

DEEP-INFERENCE BIBLIOGRAPHY

COMPILED BY ALESSIO GUGLIELMI

These are the papers I am aware of in the area of *deep inference* (see <http://alessio.guglielmi.name/res/cos>). The BibTeX database is at

<http://alessio.guglielmi.name/res/TeX/BibTeX/di-biblio.bib>

References

- [1] Régis Alenda, Nicola Olivetti & Gian Luca Pozzato (2012): *Nested Sequent Calculi for Conditional Logics*. In Luis Fariñas del Cerro, Andreas Herzig & Jérôme Mengin, editors: *Logics in Artificial Intelligence (JELIA), Lecture Notes in Computer Science* 7519, Springer-Verlag, pp. 14–27, doi:10.1007/978-3-642-33353-8_2. Available at http://www.di.unito.it/~argo/papers/2012_JELIAb.pdf.
- [2] Régis Alenda, Nicola Olivetti & Gian Luca Pozzato (2016): *Nested Sequent Calculi for Normal Conditional Logics*. *Journal of Logic and Computation* 26(1), pp. 7–50, doi:10.1093/logcom/ext034. Available at <http://www.di.unito.it/~pozzato/papers/JLC2013.pdf>.
- [3] Andrea Aler Tubella (2017): *A Study of Normalisation Through Subatomic Logic*. Ph.D. thesis, University of Bath. Available at <http://cs.bath.ac.uk/ag/aat/phd.pdf>.
- [4] Andrea Aler Tubella & Alessio Guglielmi (2017): *Subatomic Proof Systems: Splittable Systems*. *ACM Transactions on Computational Logic* 19(1), pp. 5:1–33, doi:10.1145/3173544. Available at <https://arxiv.org/pdf/1703.10258.pdf>.
- [5] Andrea Aler Tubella, Alessio Guglielmi & Benjamin Ralph (2017): *Removing Cycles from Proofs*. In Valentin Goranko & Mads Dam, editors: *26th EACSL Annual Conference on Computer Science Logic (CSL), Leibniz International Proceedings in Informatics (LIPIcs)* 82, Schloss Dagstuhl–Leibniz-Zentrum für Informatik, pp. 9:1–17, doi:10.4230/LIPIcs.CSL.2017.9. Available at <http://drops.dagstuhl.de/opus/volltexte/2017/7700/pdf/LIPIcs-CSL-2017-9.pdf>.
- [6] Ryuta Arisaka, Anupam Das & Lutz Straßburger (2015): *On Nested Sequents for Constructive Modal Logics*. *Logical Methods in Computer Science* 11(3), pp. 7:1–33, doi:10.2168/LMCS-11(3:7)2015. Available at <http://arxiv.org/pdf/1505.06896.pdf>.
- [7] Marta Bilková (2011): *A Note on Uniform Interpolation Proofs in Modal Deep Inference Calculi*. In Nick Bezhanishvili, Sebastian Löbner, Kerstin Schwabe & Luca Spada, editors: *Logic, Language, and Computation (TbiLLC 2009), Lecture Notes in Artificial Intelligence* 6618, Springer-Verlag, pp. 30–45, doi:10.1007/978-3-642-22303-7_3.
- [8] Richard Blute, Prakash Panangaden & Sergey Slavnov (2012): *Deep Inference and Probabilistic Coherence Spaces*. *Applied Categorical Structures* 20, pp. 209–228, doi:10.1007/s10485-010-9241-0. Available at <http://www.cs.mcgill.ca/~prakash/Pubs/seqcats.pdf>.
- [9] Richard F. Blute, Alessio Guglielmi, Ivan T. Ivanov, Prakash Panangaden & Lutz Straßburger (2014): *A Logical Basis for Quantum Evolution and Entanglement*. In Claudia Casadio, Bob Coecke, Michael Moortgat & Philip Scott, editors: *Categories and Types in Logic, Language, and Physics, Lecture Notes in Computer Science* 8222, Springer-Verlag, pp. 90–107, doi:10.1007/978-3-642-54789-8_6. Available at <http://cs.bath.ac.uk/ag/p/LBQEE.pdf>.
- [10] Rick Blute, Prakash Panangaden & Lutz Straßburger (2008): *The Logic BV and Quantum Causality*. Available at <http://www.lix.polytechnique.fr/~lutz/papers/BVlocative.pdf>.
- [11] Kai Brünnler (2003): *Atomic Cut Elimination for Classical Logic*. In M. Baaz & J. A. Makowsky, editors: *Computer Science Logic (CSL), Lecture Notes in Computer Science* 2803, Springer-Verlag, pp. 86–97, doi:10.1007/978-3-540-45220-1_9. Available at <http://cs.bath.ac.uk/ag/kai/ace.pdf>.
- [12] Kai Brünnler (2003): *Two Restrictions on Contraction*. *Logic Journal of the IGPL* 11(5), pp. 525–529, doi:10.1093/jigpal/11.5.525. Available at <http://cs.bath.ac.uk/ag/kai/RestContr.pdf>.
- [13] Kai Brünnler (2004): *Deep Inference and Symmetry in Classical Proofs*. Logos Verlag, Berlin. Available at <http://cs.bath.ac.uk/ag/kai/phd.pdf>.
- [14] Kai Brünnler (2006): *Cut Elimination Inside a Deep Inference System for Classical Predicate Logic*. *Studia Logica* 82(1), pp. 51–71, doi:10.1007/s11225-006-6605-4. Available at <http://cs.bath.ac.uk/ag/kai/q.pdf>.
- [15] Kai Brünnler (2006): *Deep Inference and Its Normal Form of Derivations*. In Arnold Beckmann, Ulrich Berger, Benedikt Löwe & John V. Tucker, editors: *Logical Approaches to Computational Barriers—2nd*

Date: March 23, 2018.

