

# Curriculum vitæ

**Miki (Nicolas) HERMANN**

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## Personal Data

- Date of Birth: 21 December 1958
- Place of Birth: Bratislava, Czechoslovakia (now Slovakia)
- Citizenship: French and Slovak
- Spoken languages: English, French, German, Slovak, Czech, and Russian

## Education

1. Habilitation (second Ph.D.), March 1994, University Henri Poincaré, Nancy, France  
Title: Divergence of term rewriting systems and schematizations of infinite sets of terms  
(in French: [Divergence des systèmes de réécriture et schématisation des ensembles infinis de termes](#))  
Supervisor: Pierre Lescanne
2. “Doctor of Computer Science”, June 1983, Comenius University, Bratislava, Czechoslovakia  
Title: Operational semantics of term rewriting systems (in Slovak)  
Supervisor: Igor Prívvara

## Employment History

**01/2011 to present:** Head of the Algorithms and Complexity research group in the Computer Science laboratory (LIX) of Ecole Polytechnique

**04/2002 to present:** Researcher in the laboratory LIX (CNRS, UMR 7161) at École Polytechnique

**03/2016-05/2016:** Scientific stay at the Simons Institute, University of California, Berkeley, within the program [Counting Complexity and Phase Transitions](#)

**03/1996 – 04/1996, 05/1998, 05/1999, 05/2000, 06/2002, 06/2003, 06/2006, 03/2007, ...**

**... 05/2009, 04/2010, 05/2012, 05/2013, 05/2014, 05/2015, and 07/2016:** Visiting position at the Technical University of Vienna, Austria, *Institut für Computersprachen, Abteilung für Anwendung der formalen Logik*, on the invitation of Profs. Gernot Salzer and Alexander Leitsch.

**08/1994 – 07/1995:** Sabbatical stay as a Research Associate at the University of California in Santa Cruz, on the invitation of professor Phokion G. Kolaitis

**10/1992 to present:** Senior Research Fellow (*Chargé de recherche 1ère classe*), *Centre National de la Recherche Scientifique* (French National Research Center)

**10/1987 to 03/2002:** Researcher in the laboratory LORIA (CNRS, UMR 7503) in Nancy

**09/1998 – 08/1999:** Temporary associated professor at the University Henri Poincaré, Nancy 1

**01/1993 – 12/1997:** Deputy head of the EURECA research group in the scientific laboratory CRIN & INRIA-LORRAINE (now LORIA)

**10/1988 – 09/1992:** Research Fellow (*Chargé de recherche 2ème classe*), CNRS

**10/1987 – 09/1988** Visiting Scientist (*Chargé de recherche associé*), CNRS

**07/1983 – 09/1987** Research Scientist, Institute of Socio-Economic Information and Automation of Control (VUSEI-AR), Bratislava, Czechoslovakia

## Current Research Interests

Constraint Satisfaction Problems, Computational Complexity, Counting Complexity, Analysis of Algorithms, Automated Deduction, Equational Logic, Term Rewriting Systems and Unification.

## Received Grants

1. ANR Blanc International ALCOCLAN research grant with Technical University in Vienna, Austria, 2012-2015. Endowed with €213 000 for four permanent researchers, one post-doc, and a PhD student.
2. AMADEUS research project PAI with Technical University in Vienna, Austria (Gernot Salzer), 2009-2010.
3. AMADEUS research project PAI with Technical University in Vienna, Austria (Gernot Salzer), 2004-2005.
4. AMADEUS research project PAI with Technical University in Vienna, Austria (Gernot Salzer), 2000-2001.
5. NATO Scientific Grant for the sabbatical stay at the University of California in Santa Cruz, academic year 1994-95.
6. Grant *Projet STIMULATION*, Institut National Polytechnique de Lorraine, 1991.

