proceedings.* Springer Lecture Notes in Computer Science, FoLLI Publications on Logic, Language and Information, LNCS 9804, Springer, Heidelberg.

10.2   Foret, Morrill, Muskens & Osswald 2015 (eds.) *Formal Grammar: 20th International Conference; FG 2015 Barcelona, Spain, August 2015, Preproceedings.*

10.3   Morrill, Muskens, Osswald & Richter 2014 (eds.) *Formal Grammar: 19th International Conference; FG 2014 Tübingen, Germany, August 2014, Proceedings.* Springer Lecture Notes in Computer Science, FoLLI Publications on Logic, Language and Information, LNCS 8612, Springer, Heidelberg.

10.4   Morrill & Nederhof 2013 (eds.) *Formal Grammar: 17th and 18th International Conferences; FG 2012 Opole, Poland, August 2012, Revised Selected Papers; FG 2013 Düsseldorf, Germany, August 2013, Proceedings.* Springer Lecture Notes in Computer Science, FoLLI Publications on Logic, Language and Information, LNCS 8036, Springer, Heidelberg. ISBN 978–3–642–39997–8.

10.5   De Groote, Morrill & Retoré (2001, eds.) *Logical Aspects of Computational Linguistics, Proceedings of the Fourth International Conference, LACL'01*, Springer Lecture Notes in Artificial Intelligence, LNAI 2099, Springer-Verlag, Berlín. ISBN 3–540–42273–0.

10.6   Kruijff, Morrill & Oehrle (1997, eds.) *Proceedings of the Third Conference on Formal Grammar, FG97*, Foundation for Logic, Language and Information, Aix-en-Provence.

10.7   Kruijff, Morrill & Oehrle (1996, eds.) *Proceedings of the Second Conference on Formal Grammar, FG96*, Foundation for Logic, Language and Information, Prague.

10.8   Morrill & Oehrle (1995, eds.) *Proceedings of the Conference on Formal Grammar, FG95*, Foundation for Logic, Language and Information, Barcelona.

10.9   Barry & Morrill (1990, eds.) *Studies in Categorial Grammar*, Edinburgh Working Papers in Cognitive Science Volume 5.

10.10   Haddock, Klein & Morrill (1987, eds.), *Categorial Grammar, Unification Grammar, and Parsing*, Edinburgh Working Papers in Cognitive Science Volume 1.

11.   Invited Talks at Conferences with Revision

11.1   Morrill (2017) 'Parsing Logical Grammar: CatLog3', Logic and Algorithms for Computational Linguistics, Stockholm. Published in the digital proceedings of LACompLing2017, DiVA, Stockholm University.

11.2   Morrill, Valentín & Fadda (2007) 'Dutch Grammar and Processing: A Case Study in TLG', 7th International Tbilisi Symposium on Logic, Language and Computation. Published in Bosch, Gabelaia & Lang (2009, eds.) *Logic, Language, and Computation: 7th International Tbilisi Symposium, Revised Selected Papers*, Springer Lecture Notes in Artificial Intelligence Number 5422, Springer, Berlin, pp. 272–286. ISBN 978–3–642–00664–7.

11.3   Morrill & Gavarró (2004) 'On Aphasic Comprehension and Working Memory Load', *The 10th Conference on Formal Grammar*, Foundation for Logic, Language and Information, Nancy.

11.4   Morrill (1995) 'Implementing Categorial Calculi in Linear Clauses', *Computational Logic for Natural Language Processing*, ELSNET, COMPULOG-NET & EAGLES, Edinburgh.

11.5   Morrill (1993) 'Discontinuity and Pied-Piping in Categorial Grammar', *Logic and Linguistics*, Association for Symbolic Logic & Linguistic Society of America, Columbus.

11.6   Morrill (1992) 'Parsing as Deduction / Grammar as Logic', *VIII Congreso de la SEPLN*, Sociedad Española para el Procesamiento del Lenguaje Natural, Granada.

12.   Conferences with Revision

12.1   Kanovich, Kuznetsov, Morrill & Scedrov (2017) 'A Polynomial-Time Algorithm for the Lambek Calculus with Brackets of Bounded Order', Formal Structures for Computation and Deduction, Oxford.