- Conference on Computability in Europe, Lecture Notes in Computer Science* 3988, Springer-Verlag, pp. 65–74, doi:10.1007/11780342_7. Available at <http://cs.bath.ac.uk/ag/kai/n.pdf>.
- [16] Kai Brunnler (2006): *Deep Sequent Systems for Modal Logic*. In Guido Governatori, Ian Hodkinson & Yde Venema, editors: *Advances in Modal Logic (AiML)*, 6, College Publications, pp. 107–119. Available at <http://www.aiml.net/volumes/volume6/Bruennler.ps>.
- [17] Kai Brunnler (2006): *Locality for Classical Logic*. *Notre Dame Journal of Formal Logic* 47(4), pp. 557–580, doi:10.1305/ndjfl/1168352668. Available at <http://cs.bath.ac.uk/ag/kai/LocalityClassical.pdf>.
- [18] Kai Brunnler (2009): *Deep Sequent Systems for Modal Logic*. *Archive for Mathematical Logic* 48(6), pp. 551–577, doi:10.1007/s00153-009-0137-3. Available at <http://cs.bath.ac.uk/ag/kai/2009dssml.pdf>.
- [19] Kai Brunnler (2010): *How to Universally Close the Existential Rule*. In Christian G. Fermüller & Andrei Voronkov, editors: *Logic for Programming, Artificial Intelligence, and Reasoning (LPAR-17)*, *Lecture Notes in Computer Science* 6397, Springer-Verlag, pp. 172–186, doi:10.1007/978-3-642-16242-8_13. Available at <http://cs.bath.ac.uk/ag/kai/2010hucer.pdf>.
- [20] Kai Brunnler (2010): *Nested Sequents*. Available at <http://arxiv.org/pdf/1004.1845.pdf>. Habilitation Thesis.
- [21] Kai Brunnler, Remo Goetschi & Roman Kuznets (2010): *A Syntactic Realization Theorem for Justification Logics*. In Lev Beklemishev, Valentin Goranko & Valentin Shehtman, editors: *Advances in Modal Logic (AiML)*, 8, College Publications, pp. 39–58. Available at <http://cs.bath.ac.uk/ag/kai/2010srtjl.pdf>.
- [22] Kai Brunnler & Alessio Guglielmi (2002): *Consistency Without Cut Elimination*. Technical Report WV-02-16, Technische Universität Dresden. Available at <http://cs.bath.ac.uk/ag/p/AG4.pdf>.
- [23] Kai Brunnler & Alessio Guglielmi (2004): *A First Order System with Finite Choice of Premises*. In Vincent Hendricks, Fabian Neuhaus, Stig Andur Pedersen, Uwe Scheffler & Heinrich Wansing, editors: *First-Order Logic Revisited*, *Logische Philosophie*, Logos Verlag, pp. 59–74. Available at <http://cs.bath.ac.uk/ag/kai/FinFOL.pdf>.
- [24] Kai Brunnler & Stéphane Lengrand (2005): *On Two Forms of Bureaucracy in Derivations*. In Paola Bruscoli, François Lamarche & Charles Stewart, editors: *Structures and Deduction*, Technische Universität Dresden, pp. 69–80. Available at <http://cs.bath.ac.uk/ag/kai/sd05.pdf>. ICALP Workshop. ISSN 1430-211X.
- [25] Kai Brunnler & Richard McKinley (2008): *An Algorithmic Interpretation of a Deep Inference System*. In Iliano Cervesato, Helmut Veith & Andrei Voronkov, editors: *Logic for Programming, Artificial Intelligence, and Reasoning (LPAR)*, *Lecture Notes in Computer Science* 5330, Springer-Verlag, pp. 482–496, doi:10.1007/978-3-540-89439-1_34. Available at <http://cs.bath.ac.uk/ag/kai/2008aidis.pdf>.
- [26] Kai Brunnler & Lutz Straßburger (2009): *Modular Sequent Systems for Modal Logic*. In: *Automated Reasoning with Analytic Tableaux and Related Methods (Tableaux)*, *Lecture Notes in Artificial Intelligence* 5607, Springer-Verlag, pp. 152–166, doi:10.1007/978-3-642-02716-1_12. Available at <http://cs.bath.ac.uk/ag/kai/2009mssml.pdf>.
- [27] Kai Brunnler & Thomas Studer (2009): *Syntactic Cut-Elimination for Common Knowledge*. *Annals of Pure and Applied Logic* 160(1), pp. 82–95, doi:10.1016/j.apal.2009.01.014. Available at <http://cs.bath.ac.uk/ag/kai/infck.pdf>.
- [28] Kai Brunnler & Thomas Studer (2009): *Syntactic Cut-Elimination for Common Knowledge*. In Carlos Areces & Stéphane Demri, editors: *5th Workshop on Methods for Modalities (M4M5 2007)*, *Electronic Notes in Theoretical Computer Science* 231, Elsevier, pp. 227–240. Available at <http://cs.bath.ac.uk/ag/kai/m4m5.pdf>.
- [29] Kai Brunnler & Thomas Studer (2012): *Syntactic Cut-Elimination for a Fragment of the Modal Mu-Calculus*. *Annals of Pure and Applied Logic* 163(12), pp. 1838–1853, doi:10.1016/j.apal.2012.04.006. Available at <http://www.iam.unibe.ch/ltgpub/2012/bs12.pdf>.
- [30] Kai Brunnler & Alwen Fernanto Tiu (2001): *A Local System for Classical Logic*. In R. Nieuwenhuis & Andrei Voronkov, editors: *Logic for Programming, Artificial Intelligence, and Reasoning (LPAR)*, *Lecture Notes in Computer Science* 2250, Springer-Verlag, pp. 347–361, doi:10.1007/3-540-45653-8_24. Available at <http://cs.bath.ac.uk/ag/kai/lcl-lpar.pdf>.
- [31] Kai Brunnler & Alwen Fernanto Tiu (2001): *A Local System for Classical Logic*. Technical Report WV-01-02, Technische Universität Dresden.
- [32] Paola Bruscoli (2002): *A Purely Logical Account of Sequentiality in Proof Search*. In Peter J. Stuckey, editor: *Logic Programming, 18th International Conference (ICLP)*, *Lecture Notes in Computer Science* 2401, Springer-Verlag, pp. 302–316, doi:10.1007/3-540-45619-8_21. Available at <http://cs.bath.ac.uk/pb/bv1/bv1.pdf>.
- [33] Paola Bruscoli (2002): *A Purely Logical Account of Sequentiality in Proof Search – Extended Abstract*. In Bertram Fronhöfer & Steffen Hölldobler, editors: *17. WLP: Workshop Logische Programmierung, TU Dresden, December 11–13, 2002*, *Technische Berichte der Fakultät Informatik TUD–FI03–03*, TU Dresden, 01062 Dresden, Technische Universität Dresden, pp. 97–101. ISSN 1430–211X.
- [34] Paola Bruscoli & Alessio Guglielmi (2007): *On Analytic Inference Rules in the Calculus of Structures*. Available at <http://cs.bath.ac.uk/ag/p/Onan.pdf>.
- [35] Paola Bruscoli & Alessio Guglielmi (2009): *On Analyticity in Deep Inference*. Available at <http://cs.bath.ac.uk/ag/p/ADI.pdf>.