## Teaching Experience

### Undergraduate level:

Computer Science Department, University of Nancy, France

- Mathematical Methods for Computer Science (mainly Logic, Analysis of Algorithms, and Formal Languages and Automata) (1998-99)
- Programming in Java (1998-99)
- Functional Programming in ML (1991-92, 1992-93)

Computer Science Department, University of Paris 11, Orsay, France

- Introduction to Theoretical Computer Science (labs 2001-2002 and 2002-2003)

### Graduate level:

M.Sc. Computer Science, Paris

- Algorithms and Complexity of Constraint Satisfaction Problems, taught together with Manuel Bodirsky, 50% (12 hours) of the teaching load (2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013)
- Design of Algorithms for Combinatorial Optimization, Part: Complexity of Constraint Satisfaction Problems (2004-2005)

Computer Science Department, University of Nancy, France

- Complexity and Analysis of Algorithms (1999-2000, 2001-2002)
- Information and Coding Theory (1998-99, 1999-2000, 2000-2001, and 2001-2002)
- Rewrite Systems and Unification (1990-91, 1991-92, 1992-93, and 1993-94)

Technical University of Vienna, Austria

- Rewrite Systems and Unification (1995-96)
- Constraint Logic Programming (1997-98 and 1998-99)
- Error correcting codes (1999-2000 and 2001-2002)

## Supervised Students

### Ph.D. Students

**Florian Richoux:** École Polytechnique, 2006-2009. Defended his Ph.D. on November 12, 2009.  
Now: assistant professor at Université de Nantes, France.

**Laurent Juban:** Université Nancy 1, 1996-1999. Defended his Ph.D. on December 21, 1999.  
Now: in industry — *Office National de Forêts*, France, SAP project leader.

### Co-supervised Ph.D. Students

**Yann Strozecki:** Université Paris 7, 2007-2010. Co-supervised with Arnaud Durand. Defended his Ph.D. on December 8, 2010.  
Now: assistant professor at Université de Versailles Saint-Quentin, France.

### Post-Doctoral Students

**Michał Wrona:** January 2015 — August 2015.

Now: Assistant professor at the Theoretical Computer Science Department of the Jagiellonian University, Kraków, Poland.

**Stefan Mengel:** October 2013 — September 2015.

Now: CNRS researcher at the CRIL laboratory, Université d'Artois, Lens, France.

**Barnaby Martin:** October 2012 — December 2012.

Now: Assistant professor at the Computer Science Department, Middlesex University, UK.

**Gustav Nordh:** September 2007 — August 2008.

Now: Assistant professor at the Computer Science Department, University of Linköping, Sweden.

**Arnaud Durand:** October 1998 — March 1999.

Now: Full professor at Mathematics Department, University Denis Diderot Paris 7, France.

## M.Sc. Students

**Vincent Rudelli:** 2007-2008. (Now: high-school teacher of mathematics in Bordeaux)

**Julien Demouth:** 2004-2005. (Now: Senior Engineer at NVIDIA France)

**Romuald Didelot:** 1999-2000.

**Lamia Djerid:** 1992-93.

## Participation on PhD Committees

**Olivier Gasquet:** first reader, University Paul Sabatier – Toulouse 3, July 1994

**Ali Amaniss:** first reader, University Henri Poincaré – Nancy 1, September 1996

**Thierry Aimé:** first reader, University Bordeaux 1, October 1996

**Avy Sharell:** first reader, University Paris 11 – Orsay, February 1998

**Olivier Gasquet:** D.Sc., first reader, University Paul Sabatier – Toulouse 3, December 2002

**Florent Madelaine:** examiner, University of Caen, March 2003

**Bruno Zanuttini:** first reader, University of Caen, July 2003

**Guillaume Malod:** examiner, University Claude Bernard – Lyon 1, July 2003

**Nicolas Peltier:** D.Sc., examiner, Institut National Polytechnique de Grenoble, June 2007.

## Participation on Program Committees

**LPAR 2017:** program committee member

*21st International Conference on Logic for Programming, Artificial Intelligence and Reasoning,*  
Maun (Botswana), May 7-12, 2017.

**LPAR 2015:** program committee member

*20th International Conference on Logic for Programming, Artificial Intelligence and Reasoning,*  
Suva (Fiji), November 24-28, 2015.

**TAMC 2011:** program committee member

*8th Annual Conference on Theory and Applications of Models of Computation,*  
Tokyo (Japan), May 23-25, 2011.

**LPAR 2010:** program committee member

*17th International Conference on Logic for Programming, Artificial Intelligence and Reasoning,*  
Yogyakarta (Indonesia), October 10-15, 2010.

