

Curriculum vitæ

Jean-Charles Régin

Université Nice-Sophia Antipolis (UNS), I3S, CNRS
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Educational Background

- **Habilitation à Diriger des Recherches (HDR)** : "*Modeling and Global Constraints in Constraint Programming*". Univ. Nice, Nov. 2004.
- **Doctorat Informatique (PhD Thesis in Computer Science)** : "*Development of algorithmic tools for Artificial Intelligence and their application to organic chemistry*". Univ. Montpellier II, December 1995.
- **D.E.A. Informatique (Master in Computer Science)** : "*Machine learning of strategical bonds of organic molecules*", Univ. Montpellier II, 1990.

Employment History

- From Oct. 08 : **Professor, Univ. Nice-Sophia Antipolis.**
- March 01 - Dec 04 and Aug 05-Sept 08: **Director R&D Constraint Programming at ILOG.** In charge of the products: ILOG Solver, ILOG JSolver, ILOG Concert, and ILOG JConcert (Optimization Engines) Management of a team of 7 persons whom 4 have a PhD. ILOG representative of 2 national projects, 2 international projects for a total of grants of € 750,000
- Jan 05 - Jul 05: **Visitor Scientist, Cornell University.**
- Jul 98 - Feb 01: Project Manager of ILOG Solver at ILOG.
- Jan 96 - Jun 98: Development Engineer ILOG Solver at ILOG.

Scientific Activities

Contributions

- I published 3 book chapters, 12 papers in international journal, 40 articles in highly referred international conferences (*A** or *A* conferences), 16 in referred international conferences (*B* conferences).
- I have been invited to give 40 talks in international conferences, workshops or seminars in famous Universities (Cornell, Montreal, Georgia Tech,...),

companies (Microsoft, IBM, Oracle, Simula, Huawei,...) or famous institutions (GDR IA and CNRS).

- I received the most prestigious award of my community: the Association for Constraint Programming Research Excellence Award.

- I am the author of one of the most cited papers of my domain (more than 900 references on Google Scholar), which received the AAAI 2013 Classic Paper Award.

- I have been invited to give a plenary session talk at CP'11, the major international conference of my domain.

- Hirsch-index equals to 35

- More than 5400 citations on Google Scholar

Editorial Activities

- Member of the steering committee of the Conference CP-AI-OR.

- Member of the editorial board of Constraints Journal from 2005 to 2012 and from 2015.

- Elected member of the executive committee of the Association for Constraint Programming in 2006.

- Chairman and co-organizer of the international conference CP-AI-OR'04.

- Main organizer of the Joint ACP and GdR RO Summer School 2017

- Main organizer of 2 international workshops on Non Binary Constraints (IJCAI-99 and ECAI-98) and 1 on "Cloud computing and optimization" (CP-14)

- Member of the program committee of the international conferences: AAAI (18,17,16,15,14,13,11,10,08,06,05) , AAAI Nectar (11,10), IJCAI (15,13,09,01,97), CP (senior (15,14,12),17,13,06,05,03,01), ECAI (12,08,04,98), CPAIOR (each year from 04).

- Reviewer of research projects for National Science Center, Poland (2017), Atlanstic (French research federation) (2016), the NSERC of Canada (Natural Sciences and Engineering Research Council) (2015), the Royal Society of Scotland (2013), the Swedish Research Council (2012), the French Research Funding Agency (2012), Microsoft Research (2010,2009).

Research Award

- Microsoft Azure for Research Award (Jan. 2014)

- ACP Research Excellence Award (Sept. 2013)

- AAAI Classic Paper Award (Jul. 2013)

- Medal of the University Nice Sophia Antipolis (2014 and 2013)

- Holder of the PES (Prime d'excellence scientifique) (Sept. 2012)

- Google Math Optimization Award (€50,000 - Jan 2012)

- Google Research Award (\$50,000 - Aug 2010)

- First prize in innovative research, ADER LR (50,000FF - June 1993)

Paper Award

- Distinguished Student Paper Award, CP'17, 23rd International Conference on Principles and Practice of Constraint Programming (Aug 2017)