- [36] Paola Bruscoli & Alessio Guglielmi (2009): *On the Proof Complexity of Deep Inference*. *ACM Transactions on Computational Logic* 10(2), pp. 14:1–34, doi:10.1145/1462179.1462186. Available at <http://cs.bath.ac.uk/ag/p/PrCompLDI.pdf>.
- [37] Paola Bruscoli, Alessio Guglielmi, Tom Gundersen & Michel Parigot (2010): *A Quasipolynomial Cut-Elimination Procedure in Deep Inference Via Atomic Flows and Threshold Formulae*. In Edmund M. Clarke & Andrei Voronkov, editors: *Logic for Programming, Artificial Intelligence, and Reasoning (LPAR-16)*, *Lecture Notes in Computer Science* 6355, Springer-Verlag, pp. 136–153, doi:10.1007/978-3-642-17511-4_9. Available at <http://cs.bath.ac.uk/ag/p/QPNDI.pdf>.
- [38] Paola Bruscoli, Alessio Guglielmi, Tom Gundersen & Michel Parigot (2011): *A Quasipolynomial Normalisation Procedure in Deep Inference*. Available at <http://cs.bath.ac.uk/ag/p/QPNPDI.pdf>.
- [39] Paola Bruscoli, Alessio Guglielmi, Tom Gundersen & Michel Parigot (2016): *Quasipolynomial Normalisation in Deep Inference Via Atomic Flows and Threshold Formulae*. *Logical Methods in Computer Science* 12(1), pp. 5:1–30, doi:10.2168/LMCS-12(2:5)2016. Available at <https://lmcs.episciences.org/1637/pdf>.
- [40] Paola Bruscoli & Lutz Straßburger (2017): *On the Length of Medial-Switch-Mix Derivations*. In Juliette Kennedy & Ruy J.G.B. de Queiroz, editors: *24th International Workshop on Logic, Language, Information, and Computation (WoLLIC)*, *Lecture Notes in Computer Science* 10388, Springer-Verlag, pp. 68–79, doi:10.1007/978-3-662-55386-2_5. Available at http://opus.bath.ac.uk/56221/1/sm_length.pdf.
- [41] Kaustuv Chaudhuri & Nicolas Guenot (2014): *Equality and Fixpoints in the Calculus of Structures*. In Thomas Henzinger & Dale Miller, editors: *Joint Meeting of the 23rd EACSL Annual Conference on Computer Science Logic (CSL) and the 29th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS)*, ACM, pp. 30:1–10, doi:10.1145/2603088.2603140. Available at <http://chaudhuri.info/papers/cs11ics14eqfix.pdf>.
- [42] Kaustuv Chaudhuri, Nicolas Guenot & Lutz Straßburger (2011): *The Focused Calculus of Structures*. In Marc Bezem, editor: *Computer Science Logic (CSL), Leibniz International Proceedings in Informatics (LIPIcs)* 12, Schloss Dagstuhl–Leibniz-Zentrum für Informatik, pp. 159–173, doi:10.4230/LIPIcs.CSL.2011.159. Available at <http://drops.dagstuhl.de/opus/volltexte/2011/3229/>.
- [43] Kaustuv Chaudhuri, Sonia Marin & Lutz Straßburger (2016): *Focused and Synthetic Nested Sequents*. In Bart Jacobs & Christof Löding, editors: *Foundations of Software Science and Computation Structures (FoSSaCS)*, *Lecture Notes in Computer Science* 9634, Springer-Verlag, pp. 390–407, doi:10.1007/978-3-662-49630-5_23. Available at <http://kaustuv.chaudhuri.info/papers/fossacs16focnest.pdf>.
- [44] Kaustuv Chaudhuri, Sonia Marin & Lutz Straßburger (2016): *Modular Focused Proof Systems for Intuitionistic Modal Logics*. In Delia Kesner & Brigitte Pientka, editors: *1st International Conference on Formal Structures for Computation and Deduction (FSCD)*, *Leibniz International Proceedings in Informatics (LIPIcs)* 52, Schloss Dagstuhl–Leibniz-Zentrum für Informatik, pp. 16:1–18, doi:10.4230/LIPIcs.FSCD.2016.16. Available at <http://www.lix.polytechnique.fr/~lutz/papers/fscd16focint.pdf>.
- [45] Gabriel Ciobanu & Ross Horne (2015): *Behavioural Analysis of Sessions Using the Calculus of Structures*. In Manuel Mazzara & Andrei Voronkov, editors: *Perspectives of System Informatics (PSI)*, *Lecture Notes in Computer Science* 9609, Springer-Verlag, pp. 91–106, doi:10.1007/978-3-319-41579-6_8. Available at <http://www.ntu.edu.sg/home/rhorne/psi.pdf>.
- [46] Ranald Clouston, Jeremy Dawson, Rajceev Goré & Alwen Tiu (2013): *Annotation-Free Sequent Calculi for Full Intuitionistic Linear Logic*. In Simona Ronchi Della Rocca, editor: *Computer Science Logic (CSL), Leibniz International Proceedings in Informatics (LIPIcs)* 23, Schloss Dagstuhl–Leibniz-Zentrum für Informatik, pp. 197–214, doi:10.4230/LIPIcs.CSL.2013.197. Extended version at <http://arxiv.org/abs/1307.0289>.
- [47] Anupam Das (2011): *On the Proof Complexity of Cut-Free Bounded Deep Inference*. In Kai Brunnler & George Metcalfe, editors: *Automated Reasoning with Analytic Tableaux and Related Methods (Tableaux)*, *Lecture Notes in Artificial Intelligence* 6793, Springer-Verlag, pp. 134–148, doi:10.1007/978-3-642-22119-4_12. Available at <http://www.anupamdas.com/items/PrCompII/ProofComplexityBoundedDI.pdf>.
- [48] Anupam Das (2012): *Complexity of Deep Inference Via Atomic Flows*. In S. Barry Cooper, Anuj Dawar & Benedikt Löwe, editors: *Computability in Europe*, *Lecture Notes in Computer Science* 7318, Springer-Verlag, pp. 139–150, doi:10.1007/978-3-642-30870-3_15. Available at <http://www.anupamdas.com/items/RelComp/RelComp.pdf>.
- [49] Anupam Das (2013): *Rewriting with Linear Inferences in Propositional Logic*. In Femke van Raamsdonk, editor: *24th International Conference on Rewriting Techniques and Applications (RTA), Leibniz International Proceedings in Informatics (LIPIcs)* 21, Schloss Dagstuhl–Leibniz-Zentrum für Informatik, pp. 158–173, doi:10.4230/LIPIcs.RTA.2013.158. Available at <http://www.anupamdas.com/items/RewritingWithLinearInferences/RewritingWithLinearInferences.pdf>.
- [50] Anupam Das (2014): *The Complexity of Propositional Proofs in Deep Inference*. Ph.D. thesis, University of Bath. Available at <http://www.anupamdas.com/items/thesis/Thesis-AnupamDas.pdf>.
- [51] Anupam Das (2014): *On the Pigeonhole and Related Principles in Deep Inference and Monotone Systems*. In Thomas Henzinger & Dale Miller, editors: *Joint Meeting of the 23rd EACSL Annual Conference on Computer Science Logic (CSL) and the 29th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS)*, ACM, pp. 36:1–10, doi:10.1145/2603088.2603164. Available at <http://www.anupamdas.com/items/WeakMonProofsPHP/WeakMonProofsPHP.pdf>.

- [52] Anupam Das (2015): *On the Relative Proof Complexity of Deep Inference Via Atomic Flows*. *Logical Methods in Computer Science* 11(1), pp. 4:1–27, doi:10.2168/LMCS-11(1:4)2015. Available at <http://arxiv.org/pdf/1502.05860.pdf>.
- [53] Anupam Das (2016): *From Positive and Intuitionistic Bounded Arithmetic to Monotone Proof Complexity*. In Natarajan Shankar, editor: *31st Annual IEEE Symposium on Logic in Computer Science (LICS)*, ACM, pp. 126–135, doi:10.1145/2933575.2934570. Available at <http://www.anupamdas.com/items/pos-int-bdarith-mon-pc/pos-int-bdarith-mon-pc.pdf>.
- [54] Anupam Das (2017): *An Unavoidable Contraction Loop in Monotone Deep Inference*. Available at <http://cs.bath.ac.uk/ag/das/con-loop.pdf>.
- [55] Anupam Das & Lutz Straßburger (2015): *No Complete Linear Term Rewriting System for Propositional Logic*. In Maribel Fernández, editor: *26th International Conference on Rewriting Techniques and Applications (RTA), Leibniz International Proceedings in Informatics (LIPIcs)* 36, Schloss Dagstuhl–Leibniz-Zentrum für Informatik, pp. 127–142, doi:10.4230/LIPIcs.RTA.2015.127. Available at <http://drops.dagstuhl.de/opus/volltexte/2015/5193/pdf/13.pdf>.
- [56] Anupam Das & Lutz Straßburger (2016): *On Linear Rewriting Systems for Boolean Logic and Some Applications to Proof Theory*. *Logical Methods in Computer Science* 12(4), pp. 9:1–27, doi:10.2168/LMCS-12(4:9)2016. Available at <https://arxiv.org/pdf/1610.08772.pdf>.
- [57] Pietro Di Gianantonio (2004): *Structures for Multiplicative Cyclic Linear Logic: Deepness Vs Cyclicity*. In J. Marcinkowski & A. Tarlecki, editors: *Computer Science Logic (CSL), Lecture Notes in Computer Science* 3210, Springer-Verlag, pp. 130–144, doi:10.1007/978-3-540-30124-0_13. Available at https://users.dimi.uniud.it/~pietro.digianantonio/papers/copy_pdf/smcl1.pdf.
- [58] Roy Dyckhoff, Mehrnoosh Sadrzadeh & Julien Truffaut (2013): *Algebra, Proof Theory and Applications for an Intuitionistic Logic of Propositions, Actions and Adjoint Modal Operators*. *ACM Transactions on Computational Logic* 14(4), pp. 34:1–37, doi:10.1145/2536740.2536742. Available at <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.307.1219&rep=rep1&type=pdf>.
- [59] Melvin Fitting (2011): *Proving Completeness for Nested Sequent Calculi*. In Jean-Yves Béziau & Marcelo Esteban Coniglio, editors: *Logic without Frontiers, Tributes* 17, College Publications, pp. 145–154. Available at <http://www.melvinfitting.org/bookspapers/pdf/papers/Carnielli.pdf>.
- [60] Melvin Fitting (2012): *Prefixed Tableaux and Nested Sequents*. *Annals of Pure and Applied Logic* 163(3), pp. 291–313, doi:10.1016/j.apal.2011.09.004. Available at <http://melvinfitting.org/bookspapers/pdf/papers/NestedSequentsPostingVersion/PrefixDeep.pdf>.
- [61] Melvin Fitting (2014): *Nested Sequents for Intuitionistic Logics*. *Notre Dame Journal of Formal Logic* 55(1), pp. 41–61, doi:10.1215/00294527-2377869. Available at <http://melvinfitting.org/bookspapers/pdf/papers/IntuitionisticNested.pdf>.
- [62] Melvin Fitting & Roman Kuznets (2015): *Modal Interpolation Via Nested Sequents*. *Annals of Pure and Applied Logic* 166(3), pp. 274–305, doi:10.1016/j.apal.2014.11.002. Available at <https://sites.google.com/site/kuznets/interpolation.pdf?attredirects=1>.
- [63] Stéphane Gimenez & Georg Moser (2013): *The Structure of Interaction*. In Simona Ronchi Della Rocca, editor: *Computer Science Logic (CSL), Leibniz International Proceedings in Informatics (LIPIcs)* 23, Schloss Dagstuhl–Leibniz-Zentrum für Informatik, pp. 316–331, doi:10.4230/LIPIcs.CSL.2013.316. Available at <http://cl-informatik.uibk.ac.at/users/sgimenez/data/articles/soi.pdf>.
- [64] Rajeev Goré, Linda Postniece & Alwen Tiu (2008): *Cut-Elimination and Proof-Search for Bi-Intuitionistic Logic Using Nested Sequents*. In Carlos Areces & Robert Goldblatt, editors: *Advances in Modal Logic (AiML)*, 7, College Publications, pp. 43–66. Available at <http://www.aiml.net/volumes/volume7/Gore-Postniece-Tiu.pdf>.
- [65] Rajeev Goré, Linda Postniece & Alwen Tiu (2009): *Taming Displayed Tense Logics Using Nested Sequents With Deep Inference*. In: *Automated Reasoning with Analytic Tableaux and Related Methods (Tableaux), Lecture Notes in Artificial Intelligence* 5607, Springer-Verlag, pp. 189–204, doi:10.1007/978-3-642-02716-1_15. Available at <http://users.cecs.anu.edu.au/~tiu/papers/kt.pdf>.
- [66] Rajeev Goré, Linda Postniece & Alwen Tiu (2010): *Cut-Elimination and Proof Search for Bi-Intuitionistic Tense Logic*. In Lev Beklemishev, Valentin Goranko & Valentin Shehtman, editors: *Advances in Modal Logic (AiML)*, 8, College Publications, pp. 156–177. Available at <http://www.aiml.net/volumes/volume8/Gore-Postniece-Tiu.pdf>.
- [67] Rajeev Goré, Linda Postniece & Alwen Tiu (2011): *On the Correspondence Between Display Postulates and Deep Inference in Nested Sequent Calculi for Tense Logics*. *Logical Methods in Computer Science* 7(2), pp. 8:1–38, doi:10.2168/LMCS-7(2:8)2011. Available at <http://arxiv.org/pdf/1103.5286.pdf>.
- [68] Rajeev Goré & Revantha Ramanayake (2012): *Labelled Tree sequents, Tree Hypersequents and Nested (Deep) Sequents*. In Thomas Bolander, Torben Braüner, Silvio Ghilardi & Lawrence Moss, editors: *Advances in Modal Logic (AiML)*, 9, College Publications, pp. 279–299. Available at <http://users.cecs.anu.edu.au/~rpg/Publications/AiML2012/gore-ramanayake-aiml12.pdf>.
- [69] Rajeev Goré & Alwen Tiu (2007): *Classical Modal Display Logic in the Calculus of Structures and Minimal Cut-free Deep Inference Calculi for S5*. *Journal of Logic and Computation* 17(4), pp. 767–794, doi:10.1093/logcom/exm026. Available at <http://users.cecs.anu.edu.au/~tiu/papers/cmdl.pdf>.