12.2   Kuznetsov, Morrill & Valentín (2017) 'Count-Invariance Including Exponentials', In Makoto Kanazawa, Philippe de Groote & Mehrnoosh Sadrzadeh (eds.) *Proceedings of the 15th meeting on the Mathematics of Language*, Association for Computational Linguistics, London, pp. 128–139.

12.3   Morrill & Valentín (2016) 'On the Logic of Expansion in Natural Language', in Maxime Amblard, Philippe de Groote, Sylvain Pogodalla and Christian Retoré (eds.) *Logical Aspects of Computational Linguistics: Celebrating 20 years of LACL (1996–2016)*, Nancy, December 2016, Proceedings. Springer Lecture Notes in Computer Science, FoLLI Publications on Logic, Language and Information, LNCS 10054, Springer, Heidelberg.

12.4   Corbalan & Morrill (2016) 'Overtly Anaphoric Control in Type Logical Grammar', in Foret, Morrill, Muskens, Osswald & Pogadolla (eds.) *Formal Grammar: 20th and 21st International Conferences; FG 2015 Barcelona, Spain, August 2015, Revised Selected Papers; FG 2016 Bolzano, Italy, August 2016, Proceedings*. Springer Lecture Notes in Computer Science, FoLLI Publications on Logic, Language and Information, LNCS 9804, Springer, Heidelberg.

12.5   Morrill & Valentín (2015) 'Multiplicative-Additive Focusing for Parsing as Deduction', in I. Cervesato and C. Schürmann (eds.) *First International Workshop on Focusing*, workshop affiliated with LPAR, Suva, Fiji, 2015. EPTCS 197, 29–54. Doi: 4204/EPTCS.197.4.

12.6   Morrill & Valentín (2015) 'Computational Coverage of TLG: Nonlinearity', in M. Kanaza-wa, L.S. Moss & V. de Paiva (eds.) *Proceedings of NLCS'15. Third Workshop on Natural Language and Computer Science, Kyoto*, workshop affiliated with *Automata, Languages and Programming, ICALP*, and *Logic in Computer Science LICS*, EPiC Volume 32, pp. 51–63, 2015.

12.7   Morrill & Valentín (2015) ' Computational Coverage of TLG: Displacement', in Y. Kubota & R. Levine (eds.) *Proceedings of Empirical Advances in Categorial Grammar*, workshop, European Summer School in Logic, Language and Information 2015, Barcelona, pp. 132–161.

12.8   Morrill & Valentín (2014) 'Semantically Inactive Multiplicatives and Words as Types', in Nicholas Asher & Sergei Soloviev (eds.) *Proceedings of Logical Aspects of Computational Linguistics, Toulouse*. Springer LNCS 8535, FoLLI Publications in Logic, Language and Information, pp. 149–162. ISBN 978–3–662–43741–4.

12.9   Valentín, Serret & Morrill (2013) 'A Count Invariant for Lambek Calculus with Additives and Bracket Modalities', in Glyn Morrill & Mark-Jan Nederhof (eds), *Proceedings of Formal Grammar 2012 and 2013*. Springer LNCS 8036, FoLLI Publications in Logic, Language and Information, pp. 263–276. ISBN 978–3–642–39997–8.

12.10   Morrill & Valentín (2012) 'Generalized Discontinuity', in Ph. de Groote & M.-J. Nederhof (eds.) *Proceedings of the 16th Conference on Formal Grammar, Copenhagen 2010, and 17th Conference on Formal Grammar, Ljubliana 2011*. Foundation for Logic, Language and Information. In Springer Lecture Notes in Computer Science No. 7395, pp. 146–161.

12.11   Morrill (2012) 'CatLog: A Categorial Parser/Theorem-Prover', in LACL 2012 System Demonstrations, pp. 13–16, Logical Aspects of Computational Linguistics 2012, Nantes.

12.12   Morrill (2011) 'Logic Programming of the Displacement Calculus', Logical Aspects of Computational Linguistics, LACL'11, Montpellier. In Sylvain Pogodalla & Jean-Philippe Prost (2011, eds.) *Logical Aspects of Computational Linguistics, Proceedings of Logical Aspects of Computational Linguistics, LACL'11*, Springer-Verlag Lecture Notes in Artifical Intelligence Number 6736, Berlin, pp. 175–189. ISNN 0302–9743 e-ISSN 1611–3349, ISBN 978–3–642–22220–7 e-ISBN 978–3–642–22221–4.