Research Management

- Team: from 2014 in charge of the "Constraints and Applications" team at I3S. Creator of the team.
- Team: from 2010 to 2014 in charge of the "Constraints and Proof" (CeP) team at I3S. This team involved 3 Pr, 3 Assistant Pr., 2 Research Engineers and several postdoctoral and PhD students. The team managed the ANR projects TESTEC, VACSIM, AEOLUS and the OSEO project PAJERO.
- Director of the Masters of Computer Science since Sept 2014.
- Education: in charge of the Master 1 in Computer Science since 2012 and of the Master 2 in Computer Science in 2013 and 2012
- Member of the "Conseil de Laboratoire", I3S since 2011.
- Young researchers:
 - Co-supervisor of 3 PhD Thesis
 - Supervisor of 4 PhD Thesis (2 active)
 - Supervisor of 7 Master thesis.
 - Reviewer of 11 PhD Thesis (2 in Belgium and 1 in Luxembourg), 3 HDRs; member of the committees of 18 PhDs and 5 HDRs.
- Senior researchers: the research team I managed at ILOG published 8 papers in international journals, 24 articles in highly referred international conferences.

Project Management

- Jan 17 – Dec 20 : MultiMod, ANR, € 150,000.
- Mar 11 – Dec 15 : Pajero, OSEO, € 530,000.
- Dec 10 – Dec 14: AEOLUS, ANR, € 210,000.
- Feb 03 – Dec 04: FADO project: French Ministry of Industry, € 240,000.
- Jun 03 – Jun 04: ORINCP , US Air Force, \$25,000.
- Jun 99 – Sep 02: ECSPLAIN, European Community, € 320,000.
- Mar 99 – May 01: ROCOCO, French Telecom Ministry, € 150,000.

Scientific Visits

- Sony Computer Science Lab, Paris, Jan 17, 1 week
- Sony Computer Science Lab, Paris, Sept 16, 1 week
- Sony Computer Science Lab, Paris, May 16, 1 week
- Sony Computer Science Lab, Paris, Jan 16, 1 week
- Univ. Louvain-La-Neuve, Belgique, Sept 15, 1 week
- Sony Computer Science Lab, Paris, June 15, 1 week
- Sony Computer Science Lab, Paris, Dec 14, 1 week

- Sony Computer Science Lab, Paris, Oct 14, 1 week
- Univ. Montreal, Canada, Aug 14, 3 weeks
- Univ. Montreal, Canada, Aug 13, 1 month
- Univ. Montreal, Canada, July 12, 1 month
- Google Inc. Mountain View, USA, Jul 11, 3 weeks
- Ecole des Mines de Nantes, Jul 10, 1 week
- Microsoft Research, Cambridge, UK, Dec 09, 1 week
- Ecole des Mines de Nantes, Feb 09, 1 week
- Brown University, USA, Dec. 08, 1 week
- Univ. Nebraska-Lincoln, USA, April 2008, 1 week
- Cornell University, USA, Jan–July 05, 7 months.
- Cornell University, USA, April 04, 1 week.
- Cornell University, USA, Sept 02, 2 weeks.
- Brown University, USA, April 98, 1 week.

Publications

Invited Talks

1. J-C. Régim: "Text and Music Generation", **Summit AI**, International Summit on Artificial Intelligence in Sophia Antipolis, France, Nov 2018.
2. J-C. Régim: "Constraint Programming and SAT", **GDR IA-CNRS-Orange**, Lannion, France, April 2017.
3. J-C. Régim: "Constraint Programming and SAT", **GDR IA-CNRS-Michelin**, Paris, France, Nov 2017.
4. J-C. Régim: "Parallelism in Constraint Programming", **Huawei**, Paris, France, Dec 2016.
5. J-C. Régim: "Parallelism for Constraint Programming", **ACP Summer School 2016**, Cork, Ireland, June 2016.
6. J-C. Régim: "Embarrassingly Parallel Search", Séminaire CRIL, **Université Lens**, Dec 2015.
7. J-C. Régim: "Embarrassingly Parallel Search", UCL/INGI Seminar, **Université Louvain-La-Neuve**, Belgique, Sept 2015.
8. J-C. Régim: "Using Cloud Computing for solving CP Problems", **JDA Software**, Montreal, Canada, Aug 2014.
9. J-C. Régim: "Solving Complex Combinatorial Industry Problem Successfully", **Oracle**, Burlington, USA, July 2014.
10. J-C. Régim: "Bin packing: knapsack, transportation or assignment?", Fifth International Workshop on Bin Packing and Placement Constraints, CPAIOR 2014, Cork, Ireland, May 2014.
11. J-C. Régim: "General Principles of Constraint Programming", **Simula**, Oslo, Norway, Jan 2014
12. J-C. Régim: "Embarrassingly Parallel Search", Faculty of engineering, **University of Bologna**, Italy, Nov 2013