- [70] Nicolas Guenot (2010): *Focused Proof Search for Linear Logic in the Calculus of Structures*. In Manuel Hermenegildo & Torsten Schaub, editors: *Technical Communications of the 26th International Conference on Logic Programming, Leibniz International Proceedings in Informatics (LIPIcs) 7*, Schloss Dagstuhl–Leibniz-Zentrum für Informatik, pp. 84–93, doi:10.4230/LIPIcs.ICLP.2010.84. Available at <http://drops.dagstuhl.de/opus/volltexte/2010/2586/>.
- [71] Nicolas Guenot (2011): *Nested Proof Search as Reduction in the λ -calculus*. In Michael Hanus & Peter Schneider-Kamp, editors: *13th International ACM SIGPLAN Symposium on Principles and Practices of Declarative Programming (PPDP)*, PPDP, ACM, pp. 183–193, doi:10.1145/2003476.2003501. Available at <http://www.itu.dk/people/ngue/pub/ppdp11.pdf>.
- [72] Nicolas Guenot (2013): *Nested Deduction in Logical Foundations for Computation*. Ph.D. thesis, École Polytechnique. Available at <http://www.itu.dk/people/ngue/pub/thesis.pdf>.
- [73] Nicolas Guenot & Lutz Straßburger (2014): *Symmetric Normalisation for Intuitionistic Logic*. In Thomas Henzinger & Dale Miller, editors: *Joint Meeting of the 23rd EACSL Annual Conference on Computer Science Logic (CSL) and the 29th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS)*, ACM, pp. 45:1–10, doi:10.1145/2603088.2603160. Available at <http://www.lix.polytechnique.fr/Labo/Lutz.Straßburger/papers/sjs2-final-with-appendix.pdf>.
- [74] Alessio Guglielmi: *Deep Inference*. Web site at <http://alessio.guglielmi.name/res/cos>.
- [75] Alessio Guglielmi (1999): *A Calculus of Order and Interaction*. Technical Report WV-99-04, Technische Universität Dresden.
- [76] Alessio Guglielmi (2002): *Goodness, Perfection and Miracles*. Available at <http://cs.bath.ac.uk/ag/p/AG1.pdf>.
- [77] Alessio Guglielmi (2002): *On Lafont’s Counterexample*. Available at <http://cs.bath.ac.uk/ag/p/AG5.pdf>.
- [78] Alessio Guglielmi (2002): *Recipe*. Available at <http://cs.bath.ac.uk/ag/p/AG2.pdf>.
- [79] Alessio Guglielmi (2002): *Subatomic Logic*. Available at <http://cs.bath.ac.uk/ag/p/AG8.pdf>.
- [80] Alessio Guglielmi (2003): *Mismatch*. Available at <http://cs.bath.ac.uk/ag/p/AG9.pdf>.
- [81] Alessio Guglielmi (2003): *Normalisation Without Cut Elimination*. Available at <http://cs.bath.ac.uk/ag/p/AG6.pdf>.
- [82] Alessio Guglielmi (2003): *Resolution in the Calculus of Structures*. Available at <http://cs.bath.ac.uk/ag/p/AG10.pdf>.
- [83] Alessio Guglielmi (2004): *Formalism A*. Available at <http://cs.bath.ac.uk/ag/p/AG11.pdf>.
- [84] Alessio Guglielmi (2004): *Formalism B*. Available at <http://cs.bath.ac.uk/ag/p/AG13.pdf>.
- [85] Alessio Guglielmi (2004): *Polynomial Size Deep-Inference Proofs Instead of Exponential Size Shallow-Inference Proofs*. Available at <http://cs.bath.ac.uk/ag/p/AG12.pdf>.
- [86] Alessio Guglielmi (2005): *Butterflies*. Available at <http://cs.bath.ac.uk/ag/p/AG7.pdf>.
- [87] Alessio Guglielmi (2005): *The Problem of Bureaucracy and Identity of Proofs from the Perspective of Deep Inference*. In Paola Bruscoli, François Lamarche & Charles Stewart, editors: *Structures and Deduction*, Technische Universität Dresden, pp. 53–68. Available at <http://cs.bath.ac.uk/ag/p/AG14.pdf>. ICALP Workshop. ISSN 1430-211X.
- [88] Alessio Guglielmi (2005): *Some News on Subatomic Logic*. Available at <http://cs.bath.ac.uk/ag/p/AG16.pdf>.
- [89] Alessio Guglielmi (2006): *Deep Inference and the Calculus of Structures—Project Report*. Available at <http://cs.bath.ac.uk/ag/p/CalcStrPR.pdf>.
- [90] Alessio Guglielmi (2007): *On the Proof Complexity of Deep Inference—Conjecture*. Prolog program, available at <http://cs.bath.ac.uk/ag/p/PrComplDI.plg>.
- [91] Alessio Guglielmi (2007): *A System of Interaction and Structure*. *ACM Transactions on Computational Logic* 8(1), pp. 1:1–64, doi:10.1145/1182613.1182614. Available at <http://cs.bath.ac.uk/ag/p/SystIntStr.pdf>.
- [92] Alessio Guglielmi (2009): *Th.pl*. Prolog program, available at <http://cs.bath.ac.uk/ag/p/th.pl>.
- [93] Alessio Guglielmi (2012): *A Personal Perspective on Deep Inference and Computer Science*. Available at <http://cs.bath.ac.uk/ag/p/DICS.pdf>.
- [94] Alessio Guglielmi (2014): *The Commutative/Noncommutative Linear Logic BV*. Available at <http://cs.bath.ac.uk/ag/p/CNLLBV.pdf>.
- [95] Alessio Guglielmi (2015): *Deep Inference*. In David Delahaye & Bruno Woltzenlogel Paleo, editors: *All About Proofs, Proofs for All, Mathematical Logic and Foundations* 55, College Publications, pp. 164–172. Available at <http://cs.bath.ac.uk/ag/p/DI.pdf>.
- [96] Alessio Guglielmi & Tom Gundersen (2008): *Normalisation Control in Deep Inference Via Atomic Flows. Logical Methods in Computer Science* 4(1), pp. 9:1–36, doi:10.2168/LMCS-4(1:9)2008. Available at <https://lmcs.episciences.org/1081/pdf>.
- [97] Alessio Guglielmi & Tom Gundersen (2008): *Normalisation Control in Deep Inference Via Atomic Flows II*. Available at <http://cs.bath.ac.uk/ag/p/NormContrDIAtF12.pdf>.
- [98] Alessio Guglielmi, Tom Gundersen & Michel Parigot (2010): *A Proof Calculus Which Reduces Syntactic Bureaucracy*. In Christopher Lynch, editor: *21st International Conference on Rewriting Techniques and Applications*