12.13   Morrill & Valentín (2010) 'On Anaphora and the Binding Principles in Categorial Grammar', 17th International Workshop on Logic, Language, Information and Computation, WoLLIC 2010, Brasília. In Anuj Dawar & Ruy de Queiroz (2010, eds.) *Proceedings of the 17th International Workshop on Logic, Language, Information and Computation*, Springer Lecture Notes in Artificial Intelligence Number 6188, Berlin, pp. 176–190. ISSN 0302–9743, ISBN–10 3–642–13823–3 ISBN–13 978–3–642–13823–2.

12.14   Morrill & Valentín (2010) 'On Calculus of Displacement', 10th International Workshop on Tree Adjoining Grammars and Related Formalisms, TAG+10, New Haven. In Srinivas Bangalore, Robert Frank & Maribel Romero (2010, eds.) *Proceedings of the 10th International Workshop on Tree Adjoining Grammars and Related Formalisms*, Linguistics Department, Yale University, pp. 45–52.

12.15   Morrill (2009) 'Chart Lambek Theorem-Proving', Workshop on Parsing Categorial Grammar, European Summer School in Logic, Language and Information, Bordeaux. In Gerald Penn (2009, ed.) *Parsing Categorial Grammar*, ESSLLI'09.

12.16   Morrill, Fadda & Valentín (2007) 'Nondeterministic Discontinuous Lambek Calculus', Seventh International Workshop on Computational Semantics IWCS–7, Tilburg. In Jeroen Geertzen, Elias Thijsse, Harry Bunt & Amanda Schiffrin (2007, eds.) *Proceedings of the Seventh International Workshop on Computational Semantics IWCS–7*, pp. 129–141.

12.17   Carpenter & Morrill (2005) 'Switch Graphs for Parsing Type Logical Grammars', Ninth International Workshop on Parsing Technology, IWPT05, Vancouver. In *Proceedings of the Ninth International Workshop on Parsing Technology*, pp. 18–29.

12.18   Morrill & Fadda (2005) 'Proof Nets for Basic Discontinuity', The Second Workshop on Lambda Calculus, Type Theory and Natural Language, London. In Maribel Fernández, Chris Fox & Shalom Lappin (2005, eds.) *Proceedings of the Second Workshop on Lambda Calculus, Type Theory and Natural Language* pp. 1–16.

12.19   Morrill (2002) 'Towards Generalized Discontinuity', 8th Conference on Formal Grammar, Foundation for Logic, Language and Information, Trento. In G. Jäger, P. Monachesi, G. Penn & S. Wintner (2002, eds.) *Proceedings of the 8th Conference on Formal Grammar*, pp. 103–111.

12.20   Morrill (1999) 'Geometry of Lexico-Syntactic Interaction', Ninth Conference of the European Chapter of the Association for Computational Linguistics, EACL'99, Bergen. In *Proceedings of EACL99*, Association for Computational Linguistics, pp. 61–70.

12.21   Morrill (1997) 'Proof Syntax of Discontinuity', The Eleventh Amsterdam Colloquium, Amsterdam. In Paul Dekker, Martin Stockhof & Yde Venema (2007, eds.) *Proceedings of the Eleventh Amsterdam Colloquium*, ILLI, Amsterdam, pp. 235–240. ISBN 90–74795–90–0.

12.22   Merenciano & Morrill (1996) 'Generation as Deduction on Labelled Proof Nets' Logical Aspects of Computational Linguistics, LACL'96, Nancy. In C. Retoré (1997, ed.) *Logical Aspects of Computational Linguistics, Proceedings First International Conference, LACL'96*, Springer-Verlag Lecture Notes in Artifical Intelligence Number 1328, Berlin, pp. 310–328. ISBN 3–540–63700–1.

12.23   Morrill (1995) 'Higher-Order Linear Logic Programming of Categorial Deduction', Seventh Conference of the European Chapter of the Association for Computational Linguistics, EACL'95, Dublin. In *Proceedings of EACL'95*, Association for Computational Linguistics, pp. 133–140.

12.24   Lloré & Morrill (1995) 'Difference Lists and Difference Bags for Logic Programming of Categorial Deduction', XI Congreso de la SEPLN, Sociedad Española para el Procesamiento del Lenguaje Natural, Deusto. In *Proceedings XI SEPLN*, pp. 115–129.