**AAAI 2010:** program committee member

*24th Conference on Artificial Intelligence,*  
Atlanta (Georgia, USA), July 11-15, 2010.

**CADE 2009:** program committee member

*22nd International Conference on Automated Deduction,*  
Montreal (Canada), August 2-7, 2009.

**LPAR 2006:** program committee **co-chair**

*13th International Conference on Logic for Programming, Artificial Intelligence, and Reasoning,*  
Phnom Penh (Cambodia), November 13-17, 2006.

**LPAR 2005:** program committee member

*12th International Conference on Logic for Programming, Artificial Intelligence, and Reasoning,*  
Montego Bay (Jamaica), December 2-6, 2005.

**LPAR 2004:** program committee member

*11th International Conference on Logic for Programming, Artificial Intelligence, and Reasoning*,  
Montevideo (Uruguay), March 14-18, 2005.

**LPAR 2003:** program committee member

*10th International Conference on Logic for Programming, Artificial Intelligence, and Reasoning*,  
Almaty (Kazakhstan), September 22-26, 2003.

**CADE-19:** program committee member

*19th International Conference on Automated Deduction*,  
Miami Beach (Florida, USA), July 28-August 2, 2003.

**LPAR 2002:** program committee member

*9th International Conference on Logic for Programming, Artificial Intelligence, and Reasoning*,  
Tbilisi (Republic of Georgia), October 14-18, 2002.

**SOFSEM '98:** program committee member

*25th Annual Seminar on Current Trends in Theory and Practice of Informatics*,  
Jasná (Slovakia), November 21-27, 1998.

## Participation in French and International Projects

**ANR:** Head of the ANR Blanc International project ALCOCLAN (*Algorithms and Complexity of Constraint Languages*) with Technical University in Vienna, Austria, 2012-2015.

**ANR:** Member of the ANR project ENUM (*Algorithms and Complexity for Answer Enumeration*), 2008-2011.

**AMADEUS:** Head of the french part of an international project 2000-2001, 2004-2005, and 2009-2010 between France and Austria.

## Organization of Workshops and Conferences

**ADDCT'09:** *Automated Deduction: Decidability, Complexity, Tractability* (ADDCT'09),  
Workshop associated with *22nd International Conference on Automated Deduction* (CADE 2009),  
Montreal (Canada), August 2, 2009.

Co-organiser (with Franz Baader, Silvio Ghilardi, Viorica Sofronie-Stokkermans and Ashish Tiwari)  
of the workshop.

URL = <http://www.mpi-inf.mpg.de/~sofronie/addct09/>

**CEDAR'08:**

Complexity, Expressibility, and Decidability in Automated Reasoning (CEDAR'08).

Workshop associated with the 4th International Joint Conference on Automated Reasoning (IJCAR 2008)

Sydney (Australia), August 10, 2008.

URL = <http://www.mpi-inf.mpg.de/~sofronie/cedar08.html>

Co-organizer (with Franz Baader, Silvio Ghilardi, Ulrike Sattler, and Viorica Sofronie-Stokkermans)  
of the workshop.

### **LPAR 2006:**

13th International Conference on Logic for Programming, Artificial Intelligence, and Reasoning (LPAR 2006)

Phnom Penh (Cambodia), November 13-17, 2006.

URL = <http://www.lix.polytechnique.fr/~hermann/LPAR2006/>

Co-chair (with Andrei Voronkov) of the conference.

The proceedings appeared as volume 4246 of *Lecture Notes in Artificial Intelligence*, printed by Springer-Verlag.

### **2nd International Workshop on Complexity in Automated Deduction:**

satellite workshop of CADE-18 within the FLoC'02 conference

Copenhagen (Denmark), July 25-26, 2002.

Co-organizer (with Georg Gottlob and Michael Rusinowitch) of the workshop.

Selected papers appeared in *Theory of Computing Systems*, 37(6), 2004.

### **Workshop on Complexity, Finite Models, and Databases:**

University Paris 2 (France), June 7-8, 2001.

Co-organizer (with Michel de Rougemont) of the workshop.

### **Workshop on Complexity in Automated Deduction:**

LORIA, Nancy (France), June 29, 1999.

Member of the organizing committee and of the local arrangements.