- (RTA), *Leibniz International Proceedings in Informatics (LIPIcs)* 6, Schloss Dagstuhl–Leibniz-Zentrum für Informatik, pp. 135–150, doi:10.4230/LIPIcs.RTA.2010.135. Available at <http://drops.dagstuhl.de/opus/volltexte/2010/2649>.
- [99] Alessio Guglielmi, Tom Gundersen & Lutz Straßburger (2010): *Breaking Paths in Atomic Flows for Classical Logic*. In Jean-Pierre Jouannaud, editor: *25th Annual IEEE Symposium on Logic in Computer Science (LICS)*, IEEE, pp. 284–293, doi:10.1109/LICS.2010.12. Available at <http://www.lix.polytechnique.fr/~lutz/papers/AFII.pdf>.
- [100] Alessio Guglielmi & Lutz Straßburger (2001): *Non-commutativity and MELL in the Calculus of Structures*. In L. Fribourg, editor: *Computer Science Logic (CSL), Lecture Notes in Computer Science* 2142, Springer-Verlag, pp. 54–68, doi:10.1007/3-540-44802-0_5. Available at <http://cs.bath.ac.uk/ag/p/NoncMELCoS.pdf>.
- [101] Alessio Guglielmi & Lutz Straßburger (2002): *A Non-commutative Extension of MELL*. In Matthias Baaz & Andrei Voronkov, editors: *Logic for Programming, Artificial Intelligence, and Reasoning (LPAR), Lecture Notes in Computer Science* 2514, Springer-Verlag, pp. 231–246, doi:10.1007/3-540-36078-6_16. Available at <http://www.lix.polytechnique.fr/~lutz/papers/NEL.pdf>.
- [102] Alessio Guglielmi & Lutz Straßburger (2011): *A System of Interaction and Structure V: The Exponentials and Splitting*. *Mathematical Structures in Computer Science* 21(3), pp. 563–584, doi:10.1017/S096012951100003X. Available at <http://www.lix.polytechnique.fr/~lutz/papers/NEL-splitting.pdf>.
- [103] Yves Guiraud (2005): *The Three Dimensions of Proofs*. In Paola Bruscoli, François Lamarche & Charles Stewart, editors: *Structures and Deduction*, Technische Universität Dresden, pp. 35–52. Available at <http://cs.bath.ac.uk/pb/SD05/SD05-Proc.pdf>. ICALP Workshop. ISSN 1430-211X.
- [104] Yves Guiraud (2006): *The Three Dimensions of Proofs*. *Annals of Pure and Applied Logic* 141(1-2), pp. 266–295, doi:10.1016/j.apal.2005.12.012. Available at <https://www.irif.fr/~guiraud/recherche/cos1.pdf>.
- [105] Tom Gundersen (2009): *A General View of Normalisation Through Atomic Flows*. Ph.D. thesis, University of Bath. Available at <https://tel.archives-ouvertes.fr/file/index/docid/509241/filename/thesis.pdf>.
- [106] Tom Gundersen, Willem Heijltjes & Michel Parigot (2013): *Atomic Lambda Calculus: A Typed Lambda-Calculus with Explicit Sharing*. In Orna Kupferman, editor: *28th Annual IEEE Symposium on Logic in Computer Science (LICS)*, IEEE, pp. 311–320, doi:10.1109/LICS.2013.37. Available at <http://opus.bath.ac.uk/34527/1/AL.pdf>.
- [107] Tom Gundersen, Willem Heijltjes & Michel Parigot (2013): *A Proof of Strong Normalisation of the Typed Atomic Lambda-Calculus*. In Ken McMillan, Aart Middeldorp & Andrei Voronkov, editors: *Logic for Programming, Artificial Intelligence, and Reasoning (LPAR-19), Lecture Notes in Computer Science* 8312, Springer-Verlag, pp. 340–354, doi:10.1007/978-3-642-45221-5_24. Available at <http://www.cs.bath.ac.uk/~wbh22/pdf/strong-normalisation-atomic-lambda-gundersen-heijltjes-parigot-2013.pdf>.
- [108] Robert Hein (2005): *Geometric Theories and Modal Logic in the Calculus of Structures*. Master’s thesis, Technische Universität Dresden. Available at http://bitschnitzer.de/robert_thesis.ps.gz.
- [109] Robert Hein & Charles Stewart (2005): *Purity Through Unravelling*. In Paola Bruscoli, François Lamarche & Charles Stewart, editors: *Structures and Deduction*, Technische Universität Dresden, pp. 126–143. Available at <http://cs.bath.ac.uk/pb/SD05/SD05-Proc.pdf>. ICALP Workshop. ISSN 1430-211X.
- [110] Ross Horne (2015): *The Consistency and Complexity of Multiplicative Additive System Virtual*. *Scientific Annals of Computer Science* 25(2), pp. 245–316, doi:10.7561/SACS.2015.2.245. Available at <http://www.ntu.edu.sg/home/rhorne/sacs.pdf>.
- [111] Ross Horne, Alwen Tiu, Bogdan Aman & Gabriel Ciobanu (2016): *Private Names in Non-Commutative Logic*. In Joséé Desharnais & Radha Jagadeesan, editors: *27th International Conference on Concurrency Theory (CONCUR), Leibniz International Proceedings in Informatics (LIPIcs)* 59, Schloss Dagstuhl–Leibniz-Zentrum für Informatik, pp. 31:1–16, doi:10.4230/LIPIcs.CONCUR.2016.31. Available at <http://www.ntu.edu.sg/home/rhorne/p31-Horne.pdf>.
- [112] Benjamin Robert Horsfall (2006): *The Logic of Bunched Implications: A Memoir*. Master’s thesis, University of Melbourne. Available at https://minerva-access.unimelb.edu.au/bitstream/handle/11343/39480/72729_00002633_01_horsfall-mcs.pdf?sequence=1.
- [113] Dominic J.D. Hughes (2004): *Deep Inference Proof Theory Equals Categorical Proof Theory Minus Coherence*. Available at <http://boole.stanford.edu/~dominic/papers/di/di.pdf>.
- [114] Giorgi Japaridze (2008): *Cirquent Calculus Deepened*. *Journal of Logic and Computation* 18(6), pp. 983–1028, doi:10.1093/logcom/exn019. Available at <http://arxiv.org/pdf/0709.1308.pdf>.
- [115] Emil Jeřábek (2009): *Proof Complexity of the Cut-Free Calculus of Structures*. *Journal of Logic and Computation* 19(2), pp. 323–339, doi:10.1093/logcom/exn054. Available at <http://users.math.cas.cz/~jerabek/papers/cos.pdf>.
- [116] Jean-Baptiste Joinet (2005): *Completeness of MLL Proof-nets w.r.t. Weak Distributivity*. In Paola Bruscoli, François Lamarche & Charles Stewart, editors: *Structures and Deduction*, Technische Universität Dresden, pp. 81–94. Available at <http://cs.bath.ac.uk/pb/SD05/SD05-Proc.pdf>. ICALP Workshop. ISSN 1430-211X. Invited talk at WoLLIC ’03 under the title ‘Calculus of Structures and Proof-Nets’.