12.25   Morrill & Solias (1993) 'Tuples, Discontinuity and Gapping', Sixth Conference of the European Chapter of the Association for Computational Linguistics, EACL'93, Utrecht. In *Proceedings of EACL'93*, Association for Computational Linguistics, pp. 287–297.

12.26   Barry, Hepple, Leslie & Morrill (1991) 'Proof Figures and Structural Operators for Categorial Grammar', Fifth Conference of the European Chapter of the Association for Computational Linguistics, EACL'91, Berlin. In *Proceedings of EACL91*, Association for Computational Linguistics, pp. 198–203.

12.27   Morrill (1989) 'Grammar and Logical Types', The Seventh Amsterdam Colloquium, Amsterdam. In M. Stockhof & L. Torenvliet (2010, eds.) *Proceedings of the Seventh Amsterdam Colloquium*, ILLI, pp. 429–450.

12.28   Hepple & Morrill (1989) 'Parsing and Derivational Equivalence', Fourth Conference of the European Chapter of the Association for Computational Linguistics, EACL'89, Manchester. In *Proceedings of EACL'89*, Association for Computational Linguistics, pp. 10–18.

12.29   Morrill (1989) 'Parsing and Normal Forms', Advances in Categorial Grammar, Linguistic Society of America, Tucson.

12.30   Morrill & Carpenter (1987) 'Compositionality, Implicational Logics, and Theories of Grammar', Logic and Linguistics, Association for Symbolic Logic & Linguistic Society of America, Stanford.

12.31   Morrill (1988) 'Categories, Rules and Principles in Phrase Structure Grammar and Categorial Grammar', Meeting of the Linguistics Association of Great Britain, LAGB'88, Linguistics Association of Great Britain, Exeter.

12.32   Morrill (1986) 'Categorial Grammar and Non-Canonical Conjunts', Meeting of the Linguistics Association of Great Britain, LAGB'86, Linguistics Association of Great Britain, Edinburgh.

13.   Chairing of International Programme Committees

13.1   2016: Moortgat, Morrill & Sadrzadeh (cochairs), *Statistical and Logical Models of Meaning*, North American Foundation for Logic, Language and Information, New Jersey.

13.2   2015: Foret, Morrill, Muskens & Osswald (cochairs) *Formal Grammar, FG15*, Foundation for Logic, Language and Information, Barcelona.

13.3   2014: Morrill, Muskens, Osswald & Richter (cochairs) *Formal Grammar, FG14*, Foundation for Logic, Language and Information, Tübingen.

13.4   2013: Morrill, Nederhof, Richter & Rainer (cochairs) *Formal Grammar, FG13*, Foundation for Logic, Language and Information, Düsseldorf.

13.5   2012: Egg, Morrill, Nederhof & Richter (cochairs) *Formal Grammar, FG12*, Foundation for Logic, Language and Information, Opole.

13.6   2005: Morrill & Kempson (cochairs), *Workshop on Logical Foundations of Natural Language*, 1995 European Summer School in Logic, Language and Information, Foundation for Logic, Language and Information, Edinburgh.

13.7   2001: De Groote & Morrill (cochairs) *Logical Aspects of Computational Linguistics, LACL'01*, Le Croisic.

13.8   1997: Kruijff, Morrill & Oehrle (cochairs) *Formal Grammar, FG97*, Foundation for Logic, Language and Information, Aix-en-Provence.

13.9   1996: Kruijff, Morrill & Oehrle (cochairs) *Formal Grammar, FG96*, Foundation for Logic, Language and Information, Prague.

13.10   1995: Morrill & Oehrle (cochairs) *Formal Grammar, FG95*, Foundation for Logic, Language and Information, Barcelona.

14.   Membership of International Programme Committees

14.1   Federated Conference on Computer Science and Information Systems (FedCSIS), Prague, 2017.

14.2   *Formal Grammar, FG'17*, Toulouse, 2017.

14.3   *Association for Computational Linguistics, ACL'17* (Syntax and Parsing), Vancouver, 2017.

14.4   *Workshop on Semantic Spaces at the Intersection of NLP, Physics and Cognitive Science, SLPCS-2016*, Glasgow, 2016.

14.5   *Logical Aspects of Computational Linguistics, LACL'16*, Nancy, 2016.