### **Workshop on Schematisation Techniques**

satellite workshop of the 13th International Conference on Automated Deduction within the FLoC'96 conference

New Brunswick (New Jersey, USA), July/August 1996.

URL = <http://logic.at/cade13/>

Co-organizer (with Gernot Salzer) of the workshop.

### **CADE-12:** 12th International Conference on Automated Deduction, Nancy (France), June 1994;

Member of the organizing committee.

## **Invited Lectures**

**2016:** Seminar 16381 *SAT and Interactions*, Schloß Dagstuhl (Germany), 18-23 September 2016.

Contribution: *Minimal Distance of Propositional Models*.

**2013:** Seminar 13031 *Computational Counting*, Schloß Dagstuhl (Germany), 13-18 January 2013.

Contribution: *How Hard It Is To Count Easily*.

**2012:** Seminar 12471 *SAT Interactions*, Schloß Dagstuhl (Germany), 18-23 November 2012.

**2010:** *International Workshop on Tractability*, Microsoft Research, Cambridge (United Kingdom), 5-6 July 2010. Contribution: *What Makes Minimal Inference Tractable*.

**2009:** Seminar 09441 *The Constraint Satisfaction Problem: Complexity and Approximability*, Schloß Dagstuhl (Germany), 25-30 October 2009.

**2006:** Seminar 06401 *Complexity of Constraints*, Schloß Dagstuhl (Germany), 1-6 October 2006.

**2004:** Canadian Mathematical Society 2004 Winter Meeting. Special Session on Universal Algebra and Complexity.

McGill University, Montreal (Quebec, Canada), 11-13 December 2004.

## List of Publications

**Remark:** This PDF file uses hyperlinks and therefore it allows to access directly the publications by clicking on the title or the DOI.

## Special Issues and Conference/Workshop Proceedings

P1 F. Baader, S. Ghilardi, M. Hermann, V. Sofronie-Stokkermans, and A. Tiwari. *Automated Deduction: Decidability, Complexity, Tractability (ADDCT'09)*, Workshop associated with *22nd International Conference on Automated Deduction (CADE 2009)*, Montreal (Canada), August 2009.

P2 F. Baader, S. Ghilardi, M. Hermann, U. Sattler, and V. Sofronie-Stokkermans. *Complexity, Expressibility, and Decidability in Automated Reasoning (CEDAR'08)*. Workshop associated with *4th International Joint Conference on Automated Reasoning (IJCAR 2008)*, Sydney (Australia), August 2008.

P3 M. Hermann and A. Voronkov, editors. *Proceedings 13th International Conference: Logic for Programming, Artificial Intelligence, and Reasoning (LPAR 2006)*, volume 4246 of *Lecture Notes in Artificial Intelligence*, Phnom Penh (Cambodia). Springer-Verlag, November 2006.

DOI: [10.1007/11916277](https://doi.org/10.1007/11916277)

P4 G. Gottlob, M. Hermann, and M. Rusinowitch. Special Issue of Papers From the 2nd International Workshop on Complexity in Automated Deduction. *Theory of Computing Systems*, 37(6), 2004.

DOI: [10.1007/s00224-004-3706-1](https://doi.org/10.1007/s00224-004-3706-1)

P5 M. Hermann and G. Salzer. *Term Schematizations and Their Applications*. Workshop associated with *13th International Conference on Automated Deduction (CADE'96)*, New Brunswick (New Jersey, USA), July 1996.

## Refereed Publications in Scientific Journals

J1 A. Goodall, M. Hermann, T. Kotek, J. A. Makowsky, and S. D. Noble. *On the complexity of generalized chromatic polynomials*. *Advances in Applied Mathematics*, xx(xx):xx–xx, 2017.

DOI: [10.1016/j.aam.2017.04.005](https://doi.org/10.1016/j.aam.2017.04.005)

J2 M. Bodirsky, M. Hermann, and F. Richoux. *Complexity of existential positive first-order logic* *Journal of Logic and Computation*, 23(4):753–760, 2013.

DOI: [10.1093/logcom/exr043](https://doi.org/10.1093/logcom/exr043)

J3 A. Durand, M. Hermann, and G. Nordh. *Trichotomies in the complexity of minimal inference*. *Theory of Computing Systems*, 50(3):446–491, 2012.