13. J-C. Régin: "Simple solutions for complex problems", **ACP award for Research Excellence in constraint programming talk**, Uppsala, Sweden, Sept 2013
14. J-C. Régin: "A filtering algorithm for constraints of difference in CSPs", **AAAI Classic paper talk**, Bellevue, Washington, USA, July 2013
15. J-C. Régin: "Embarrassingly Parallel Search", Séminaire, Cirrelt, **Université de Montréal**, Canada, August 2013
16. J-C. Régin: "Modelling in CP", Séminaire TAO, **LRI Orsay**, France, March 2013
17. J-C. Régin: "Embedding OR into CP", Computer Science Seminar, **University of El Paso**, USA, October 2012
18. J-C. Régin: "Gérer la violation de contraintes en PPC", Séminaire CRIL, **Université de Lens**, France, Sept. 2012
19. J-C. Régin: "Global Constraints : embedding OR into CP", Séminaire, Cirrelt, **Université de Montréal**, Canada, July 2012
20. J-C. Régin: "Solving Problems with CP: Four Common Pitfalls to Avoid.", **CP'11, 17th International Conference on Principles and Practice of Constraint Programming**, Padova, Italy, 2011
21. J-C. Régin: "Comment empêcher les arbres de monter au ciel", **JFPC'2011**, Lyon, 2011
22. J-C. Régin: "Global Constraints : recent advances", **6th International Summer School on Constraint Programming**, Aussois, France, May 2010.
23. J-C. Régin: "On Global Constraints", invited tutorial, **LION3, 3rd International Learning and Intelligent OptimizatioN Conference** , Trento, Italy, 2009
24. J-C. Régin: "General Principles of Constraint Programming", **Microsoft Research**, Cambridge, UK, Déc 2009.
25. J-C. Régin: "General Principles of Constraint Programming", CSE Colloquium Distinguished Speaker, **Univ. Nebraska-Lincoln**, Lincoln, USA, April 2008.
26. J-C. Régin: "Current Challenges in Constraint Programming", Département d'Ingénierie Informatique, **Univ. Louvain-la-Neuve**, Belgium, Nov. 2007
27. J-C. Régin: "General Principles of Constraint Programming", Post-Graduate School of Engineering of the **Federal University of Rio de Janeiro**, Brazil, Aug 2007
28. J-C. Régin, "How to prevent tall trees from growing to the sky", **CSCLP 2007: Annual ERCIM Workshop on Constraint Solving and Constraint Logic Programming**, Rocquencourt, France, 2007.
29. J-C. Régin, "Alldifferent and Cardinality Constraints", **2nd International Summer School on Constraint Programming**, Samos, Greece, July 2006.
30. J-C. Régin, "Global Constraints", invited tutorial, **1st International Summer School on Constraint Programming**, Aquafredda di Maratea, Italy, Sept 2005.
31. J-C. Régin: "Modelling Problems in Constraint Programming", **Cork Constraint Computation Center**, Cork, Ireland, Aug 2005

32. J-C. Régin: "Modelling Problems in Constraint Programming", **IBM Watson Research Center**, New-York, USA, Jul 2005
33. J-C. Régin: "Using Constraint Programming to Solve the Maximum Clique Problem", Computer Science Seminar, **Brown University**, Providence, USA, May 2005
34. J-C. Régin: "General Principles of Constraint Programming", IISI Seminar, **Cornell University**, Ithaca, USA, Feb 2005
35. J-C. Régin, "Implementation of Arc Consistency Algorithms in a Solver", **Constraint Propagation and Implementation workshop**, CP'04, Toronto, Canada, Sept 2004.
36. J-C. Régin, "Graph Theory and Constraint Programming", invited tutorial, **Master Class, CP-AI-OR'04**, Nice, France, Avril 2004.
37. J-C. Régin: "Introduction à la Programmation par Contraintes", Séminaire RO, **Université de Montreal**, Montréal, Canada, May 2003
38. N. Beldiceanu and J-C. Régin, "Global Constraints", invited tutorial, **CP'02**, Ithaca, USA, Sept 2002.
39. J-C. Régin, "Implementation of Soft Constraints", **TRICS workshop**, CP'02, Ithaca, USA, Sept 2002.
40. J-C. Régin, "Global Constraints", **CP-AI-OR'02**, Le Croisic, France, May 2002.
41. J-C. Régin: "Principles of Constraint Programming", **Oracle**, Boston, USA, Jan 2001.
42. J-C. Régin and B. Smith, "Modelling and Algorithmic Techniques in Constraint Programming", invited tutorial, **Dagstuhl seminar on Constraint programming and Integer programming**, 16–21 Jan 2000.
43. J-C. Régin: "Principles of Constraint Programming", private workshop organized by G. Nemhauser, **Georgia Tech University**, Atlanta, USA, May 1999.