14.6   *Grammar Engineering Across Frameworks, GEAF 2015*, ACL Workshop, Beijing, 2015.

14.7   *Type Theory and Lexical Semantics, TYTLES 2015*, ESSLLI Workshop, Barcelona, 2015.

14.8   *Empirical Advances in Categorial Grammar, CG2015*, ESSLLI Workshop, Barcelona, 2015.

14.9   *Logical Aspects of Computational Linguistics, LACL'14*, Toulouse, 2014.

14.10   *Type Theory and Natural Language Semantics, TTNLS-2014*, EACL'14 Workshop, Gothenburg.

14.11 *Logical Aspects of Computational Linguistics, LACL'12*, Nantes, 2012.

14.12 *Formal Grammar, FG'11*, Ljubljana, 2011.

14.13 *Logical Aspects of Computational Linguistics, LACL'11*, Montpellier, 2011.

14.14 *Association for Computational Linguistics, ACL'11* (Syntax and Parsing), Portland, 2011.

14.15 *Association for Computational Linguistics, ACL'10* (Mathematical Linguistics), Uppsala, 2010.

14.16 *Formal Grammar, FG'10*, Copenhagen, 2010.

14.17 *Association for Computational Linguistics, ACL'09*, (Syntax and Parsing), Suntec, 2009.

14.18 *Formal Grammar, FG'09*, Bordeaux, 2009.

14.19 *Formal Grammar, FG'08*, Hamburg, 2008.

14.20 *Workshop on New Directions in Type-theoretic Grammars, NDTTG'07*, FoLLI, Dublin, 2007.

14.21 *Logical Aspects of Computational Linguistics, LACL'05*, Bordeaux, 2005.

14.22 *Formal Grammar and Mathematics of Language, FG-MOL'01*, Helsinki, 2001.

14.23 *Joint Conference on Formal Grammar, Head-Driven Phrase Structure Grammar and Categorial Grammar, FG-HPSG-CG'98*, Saarbrücken, 1998.

14.24 *Logical Aspects of Computational Linguistics, LACL'96*, Nancy, 1996.

14.25 *XII Congreso de la Sociedad Española para el Procesamiento del Lenguaje Natural*, Granada, 1992.

15. Participation in Projects

15.1 2013–2017, ICREA Academia 2012, Catalan Institute for Research and Advanced Studies.

15.2 2015–2017, *Aprenentaje y Communicación* (APCOM) MINECO project TIN2014-57226-P. Co-Principal Investigator.

15.3 2014-2017, SGR2014-890 (MACDA) of the Generalitat de Catalunya.

15.4   2012–2014, *Biological and Social Mining: Algorithms, Theory, and Implementation* (BAS-MATI) DGICYT project TIN2011–27479–C04–03. Universidad de Zaragosa, Universidad de Cantabria, Universitat Politècnica de Catalunya. Coordinator: Ricard Gavaldà.

15.5   2009–2011: *Secuencias Simbólicas: Análisis, Aprendizaje, Mineria y Evolución* (SESAA-ME), DGICYT project TIN2008-06582-C03-01. Universidad de Málaga, Universidad de Valladolid, Universidad de Zaragosa, Universitat Politècnica de Catalunya. Coordinator: Ricard Gavaldà.

15.6   2006–2008: *Modelado Individualizado de Secuencias de Símbolos, 2* (MOISES 2) DGICYT project TIN2005-08832-C03-03. Universidad de Málaga, Universidad de Valladolid, Universidad de Zaragosa, Universitat Politècnica de Catalunya. Coordinator: Rafael Morales Bueno.

15.7   2003–2005: *Modelado Individualizado de Secuencias de Símbolos* (MOISES) DGICYT project TIC2002-04019-C03-01. Universidad de Málaga, Universidad de Valladolid, Universidad de Zaragosa, Universitat Politècnica de Catalunya. Coordinator: Elvira Mayordom. Subcoordinator UPC: Glyn Morrill.

15.8   1999–2002: *Formalismos, Estructuras Relacionales y Complejidad* (FRESCO) DGICYT project PB98-0937-C04-03. Universidad de Málaga, Universidad de Valladolid, Universidad de Zaragosa, Universitat Politècnica de Catalunya. Coordinator: J.L. Balcázar. Coordinator of subproject "Sistemas Formales de Demostración: Complejidad y Aplicaciones": Glyn Morrill.