DOI: [10.1007/s00224-011-9320-0](https://doi.org/10.1007/s00224-011-9320-0)

J4 M. Hermann and R. Pichler. *Counting complexity of propositional abduction*. *Journal of Computer and System Sciences*, 76(7):634–649, 2010.

DOI: [10.1016/j.jcss.2009.12.001](https://doi.org/10.1016/j.jcss.2009.12.001)

- J5 V. Chepoi, N. Creignou, M. Hermann, and G. Salzer. [The Helly property and satisfiability of Boolean formulas defined on set families](#). *European Journal of Combinatorics*, 31(2):502–516, 2010.  
DOI: [10.1016/j.ejc.2009.03.022](#)
- J6 M. Hermann and R. Pichler. [Complexity of counting the optimal solutions](#). *Theoretical Computer Science*, 410(38-40):3814–3825, 2009.  
DOI: [10.1016/j.tcs.2009.05.025](#)
- J7 A. Gil, M. Hermann, G. Salzer, and B. Zanuttini. [Efficient algorithms for constraint description problems over finite totally ordered domains](#). *SIAM Journal on Computing*, 38(3):922–945, 2008.  
DOI: [10.1137/050635900](#)
- J8 M. Hermann. [On Boolean primitive positive clones](#). *Discrete Mathematics*, 308(15):3151–3162, 2008.  
DOI: [10.1016/j.disc.2007.06.018](#)
- J9 A. Durand and M. Hermann. [On the counting complexity of propositional circumscription](#). *Information Processing Letters*, 106(4):164–170, 2008.  
DOI: [10.1016/j.ipl.2007.11.006](#)
- J10 N. Creignou, M. Hermann, A. Krokhin, and G. Salzer. [Complexity of clausal constraints over chains](#). *Theory of Computings Systems*, 42(2):239–255, 2008.  
DOI: [10.1007/s00224-007-9003-z](#)
- J11 A. Durand, M. Hermann, and P. G. Kolaitis. [Subtractive reductions and complete problems for counting complexity classes](#). *Theoretical Computer Science*, 340(3):496–513, 2005.  
DOI: [10.1016/j.tsc.2005.03.012](#)
- J12 A. Durand, M. Hermann, and L. Juban. [On the complexity of recognizing the Hilbert basis of a linear Diophantine system](#). *Theoretical Computer Science*, 270(1-2):625–642, 2002.  
DOI: [10.1016/S0304-3975\(01\)00017-2](#)
- J13 M. Hermann and P. G. Kolaitis. [Unification algorithms cannot be combined in polynomial time](#). *Information and Computation*, 162(1-2):24–42, 2000.  
DOI: [10.1006/inco.1999.2855](#)
- J14 M. Hermann and P. G. Kolaitis. [Computational complexity of simultaneous elementary matching problems](#). *Journal of Automated Reasoning*, 23(2):107–136, 1999.  
DOI: [10.1023/A:1006136609427](#)
- J15 M. Hermann and R. Galbavý. [Unification of infinite sets of terms schematized by primal grammars](#). *Theoretical Computer Science*, 176(1-2):111–158, 1997.  
DOI: [10.1016/S0304-3975\(96\)00052-7](#)
- J16 N. Creignou and M. Hermann. [Complexity of generalized satisfiability counting problems](#). *Information and Computation*, 125(1):1–12, 1996.  
DOI: [10.1006/inco.1996.0016](#)
- J17 M. Hermann and P. G. Kolaitis. [The complexity of counting problems in equational matching](#). *Journal of Symbolic Computation*, 20(3):343–362, 1995.  
DOI: [10.1006/jsco.1995.1054](#)



- J18 M. Hermann, C. Kirchner, and H. Kirchner. [Implementations of term rewriting systems](#). *Computer Journal*, 34(1):20–33, 1991.  
DOI: [10.1093/comjnl/34.1.20](#)  
Reviewed in *Computing Reviews*, February 1992; under the number 9202-0102.
- J19 M. Hermann. [Chain properties of rule closures](#). *Formal Aspects of Computing*, 2(3):207–225, 1990.  
DOI: [10.1007/BF01888225](#)