Book Chapter

1. J-C. Régin and A. Malapert: "Parallel Constraint Programming" in "Handbook of Parallel Constraint Reasoning", Springer, Y Hamadi and L. Sais editors, pp 337–379, 2018
2. J-C. Régin: "Global Constraints: a survey" in "Hybrid Optimization", Springer, M. Milano and P. Van Hentenryck editors, p.63–134, 2011.
3. J-C Régin: "Global Constraints and Filtering Algorithms", in "Constraints and Integer Programming Combined", Kluwer, M. Milano editor, 2003.

Proceedings Editor

1. J-C. Régin and M. Rueher (Eds.) "Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems", First International Conference, CPAIOR 2004, Nice, France, April 20-22, 2004, Proceedings Series : Lecture Notes in Computer Science , Vol. 3011.

Journals

1. G. Derval, J-C. Régim and P. Schaus: "Improved filtering for the bin-packing with cardinality constraint", **Constraints** 23(3), pp 251-271, 2018.
2. A. Malapert, J-C. Régim and M. Rezgui: "Embarrassingly Parallel Search in Constraint Programming", *Journal of Artificial Intelligence Research*, **JAIR**, Volume 57, pages 421-464, 2016
3. T. Menouer, M. Rezgui, B. Le Cun and J-C Régim: "Mixing Static and Dynamic Partitioning to Parallelize a Constraint Programming Solver". **International Journal of Parallel Programming**, 44(3): 486-505, 2016
4. P. Schaus and J-C. Régim: "Bound-consistent spread constraint", **EURO Journal on Computational Optimization**, 2 (3), pp 123-146, Springer, 2014.
5. P. Benchimol, W-J van Hoeve, J-C. Régim, L-M. Rousseau and M. Rueher: "Improved Filtering for Weighted Circuit Constraints", **Constraints**, 17 (3), pp 205-233, 2012
6. T. Petit, J-C. Régim: "The Ordered Distribute Constraint", **International Journal on Artificial Intelligence Tools**, 20(4): 617-637, 2011
7. P. Schaus, Y. Deville, P. Dupont and J-C. Régim: "Simplification and extension of the SPREAD Constraint", **Future and Trends of Constraint Programming**, p.95-99, 2007
8. J-C. Régim, M. Rueher: "Inequality-sum : a global constraint capturing the objective function", **RAIRO Operations Research**, 39, pp 123-139, 2005.
9. C. Bessière, J-C. Régim, R.H.C. Yap, Y. Zhang: "An Optimal Coarse-grained Arc Consistency Algorithm", **Artificial Intelligence**, vol 165 (2), pp 165-185, 2005.
10. J-C Régim: "Cost based Arc Consistency for Global Cardinality Constraints", **Constraints**, an International Journal, pp 387-405, Vol 7, Issue 3-4, 2002.
11. J-C. Régim: "Minimization of the number of breaks in sports scheduling problems using constraint programming", **DIMACS Series in Discrete Mathematics and Theoretical Computer Science**, Volume 57, pp 115-130, 2001.
12. C. Bessière, E.C Freuder and J-C. Régim: "Using Constraint Metaknowledge to Reduce Arc Consistency Computation", **Artificial Intelligence**, vol.107 (1), pp 125-148, 1999.

Highly Refereed International Conference Papers: A* and A conferences

1. G. Perez and J-C. Régim: "Parallel Algorithms for Operations on Multi-Valued Decision Diagrams", **AAAI-18, Thirty-Second AAAI Conference on Artificial Intelligence**, New Orleans, USA, 2018.
2. G. Perez and J-C. Régim: "MDDs: Sampling and Probability Constraints", **CP'17, 23rd International Conference on Principles and Practice of Constraint Programming**, pp 226-242, Melbourne, Australia, 2017
3. G. Derval, J-C. Régim and P. Schaus: "Improved Filtering for the Bin-Packing with Cardinality Constraint", **CP'17, 23rd International Conference on Principles and Practice of Constraint Programming**, Melbourne, Australia, 2017