15.9   1998-1999: *Development of Algorithms for Syntactic and Semantic Analysis Based on the Concept of Proof Net*, Bilateral Integrated Action Spain-France (PICASSO) HF1997-0142. LSI, UPC & INRIA Lorraine. Coordinators: Glyn Morrill (Barcelona) & Phillipe de Groote (Nancy).

15.10   1991–1995: *Dynamic Aspects of Natural Language Interpretation, 2* (DYANA-2) ESPRIT Basic Research Action 6852. University of Amsterdam, University of Edinburgh, University of Stuttgart, University of Utrecht. Coordinator: M. Moortgat (Utrecht).

15.11   1987–1991: *Dynamic Aspects of Natural Language Interpretation* (DYANA) ESPRIT Basic Research Action 3175. University of Amsterdam, University of Edinburgh, University of Stuttgart. Coordinator: F. Veltman (Amsterdam).

16.   Foreign Visits

16.1   4-25th February 2017: Visiting scientist, Department of Mathematics, University of Pennsylvania. By invitation of Andre Scedrov.

16.2   1–31st May 2015: Visiting professor, Department of Electronic Engineering and Computer Science, Queen Mary, University of London. Mini-sabbatical.

16.3   February – May 2009: Senior visitor, Department of Philosophy, King's College London. To write the book Morrill (2011). Programme of sabbatical license, UPC.

17.   Academic Commissions

17.1   2012–2013: member of the programme committee for the Twenty Third European Summer School in Logic, Language and Information, Tübingen, 2014.

17.2   Since 2012: member of the editorial board of the *Journal of Language Modelling*.

17.3   2012–2015: member of the Standing Committee of *Formal Grammar*.

17.4   Since 2011: member of the Standing Committee of *Logical Aspects of Computational Linguistics*.

17.5   2002–2010: member of the editorial board of *Research on Language and Computation*, Springer.

17.6   Since 1999: member of the editorial board of *Papers in Formal Linguistics and Logic*, Bulzoni Editore.

17.7   1997–2001: member of the editorial board of *Catalan Working Papers in Linguistics*, Universitat Autònoma de Barcelona.

17.8   1994–1995: member of the programme committee for the Seventh European Summer School in Logic, Language and Information, Barcelona, 1995.

18.   Direction of Doctoral Theses

18.1   Oriol Valentín (2012) *Theory of Discontinuous Lambek Calculus*, Universitat Autònoma de Barcelona. Excelente cum laude por unanimidad. Doctorate programme with mention of quality (Cognitive Science and Language).

18.2   Mario Fadda (2010) *Geometry of Grammar: Exercises in Lambek Style*, Universitat Politècnica de Catalunya. Excelente cum laude por unanimidad. European doctorate. Doctorate programme with mention of quality (Artificial Intelligence).

18.3   Xavier Lloré (1996) *Un Método de 'Parsing' para Gramáticas Categoriales Multimodales*, Universitat Politècnica de Catalunya. Excelente cum laude por unanimidad. Codirector J. Ruiz.

19.   Membership of Doctoral Juries

19.1   2008: H. Uchida, 'Scope Alternation and Type Logical Grammar: QNP scope and its implications for deductive grammar', University College London.

19.2   2005: S. Salvati, 'Problèmes de filtrage et problèmes d'analyse pour les grammaires catégorielles abstraites', INRIA Lorraine.

19.3   2002: A. Atserias, 'The Complexity of Resource-Bounded Propositional Proof Systems', Universitat Politècnica de Catalunya, Barcelona.

19.4   2001: S. Pogodalla, 'Réseaux de preuve et génération pour les grammaires de types logiques', INRIA Lorraine.

19.5   2000: M. Gatius, 'Using an Ontology for Guiding Natural Language Interaction with Knowledge Based Systems', Universitat Politècnica de Catalunya, Barcelona.

19.6   1992: M.T. Solias, 'Gramáticas Categoriales, Coordinación Generalizada y Elisión', Universidad Autónoma de Madrid.

20.   Direction of Postgraduate Projects

20.1   O. Valentín (2006) 'The 1-Discontinuous Lambek Calculus: Type Logical Grammar and Discontinuity'. DEA in Llenguatge i Ciència Cognitiva, Universitat Autònoma de Barcelona.