- [117] Jean-Baptiste Joinet (2007): *Completeness of MLL Proof-nets w.r.t. Weak Distributivity*. *Journal of Symbolic Logic* 72(1), pp. 159–170, doi:10.2178/jsl/1174668390. Available at <http://www-philo.univ-paris1.fr/Joinet/NEW/PDF/PublicationsVersionOK/10-ok-WeakDistrib.pdf>.
- [118] Ozan Kahramanoğulları: *Labeled Event Structure Semantics of Linear Logic Planning*. Available at <https://computational-logic.org/~guglielm/ok/unilog.pdf>. Presented at the 1st World Congress on Universal Logic.
- [119] Ozan Kahramanoğulları (2004): *Implementing System BV of the Calculus of Structures in Maude*. In: *ESSLLI 2004 Student Session*, Université Henri Poincaré, Nancy, France, pp. 117–127. Available at <https://computational-logic.org/~guglielm/ok/esslli04.pdf>. 16th European Summer School in Logic, Language and Information.
- [120] Ozan Kahramanoğulları (2004): *System BV without the Equalities for Unit*. In C. Aykanat, T. Dayar & I. Körpeoğlu, editors: *19th International Symposium on Computer and Information Sciences (ISCIS), Lecture Notes in Computer Science* 3280, Springer-Verlag, pp. 986–995, doi:10.1007/978-3-540-30182-0_99. Available at <https://computational-logic.org/~guglielm/ok/bvn.pdf>.
- [121] Ozan Kahramanoğulları (2005): *Towards Planning as Concurrency*. In M.H. Hamza, editor: *Artificial Intelligence and Applications (AIA)*, ACTA Press, pp. 197–202. Available at <https://computational-logic.org/~guglielm/ok/aia05.pdf>.
- [122] Ozan Kahramanoğulları (2006): *Nondeterminism and Language Design in Deep Inference*. Ph.D. thesis, Technische Universität Dresden. Available at <https://computational-logic.org/~guglielm/ok/ozansthesis.pdf>.
- [123] Ozan Kahramanoğulları (2006): *Reducing Nondeterminism in the Calculus of Structures*. In Miki Hermann & Andrei Voronkov, editors: *Logic for Programming, Artificial Intelligence, and Reasoning (LPAR), Lecture Notes in Computer Science* 4246, Springer-Verlag, pp. 272–286, doi:10.1007/11916277_19.
- [124] Ozan Kahramanoğulları (2006): *System BV Is NP-Complete*. In Ruy de Queiroz, Angus Macintyre & Guilhaume Bittencourt, editors: *12th Workshop on Logic, Language, Information and Computation (WoLLIC), Electronic Notes in Theoretical Computer Science* 143, Elsevier, pp. 87–99, doi:10.1016/j.entcs.2005.05.026. Available at <https://computational-logic.org/~guglielm/ok/BVnpc.pdf>.
- [125] Ozan Kahramanoğulları (2007): *On Linear Logic Planning and Concurrency*. Short paper at LPAR 2007.
- [126] Ozan Kahramanoğulları (2007): *System BV Is NP-Complete*. *Annals of Pure and Applied Logic* 152(1–3), pp. 107–121, doi:10.1016/j.apal.2007.11.005.
- [127] Ozan Kahramanoğulları (2008): *Ingredients of a Deep Inference Theorem Prover*. Available at <https://computational-logic.org/~guglielm/ok/ingredients.pdf>. Short paper at CL&C'08.
- [128] Ozan Kahramanoğulları (2008): *Maude as a Platform for Designing and Implementing Deep Inference Systems*. In J. Visser & V. Winter, editors: *Eighth International Workshop on Rule Based Programming (RULE 2007), Electronic Notes in Theoretical Computer Science* 219, Elsevier, pp. 35–50, doi:10.1016/j.entcs.2008.10.033. Available at <https://computational-logic.org/~guglielm/ok/rule07.pdf>.
- [129] Ozan Kahramanoğulları (2008): *On Linear Logic Planning and Concurrency*. In Carlos Martín-Vide, Friedrich Otto & Henning Fernau, editors: *Language and Automata Theory and Applications, Lecture Notes in Computer Science* 5196, Springer-Verlag, pp. 250–262, doi:10.1007/978-3-540-88282-4_24. Available at <https://computational-logic.org/~guglielm/ok/lata.pdf>.
- [130] Ozan Kahramanoğulları (2009): *On Linear Logic Planning and Concurrency*. *Information and Computation* 207(11), pp. 1229–1258, doi:10.1016/j.ic.2009.02.008. Available at <http://www.sciencedirect.com/science/article/pii/S089054010900073X>.
- [131] Ozan Kahramanoğulları (2014): *Interaction and Depth Against Nondeterminism in Proof Search*. *Logical Methods in Computer Science* 10(2), pp. 5:1–49, doi:10.2168/LMCS-10(2:5)2014. Available at <http://arxiv.org/pdf/1403.2628.pdf>.
- [132] Ozan Kahramanoğulları (2016): *True Concurrency of Deep Inference Proofs*. In Jouko Väänänen, Åsa Hirvonen & Ruy de Queiroz, editors: *23rd Workshop on Logic, Language, Information and Computation (WoLLIC), Lecture Notes in Computer Science* 9803, Springer-Verlag, pp. 249–264, doi:10.1007/978-3-662-52921-8_16. Available at <https://drive.google.com/file/d/0B150TbHH-gFtWVE0dGJMOVFEeTQ/view>.
- [133] Ozan Kahramanoğulları (2017): *Deep Proof Search in MELL*. In Thomas Eiter & David Sands, editors: *Logic for Programming, Artificial Intelligence, and Reasoning (LPAR-21), EPiC Series in Computing* 46, EasyChair, pp. 106–124. Available at <https://easychair.org/publications/paper/340358>.
- [134] Ozan Kahramanoğulları, Pierre-Etienne Moreau & Antoine Reilles (2005): *Implementing Deep Inference in TOM*. In Paola Bruscoli, François Lamarche & Charles Stewart, editors: *Structures and Deduction*, Technische Universität Dresden, pp. 158–172. Available at <https://computational-logic.org/~guglielm/ok/sd05.pdf>. ICALP Workshop. ISSN 1430-211X.
- [135] François Lamarche (2007): *Exploring the Gap between Linear and Classical Logic*. *Theory and Applications of Categories* 18(17), pp. 473–535. Available at <http://www.tac.mta.ca/tac/volumes/18/17/18-17.pdf>.
- [136] François Lamarche & Lutz Straßburger (2005): *Constructing Free Boolean Categories*. In Prakash Panangaden, editor: *20th Annual IEEE Symposium on Logic in Computer Science (LICS)*, IEEE, pp. 209–218, doi:10.1109/LICS.2005.13. Available at <http://www.lix.polytechnique.fr/~lutz/papers/FreeBool-long.pdf>.