### Refereed Publications in Conference Proceedings

- C1 M. Behrisch, M. Hermann, S. Mengel, and G. Salzer. [The next whisky bar](#). In A. S. Kulikov and G. J. Woeginger, editors, *Proceedings 11th International Computer Science Symposium in Russia (CSR 2016)*, St. Petersburg (Russia), volume 9691 of *Lecture Notes in Computer Science*, pages 41–56. Springer-Verlag, June 2016.  
DOI: [10.1007/978-3-319-34171-2\\_4](#)
- C2 M. Behrisch, M. Hermann, S. Mengel, and G. Salzer. [As close as it gets](#). In M. Kaykobad and R. Petreschi, editors, *Proceedings 10th International Workshop on Algorithms and Computation (WALCOM 2016)*, Kathmandu (Nepal), volume 9627 of *Lecture Notes in Computer Science*, pages 222–235. Springer-Verlag, March 2016.  
DOI: [10.1007/978-3-319-30139-6\\_18](#)
- C3 M. Behrisch, M. Hermann, S. Mengel, and G. Salzer. [Give me another one!](#) In K. M. Elbassioni and K. Makino, editors, *Proceedings 26th International Symposium on Algorithms and Computation (ISAAC 2015)*, Nagoya (Japan), volume 9472 of *Lecture Notes in Computer Science*, pages 664–676. Springer-Verlag, December 2015.  
DOI: [10.1007/978-3-662-48971-0\\_56](#)
- C4 P. Hell, M. Hermann, and M. M. Nevisi. [Counting partitions of graphs](#). In K.-M. Chao, T.-s. Hsu, and D.-T. Lee, editors, *Proceedings 23rd International Symposium on Algorithms and Computation (ISAAC 2012)*, Taipei (Taiwan), volume 7676 of *Lecture Notes in Computer Science*, pages 227–236. Springer-Verlag, December 2012.  
DOI: [10.1007/978-3-642-35261-4\\_26](#)
- C5 M. Hermann and F. Richoux. [On the complexity of fuzzy boolean constraint satisfaction problems with applications to intelligent digital photography](#). *3rd IEEE Pacific-Asia Conference on Circuits, Communications, and Systems (PACCS 2011)*, Wuhan (China), July 2011.  
DOI: [10.1109/PACCS.2011.5990158](#)
- C6 A. Durand, M. Hermann, and G. Nordh. [Trichotomy in the complexity of minimal inference](#). In *Proceedings 24th Annual IEEE Symposium on Logic in Computer Science (LICS 2009)*, Los Angeles (California, USA), pages 387–396, August 2009.  
DOI: [10.1109/LICS.2009.14](#)
- C7 M. Bodirsky, M. Hermann, and F. Richoux. [Complexity of existential positive first-order logic](#). In K. Ambos-Spies, B. Löwe, and W. Merkle, editors, *Proceedings 5th Conference on Computability in Europe (CiE 2009)*, Heidelberg (Germany), volume 5635 of *Lecture Notes in Computer Science*, pages 31–36. Springer-Verlag, July 2009.  
DOI: [10.1007/978-3-642-03073-4\\_4](#)
- C8 M. Hermann and F. Richoux. [On the computational complexity of monotone constraint satisfaction problems](#). In S. Das and R. Uehara, editors, *Proceedings 3rd Annual Workshop on Algorithms*

and Computation (WALCOM 2009), Kolkata (India), volume 5431 of *Lecture Notes in Computer Science*, pages 286–297. Springer-Verlag, February 2009.  
DOI: [10.1007/978-3-642-00202-1\\_25](https://doi.org/10.1007/978-3-642-00202-1_25)