20.2   P. Bourreau (2009) 'Logical Parsing for Natural Language: A Case Study of Two Categorial Grammars'. DEA in Intel.ligència Artificial, Universitat Politècnica de Catalunya.

21.   Teaching Activity

As Full Time Associate Lecturer (Profesor Associado a TC), Llenguatges i Sistemes Informàtics, Facultat d'Informàtica, Universitat Politècnica de Catalunya, Barcelona, 1/1993–1/1997

21.1   Obligatory first year computer science degree course: *Introducció a la Lògica*, theory and practicals, 52 hours total.

      From: 2/1993   to: 6/1993 (×2 groups)
      From: 9/1993   to: 12/1993 (×2 groups)
      From: 2/1994   to: 6/1994 (×2 groups)
      From: 9/1994   to: 12/1994 (×2 groups)
      From: 2/1995   to: 6/1995 (×2 groups)
      From: 9/1995   to: 12/1995 (×2 groups)
      From: 2/1996   to: 6/1996 (×2 groups)
      From: 9/1996   to: 12/1996 (×2 groups)

21.2   Artificial intelligence doctorate course: *Formalismes Lògics per al Tractament del Llenguatge Natural*, theory, 12 hours.

      From: 9/1995   to: 12/1995

As Tenured Lecturer (Titular de Universidad) Llenguatges i Sistemes Informàtics, Facultat d'Informàtica, Universitat Politècnica de Catalunya, Barcelona

21.3   Obligatory first year computer science degree course: *Introducció a la Lògica*, theory and practicals, 52 hours total.

      From: 2/1997   to: 6/1997 (×2 groups)
      From: 9/1997   to: 12/1997 (×2 groups)
      From: 2/1998   to: 6/1998
      From: 9/1998   to: 12/1998
      From: 2/1999   to: 6/1999
      From: 9/1999   to: 12/1999
      From: 2/2000   to: 6/2000
      From: 9/2000   to: 12/2000
      From: 2/2001   to: 6/2001
      From: 9/2001   to: 12/2001
      From: 2/2002   to: 6/2002
      From: 9/2002   to: 12/2002
      From: 2/2003   to: 6/2003
      From: 9/2004   to: 12/2004

21.4   Artificial intelligence doctorate course: *Sintaxi i Semàntica Computacional del Llenguatge Natural*, theory, 39 hours.

      From: 9/1996   to: 12/1996

21.5 Artificial intelligence doctorate course: *Processament del Llenguatge Natural*, theory, 26 hours.

    From: 2/1997   to: 6/1997

21.6 Degree course of free choice: *Lingüística Formal*, theory and practicals, 39 hours.

    From: 9/1997   to: 12/1997
    From: 9/1998   to: 12/1998

21.7 Optional third year degree course in computer science: *Lògica de Primer Ordre*, 52 hours.

    From: 2/1998   to: 6/1998
    From: 9/1998   to: 12/1998
    From: 2/1999   to: 6/1999
    From: 9/1999   to: 12/1999
    From: 2/2001   to: 6/2001
    From: 2/2002   to: 6/2002

21.8 Obligatory second year degree course in computer science: *Llenguatges, Gramàtiques i Autòmats*, theory, 39 hours.

    From: 9/2001   to: 12/2001
    From: 2/2002   to: 6/2002

21.9 Artificial intelligence doctorate course: *Fonaments de la Lingüística Computacional*, 12 hours.

    From: 9/2001   to: 12/2001
    From: 9/2002   to: 12/2002
    From: 9/2003   to: 12/2003
    From: 9/2004   to: 12/2004
    From: 9/2005   to: 12/2005

21.10 Artificial intelligence doctorate course: *Lògiques per a la Intel.ligència Artificial*, 8 hours.

    From: 2/2002   to: 6/2002

21.11 Degree course of free choice: *Aproximació a la Ciència Cognitiva*, theory and practicals, 39 hours.

    From: 2/2003   to: 6/2003

21.12 Obligatory first year computer science degree course: *Introducció a la Lògica*, theory and practicals, 78 hours.

    From: 2/2004   to: 6/2004
    From: 9/2004   to: 12/2004
    From: 9/2005   to: 12/2005

21.13 Obligatory second year degree course in computer science: *Teoria de la Computació*, theory and practicals, 78 hours.