- [137] François Lamarche & Lutz Straßburger (2005): *Naming Proofs in Classical Propositional Logic*. In Paweł Urzyczyn, editor: *Typed Lambda Calculi and Applications (TLCA)*, *Lecture Notes in Computer Science* 3461, Springer-Verlag, pp. 246–261, doi:10.1007/11417170_19. Available at <http://www.lix.polytechnique.fr/~lutz/papers/namingproofsCL.pdf>.
- [138] François Lamarche & Lutz Straßburger (2006): *From Proof-Nets to the Free *-Autonomous Category*. *Logical Methods in Computer Science* 2(4), pp. 3:1–44, doi:10.2168/LMCS-2(4:3)2006. Available at <https://arxiv.org/pdf/cs/0605054.pdf>.
- [139] Björn Lellmann & Elaine Pimentel (2015): *Proof Search in Nested Sequent Calculi*. In Martin Davis, Ansgar Fehnker, Annabelle McIver & Andrei Voronkov, editors: *Logic for Programming, Artificial Intelligence, and Reasoning (LPAR-20)*, *Lecture Notes in Computer Science* 9450, Springer-Verlag, pp. 558–574, doi:10.1007/978-3-662-48899-7_39. Available at <https://www.logic.at/staff/lellmann/static/publications/2015/2015LPAR.pdf>.
- [140] Stéphane Lengrand (2006): *Normalisation & Equivalence in Proof Theory & Type Theory*. Ph.D. thesis, Université Paris VII - Denis Diderot, University of St Andrews. Available at <http://www.lix.polytechnique.fr/~lengrand/Work/Reports/MyThesis.pdf>.
- [141] Stéphane Lengrand & Kai Brännler (2005): *Getting Formalisms A and B by Proof-Terms and Typing Systems*. Available at <http://www.lix.polytechnique.fr/~lengrand/Work/Reports/DI.ps>.
- [142] Sonia Marin & Lutz Straßburger (2014): *Label-free Modular Systems for Classical and Intuitionistic Modal Logics*. In Rajeev Goré, Barteld Kooi & Agi Kurucz, editors: *Advances in Modal Logic (AiML)*, 10, College Publications, pp. 387–406. Available at <http://www.lix.polytechnique.fr/~lutz/papers/modul-modal.pdf>.
- [143] Richard McKinley (2005): *Classical Categories and Deep Inference*. In Paola Bruscoli, François Lamarche & Charles Stewart, editors: *Structures and Deduction*, Technische Universität Dresden, pp. 19–33. Available at <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.59.3889&rep=rep1&type=pdf>. ICALP Workshop. ISSN 1430-211X.
- [144] Richard McKinley (2006): *Categorical Models of First Order Classical Proofs*. Ph.D. thesis, University of Bath. Available at <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.60.5125&rep=rep1&type=pdf>.
- [145] Novak Novaković & Lutz Straßburger (2015): *On the Power of Substitution in the Calculus of Structures*. *ACM Transactions on Computational Logic* 16(3), pp. 19:1–20, doi:10.1145/2701424. Available at <http://www.lix.polytechnique.fr/~lutz/papers/SubstCoS.pdf>.
- [146] Linda Postniece (2009): *Deep Inference in Bi-intuitionistic Logic*. In Hiroakira Ono, Makoto Kanazawa & Ruy de Queiroz, editors: *16th Workshop on Logic, Language, Information and Computation (WoLLIC)*, *Lecture Notes in Computer Science* 5514, Springer-Verlag, pp. 320–334, doi:10.1007/978-3-642-02261-6_26. Available at <http://users.cecs.anu.edu.au/~linda/postniece-dbi.pdf>.
- [147] Linda Postniece (2011): *Proof Theory and Proof Search of Bi-Intuitionistic and Tense Logic*. Ph.D. thesis, The Australian National University. Available at <http://users.cecs.anu.edu.au/~linda/thesis.pdf>.
- [148] Benjamin Ralph (2018): *A Natural Proof System for Herbrand’s Theorem*. In Sergei Artemov & Anil Nerode, editors: *Logical Foundations of Computer Science (LFCS)*, *Lecture Notes in Computer Science* 10703, Springer International Publishing, pp. 289–308, doi:10.1007/978-3-319-72056-2_18. Available at <http://people.bath.ac.uk/bdr25/files/prfsysht.pdf>.
- [149] Antoine Reilles (2007): *Canonical Abstract Syntax Trees*. In: *6th International Workshop on Rewriting Logic and Its Applications (WRLA 2006)*, *Electronic Notes in Theoretical Computer Science* 176, Elsevier, pp. 165–179, doi:10.1016/j.entcs.2007.06.014. Available at <https://arxiv.org/pdf/cs/0601019.pdf>.
- [150] Luca Roversi: *Linear Lambda Calculus with Explicit Substitutions as Proof-Search in Deep Inference*. Available at <http://arxiv.org/pdf/1011.3668.pdf>.
- [151] Luca Roversi (2011): *Linear Lambda Calculus and Deep Inference*. In Luke Ong, editor: *Typed Lambda Calculi and Applications (TLCA)*, *Lecture Notes in Computer Science* 6690, Springer-Verlag, pp. 184–197, doi:10.1007/978-3-642-21691-6_16. Available at <http://www.di.unito.it/~rover/RESEARCH/PUBLICATIONS/2011-TLCA/Roversi2011TLCA.pdf>.
- [152] Luca Roversi (2012): *Communication, and Concurrency with Logic-Based Restriction Inside a Calculus of Structures*. Available at <http://arxiv.org/pdf/1212.4669v1.pdf>.
- [153] Luca Roversi (2016): *A Deep Inference System with a Self-Dual Binder Which Is Complete for Linear Lambda Calculus*. *Journal of Logic and Computation* 26(2), pp. 677–698, doi:10.1093/logcom/exu033. Available at <http://www.di.unito.it/~rover/RESEARCH/PUBLICATIONS/2014-JLC/Roversi2014JLC.pdf>.
- [154] Daniyar Shamkanov (2015): *Nested Sequents for Provability Logic GLP*. *Logic Journal of the IGPL* 23(5), pp. 789–815, doi:10.1093/jigpal/jzv029. Available at <http://arxiv.org/pdf/1410.6652.pdf>.
- [155] Charles Stewart & Phiniki Stouppa (2005): *A Systematic Proof Theory for Several Modal Logics*. In Renate Schmidt, Ian Pratt-Hartmann, Mark Reynolds & Heinrich Wansing, editors: *Advances in Modal Logic (AiML)*, 5, King’s College Publications, pp. 309–333. Available at <http://www.aiml.net/volumes/volume5/Stewart.ps>.
- [156] Phiniki Stouppa (2004): *The Design of Modal Proof Theories: The case of S5*. Master’s thesis, Technische Universität Dresden. Available at http://www.wv.inf.tu-dresden.de/Publications/Diploma/diplom_stouppa.pdf.