- C9 [M. Hermann](#) and R. Pichler. [Counting complexity of minimal cardinality and minimal weight abduction](#). In S. Hölldobler, C. Lutz and H. Wansing, editors, *Proceedings 11th European Conference on Logics in Artificial Intelligence (JELIA 2008)*, Dresden (Germany), volume 5293 of *Lecture Notes in Artificial Intelligence*, pages 206–218. Springer-Verlag, 2008.  
DOI: [10.1007/978-3-540-87803-2\\_18](https://doi.org/10.1007/978-3-540-87803-2_18)
- C10 [M. Hermann](#) and R. Pichler. [Complexity of counting the optimal solutions](#). In X. Hu and J. Wang, editors, *Proceedings 14th International Conference on Computing and Combinatorics (COCOON 2008)*, Dalian (China), volume 5092 of *Lecture Notes in Computer Science*, pages 149–159. Springer-Verlag, June 2008.  
DOI: [10.1007/978-3-540-69733-6\\_16](https://doi.org/10.1007/978-3-540-69733-6_16)
- C11 [M. Hermann](#) and F. Richoux. [Sur la complexité algorithmique des problèmes de satisfaction de contraintes disjonctifs](#). In *Actes 4<sup>e</sup> Journées Francophones de Programmation par Contraintes (JFPC 2008)*, Nantes (France), pages 209–218, June 2008.
- C12 V. Chepoi, N. Creignou, [M. Hermann](#), and G. Salzer. [Deciding the satisfiability of propositional formulas in finitely-valued signed logics](#). In G. W. Dueck, editor, *Proceedings 38th IEEE International Symposium on Multiple-Valued Logic (ISMVL 2008)*, Dallas (Texas, USA), pages 100–105, May 2008.  
DOI: [10.1109/ISMVL.2008.41](https://doi.org/10.1109/ISMVL.2008.41)
- C13 [M. Hermann](#) and B. Sertkaya. [On the complexity of computing generators of closed sets](#). In R. Medina and S. Obiedkov, editors, *Proceedings 6th International Conference on Formal Concept Analysis (ICFCA 2008)*, Montreal (Canada), volume 4933 of *Lecture Notes in Computer Science*, pages 158–168. Springer-Verlag, February 2008.  
DOI: [10.1007/978-3-540-78137-0\\_12](https://doi.org/10.1007/978-3-540-78137-0_12)
- C14 P. Chapdelaine, [M. Hermann](#), and I. Schnoor. [Complexity of default logic on generalized conjunctive queries](#). In Ch. Baral, G. Brewka, and J. Schlipf, editors, *Proceedings 9th International Conference on Logic Programming and Nonmonotonic Reasoning (LPNMR 2007)*, Tempe (Arizona, USA), volume 4483 of *Lecture Notes in Artificial Intelligence*, pages 58–70. Springer-Verlag, May 2007.  
DOI: [10.1007/978-3-540-72200-7\\_7](https://doi.org/10.1007/978-3-540-72200-7_7)
- C15 [M. Hermann](#) and R. Pichler. [Counting complexity of propositional abduction](#). In M. M. Veloso, editor, *Proceedings 20th International Joint Conference on Artificial Intelligence (IJCAI 2007)*, Hyderabad (India), pages 417–422. AAAI Press, January 2007.
- C16 A. Gil, [M. Hermann](#), G. Salzer, and B. Zanuttini. [Efficient algorithms for constraint description problems over finite totally ordered domains](#). In D. Basin and M. Rusinowitch, editors, *Proceedings 2nd International Joint Conference on Automated Reasoning (IJCAR’04)*. Cork (Ireland), volume 3097 of *Lecture Notes in Computer Science*, pages 244–258. Springer-Verlag, July 2004.  
DOI: [10.1007/b98691](https://doi.org/10.1007/b98691)
- C17 M. Bauland, P. Chapdelaine, N. Creignou, [M. Hermann](#), and H. Vollmer. [An algebraic approach to the complexity of generalized conjunctive queries](#). In H. H. Hoos and D. G. Mitchell, editors, *Proceedings 7th International Conference on Theory and Applications of Satisfiability Testing (SAT*

- 2004), Vancouver (British Columbia, Canada), volume 3542 of *Lecture Notes in Computer Science*, pages 30–45. Springer-Verlag, May 2004. Refereed selected papers.  
DOI: [10.1007/11527695\\_3](https://doi.org/10.1007/11527695_3)
- C18 A. Durand and M. Hermann. [The inference problem for propositional circumscription of affine formulas is coNP-complete](#). In H. Alt and M. Habib, editors, *Proceedings 20th International Symposium on Theoretical Aspects of Computer Science (STACS 2003)*, Berlin (Germany), volume 2607 of *Lecture Notes in Computer Science*, pages 451–462. Springer-Verlag, February 2003.  
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