From: 9/2005   to: 12/2005
From: 2/2006   to: 6/2006 (×2 groups)
From: 9/2006   to: 12/2006
From: 2/2007   to: 6/2007 (×2 groups)
From: 9/2007   to: 12/2007
From: 2/2008   to: 6/2008
From: 9/2008   to: 12/2008
From: 9/2009   to: 12/2009
From: 2/2010   to: 6/2010
From: 9/2010   to: 12/2010
From: 2/2011   to: 4/2011 (39 hours)
From: 9/2011   to: 12/2011
From: 2/2012   to: 6/2012

21.14 Masters course in Pure and Applied Logic: *Lògiques Subestructurals i Lingüística Computational*, 39 hours.

From: 9/2011   to: 12/2011

21.15 Obligatory first year computer science degree course: *Programació 1*, practicals, 78 hours

From: 9/2012   to: 12/2012
From: 2/2013   to: 4/2013 (39 hours)

22. National Teaching

In Autumn 2015 I cotaught with Oriol Valentín a Barcelona Graduate School of Maths (BGS-Math) course (50 hours) entitled 'Mathematical Logic and Linguistics'.

23. International Teaching

- 2016: Course 'Displacement Logic for Grammar', Twenty Eighth European Summer School on Logic, Language and Information, ESSLL16, Bolzano.

- 2011: Course 'Type Logical Syntax and Semantics', Twenty Third European Summer School on Logic, Language and Information, ESSLL11, Ljubljana.

- 2007: Course 'Type Logical Grammar', Nineteenth European Summer School on Logic, Language and Information, ESSLLI07, Dublin.

- 2004: Course 'Type Logical Grammar', Sixteenth European Summer School on Logic, Language and Information, ESSLLI04, Nancy.

- 2001: Course 'Introduction to Type Logical Grammar' (with Ph. de Groote), Thirteenth European Summer School on Logic, Language and Information, ESSLLI01, Helsinki.

- 1997: Course 'Geometry of Language' (with A. Lecomte & C. Retoré), Ninth European Summer School on Logic, Language and Information, ESSLLI97, Aix-en-Provence.

- 1995: Course 'Categorial Syntax and Semantics' (with B. Carpenter), Seventh European Summer School on Logic, Language and Information, ESSLLI95, Barcelona.

- 1992: Course 'Categorisation and Type-Theoretic Interpretation', Fourth European Summer School on Logic, Language and Information, ESSLLI92, Colchester.

- 1989: Courses 'Categorial Grammar and Natural Language' & 'Parsing Phrase Structure Grammars and Categorial Grammars', European Summer School on Natural Language Processing, Logic, and Knowledge Representation, Groningen.

- 1987: Teaching Assistent for the courses 'Introduction to PROLOG for Linguists' & 'PROLOG and Natural Language Processing' de F. Pereira, 1987 Linguistic Institute of the Linguistic Society of America, Stanford University.

The evaluation out of 5 that I received for my course at the Sixteenth European Summer School on Logic, Language and Information, ESSLLI04, Nancy, was the following:

ESSLLI 2004 Administration

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Type Logical Grammar (Morril)

Lecturer	4.8
Coverage of content	4.9
Course notes	4.0
Session attendance	4.5

(13 respondents)

- This is the course which turned out to be the most interesting one! TLG is very beautiful. I liked the presentation using the table.

- This was truly a great course with an excellent teacher and I hope that their will be a follow-up at next years esslli. Compliments for making such complicated stuff so accessible! The course notes might have had some more basic introduction into the material instead of only research articles.

- I would have really appreciated course notes that were like real lecture notes, instead of a collection of articles, so that I could study what we have covered once more at home

- Wonderful class, fascinating topic, beautiful presentation. If only more lecturers knew how to teach like that. This class alone was worth coming to Nancy.

- Teaching was fabulous. Things were clearly explained, and discussion about loose ends was also nice.

- Amazing lecturer! Wish I could have attended more! Made me really interested in type-logical grammar. Had no idea it could be so interesting!

- Great!!

- A great course.

- The lecturerer was unimaginably strong. It would have been worth coming to Europe just for this class. I was blown away. More effort could have been put into the reader, but then again no one did any homework either. Please reward this lecturer and convince him to give more courses like this one.