- [157] Phiniki Stouppa (2007): *A Deep Inference System for the Modal Logic S5*. *Studia Logica* 85(2), pp. 199–214, doi:10.1007/s11225-007-9028-y. Available at <http://www.iam.unibe.ch/tilpub/2007/sto07.pdf>.
- [158] Lutz Straßburger (2002): *A Local System for Linear Logic*. Technical Report WV-02-01, Technische Universität Dresden. Available at <http://www.lix.polytechnique.fr/~lutz/papers/l1s.pdf>.
- [159] Lutz Straßburger (2002): *A Local System for Linear Logic*. In Matthias Baaz & Andrei Voronkov, editors: *Logic for Programming, Artificial Intelligence, and Reasoning (LPAR), Lecture Notes in Computer Science* 2514, Springer-Verlag, pp. 388–402, doi:10.1007/3-540-36078-6_26. Available at <http://www.lix.polytechnique.fr/~lutz/papers/l1s-lpar.pdf>.
- [160] Lutz Straßburger (2003): *Linear Logic and Noncommutativity in the Calculus of Structures*. Ph.D. thesis, Technische Universität Dresden. Available at <http://www.lix.polytechnique.fr/~lutz/papers/dissvonlutz.pdf>.
- [161] Lutz Straßburger (2003): *MELL in the Calculus of Structures*. *Theoretical Computer Science* 309, pp. 213–285, doi:10.1016/S0304-3975(03)00240-8. Available at <http://www.lix.polytechnique.fr/~lutz/papers/els.pdf>.
- [162] Lutz Straßburger (2003): *System.NEL Is Undecidable*. In Ruy de Queiroz, Elaine Pimentel & Lucília Figueiredo, editors: *10th Workshop on Logic, Language, Information and Computation (WoLLIC), Electronic Notes in Theoretical Computer Science* 84, Elsevier, pp. 166–177, doi:10.1016/S1571-0661(04)80853-3. Available at http://www.lix.polytechnique.fr/~lutz/papers/NELundec_wollic03.pdf.
- [163] Lutz Straßburger (2003): *The Undecidability of System.NEL*. Technical Report WV-03-05, Technische Universität Dresden. Available at <http://www.lix.polytechnique.fr/~lutz/papers/NELundeci.pdf>.
- [164] Lutz Straßburger (2005): *From Deep Inference to Proof.Nets*. In Paola Bruscoli, François Lamarche & Charles Stewart, editors: *Structures and Deduction*, Technische Universität Dresden, pp. 2–18. Available at <http://www.lix.polytechnique.fr/~lutz/papers/deepnet-SD05.pdf>. ICALP Workshop. ISSN 1430-211X.
- [165] Lutz Straßburger (2006): *Proof Nets and the Identity of Proofs*. Technical Report 6013, INRIA. Available at <https://hal.inria.fr/file/index/docid/114320/filename/RR-6013.pdf>.
- [166] Lutz Straßburger (2006): *What Could a Boolean Category Be?* Available at <http://www.lix.polytechnique.fr/~lutz/papers/medial-kurz.pdf>. Workshop Classical Logic and Computation colocated with ICALP 2006.
- [167] Lutz Straßburger (2007): *A Characterisation of Medial as Rewriting Rule*. In Franz Baader, editor: *18th International Conference on Rewriting Techniques and Applications (RTA), Lecture Notes in Computer Science* 4533, Springer-Verlag, pp. 344–358, doi:10.1007/978-3-540-73449-9_26. Available at <http://www.lix.polytechnique.fr/~lutz/papers/CharMedial.pdf>.
- [168] Lutz Straßburger (2007): *Deep Inference for Hybrid Logic*. In Jørgen Villadsen, Thomas Bolander & Torben Bräuner, editors: *International Workshop on Hybrid Logic HyLo 2007*, pp. 13–22. Available at <http://www.lix.polytechnique.fr/~lutz/papers/hybrid.pdf>.
- [169] Lutz Straßburger (2007): *On the Axiomatisation of Boolean Categories with and Without Medial*. *Theory and Applications of Categories* 18(18), pp. 536–601. Available at <http://www.lix.polytechnique.fr/~lutz/papers/medial.pdf>.
- [170] Lutz Straßburger (2007): *What Is a Logic, and What Is a Proof?* In Jean-Yves Beziau, editor: *Logica Universalis—Towards a General Theory of Logic*, Birkhäuser, pp. 135–152. Available at <http://www.lix.polytechnique.fr/~lutz/papers/WhatLogicProof.pdf>.
- [171] Lutz Straßburger (2009): *Some Observations on the Proof Theory of Second Order Propositional Multiplicative Linear Logic*. In Pierre-Louis Curien, editor: *Typed Lambda Calculi and Applications (TLCA), Lecture Notes in Computer Science* 5608, Springer-Verlag, pp. 309–324, doi:10.1007/978-3-642-02273-9_23. Available at <http://www.lix.polytechnique.fr/~lutz/papers/ObsPT-MLL2-finalforTLCA09.pdf>.
- [172] Lutz Straßburger (2010): *What Is the Problem with Proof.Nets for Classical Logic?* In Fernando Ferreira, Benedikt Löwe, Elvira Mayordomo & Luís Mendes Gomes, editors: *Programs, Proofs, Processes—6th Conference on Computability in Europe, Lecture Notes in Computer Science* 6158, Springer-Verlag, pp. 406–416, doi:10.1007/978-3-642-13962-8_45. Available at <http://www.lix.polytechnique.fr/~lutz/papers/CiE10.pdf>.
- [173] Lutz Straßburger (2011): *From Deep Inference to Proof.Nets Via Cut Elimination*. *Journal of Logic and Computation* 21(4), pp. 589–624, doi:10.1093/logcom/exp047. Available at <http://www.lix.polytechnique.fr/~lutz/papers/deepnet.pdf>.
- [174] Lutz Straßburger (2011): *Towards a Theory of Proofs of Classical Logic*. Available at <http://www.lix.polytechnique.fr/~lutz/papers/HDR.pdf>. Habilitation Thesis.
- [175] Lutz Straßburger (2012): *Extension Without Cut*. *Annals of Pure and Applied Logic* 163(12), pp. 1995–2007, doi:10.1016/j.apal.2012.07.004. Available at <http://www.lix.polytechnique.fr/~lutz/papers/psppp.pdf>.
- [176] Lutz Straßburger (2013): *Cut Elimination in Nested Sequents for Intuitionistic Modal Logics*. In Frank Pfenning, editor: *Foundations of Software Science and Computation Structures (FoSSaCS), Lecture Notes in Computer Science* 7794, Springer-Verlag, pp. 209–224, doi:10.1007/978-3-642-37075-5_14. Available at <http://www.lix.polytechnique.fr/~lutz/papers/nested-int-mod-fossacs13.pdf>.

- [177] Lutz Straßburger (2017): *Combinatorial Flows and Proof Compression*. Technical Report RR-9048, INRIA. Available at <https://hal.inria.fr/hal-01498468/document>.
- [178] Lutz Straßburger (2017): *Combinatorial Flows and Their Normalisation*. In Dale Miller, editor: *2nd International Conference on Formal Structures for Computation and Deduction (FSCD)*, *Leibniz International Proceedings in Informatics (LIPIcs)* 84, Schloss Dagstuhl–Leibniz-Zentrum für Informatik, pp. 31:1–17, doi:10.4230/LIPIcs.FSCD.2017.31. Available at <http://drops.dagstuhl.de/opus/volltexte/2017/7720/pdf/LIPIcs-FSCD-2017-31.pdf>.
- [179] Lutz Straßburger & Alessio Guglielmi (2011): *A System of Interaction and Structure IV: The Exponentials and Decomposition*. *ACM Transactions on Computational Logic* 12(4), pp. 23:1–39, doi:10.1145/1970398.1970399. Available at <http://arxiv.org/pdf/0903.5259.pdf>.
- [180] Lutz Straßburger & François Lamarche (2004): *On Proof Nets for Multiplicative Linear Logic with Units*. In J. Marcinkowski & A. Tarlecki, editors: *Computer Science Logic (CSL)*, *Lecture Notes in Computer Science* 3210, Springer-Verlag, pp. 145–159, doi:10.1007/978-3-540-30124-0_14. Available at <http://www.lix.polytechnique.fr/~lutz/papers/multPN.pdf>.
- [181] Alwen Tiu (2006): *A Local System for Intuitionistic Logic*. In Miki Hermann & Andrei Voronkov, editors: *Logic for Programming, Artificial Intelligence, and Reasoning (LPAR)*, *Lecture Notes in Computer Science* 4246, Springer-Verlag, pp. 242–256, doi:10.1007/11916277_17. Available at <http://users.cecs.anu.edu.au/~tiu/papers/lpar06sub.pdf>.
- [182] Alwen Tiu (2006): *A System of Interaction and Structure II: The Need for Deep Inference*. *Logical Methods in Computer Science* 2(2), pp. 4:1–24, doi:10.2168/LMCS-2(2:4)2006. Available at <https://arxiv.org/pdf/cs/0512036.pdf>.
- [183] Alwen Tiu, Egor Ianovski & Rajeev Goré (2012): *Grammar Logics in Nested Sequent Calculus: Proof Theory and Decision Procedures*. In Thomas Bolander, Torben Braüner, Silvio Ghilardi & Lawrence Moss, editors: *Advances in Modal Logic (AiML)*, 9, College Publications, pp. 516–537. Available at <http://users.cecs.anu.edu.au/~tiu/papers/grammar.pdf>.
- [184] Alwen Fernanto Tiu (2001): *AI-Unification*. Technical Report WV-01-08, Technische Universität Dresden. Available at <http://www.lix.polytechnique.fr/~tiu/a1.ps.gz>.
- [185] Alwen Fernanto Tiu (2001): *Combining AI- and ACI-Unification Sharing Unit*. Technical Report WV-01-09, Technische Universität Dresden. Available at <http://www.lix.polytechnique.fr/~tiu/comb4.ps.gz>.
- [186] Alwen Fernanto Tiu (2001): *Properties of a Logical System in the Calculus of Structures*. Technical Report WV-01-06, Technische Universität Dresden. Available at <http://www.lix.polytechnique.fr/~tiu/thesisc.pdf>.