4. G. Perez and J-C. Régin: "Soft and Cost MDD propagators", **AAAI-17, Thirty-First AAAI Conference on Artificial Intelligence**, pp 3922-3928, San Francisco, USA, 2017.
5. J. Demeulenaere, R. Hartert, C. Lecoutre, G. Perez, L. Perron, J-C. Régin and P. Schaus: "Compact-Table: Efficiently Filtering Table Constraints with Reversible Sparse Bit-Sets", **CP'16, 22nd International Conference on Principles and Practice of Constraint Programming**, pp 207-223, Toulouse, France, 2016
6. A. Palmieri, J-C. Régin and P. Schaus: "Parallel Strategies Selection", **CP'16, 22nd International Conference on Principles and Practice of Constraint Programming**, pp 388-404, Toulouse, France, 2016
7. P. Roy, G. Perez, J-C. Régin, A. Papadopoulos, F. Pachtet and M. Marchini: "Enforcing Structure on Temporal Sequences: The Allen Constraint", **CP'16, 22nd International Conference on Principles and Practice of Constraint Programming**, pp 786-801, Toulouse, France, 2016
8. G. Perez and J-C. Régin: "Efficient Operations on MDDs for building Constraint Programming Models", **IJCAI'15, 24th International Joint Conference on Artificial Intelligence**, pp 374-380, Buenos Aires, Argentina 2015
9. A. Papadopoulos, P. Roy, J-C. Régin and F. Pachtet: "Generating all Possible Palindromes from N-gram Corpora", **IJCAI'15, 24th International Joint Conference on Artificial Intelligence**, pp 2489-2495, Buenos Aires, Argentina 2015
10. G. Perez and J-C. Régin: "Improving GAC-4 for Table and MDD Constraints". **CP'14, 20th International Conference on Principles and Practice of Constraint Programming**, pp 606-621, Lyon, France 2014.
11. J-C. Régin, M. Rezgui and A. Malapert: "Improvement of the Embarrassingly Parallel Search for Data Centers". **CP'14, 20th International Conference on Principles and Practice of Constraint Programming**, pp 622-635, Lyon, France 2014.
12. F. Pelsser, P. Schaus and J-C. Régin: "Revisiting the Cardinality Reasoning for BinPacking Constraint". **CP'13, 19th International Conference on Principles and Practice of Constraint Programming**, pp 578-586, Uppsala, Sweden, 2013
13. J-C. Régin, M. Rezgui and A. Malapert: "Embarrassingly Parallel Search". **CP'13, 19th International Conference on Principles and Practice of Constraint Programming**, pp 596-610, Uppsala, Sweden, 2013
14. N. Beldiceanu, M. Carlsson, T. Petit and J-C. Régin: "An $O(n \log n)$ Bound Consistency Algorithm for the Conjunction of an alldifferent and an Inequality between a Sum of Variables and a Constant, and its Generalization". **ECAI 2012, 20th European Conference on Artificial Intelligence**, pp 145-150, Montpellier, France, 2012
15. P. Schaus, J-C. Régin, R. Van Schaeren, W. Dullaert and B. Raa: "Cardinality Reasoning for Bin-Packing Constraint: Application to a Tank Allocation Problem". **CP'12, 18th International Conference on Principles and Practice of Constraint Programming**, pp 815-822, Québec, Canada, 2012

16. J-C. Régin: "Solving Problems with CP: Four Common Pitfalls to Avoid", **CP'11, 17th International Conference on Principles and Practice of Constraint Programming**, pp. 3-11, Perugia, Italy, 2011
17. T. Petit, J-C. Régin, and N. Beldiceanu: "An $O(n)$ Bound-Consistency Algorithm for the Increasing Sum Constraint", **CP'11, 17th International Conference on Principles and Practice of Constraint Programming**, pp. 721-728, Perugia, Italy, 2011
18. J-C. Régin: "Maintaining arc consistency algorithms during the search without additional space cost", **CP'05, 11th International Conference on Principles and Practice of Constraint Programming**, Sitges, Spain, 2005.
19. J-C. Régin: "AC-*: A Configurable, Generic and Adaptive Arc Consistency Algorithm", **CP'05, 11th International Conference on Principles and Practice of Constraint Programming**, Sitges, Spain, 2005.
20. G. Pesant and J-C. Régin: "SPREAD: A Balancing Constraint Based on Statistics", **CP'05, 11th International Conference on Principles and Practice of Constraint Programming**, Sitges, Spain, 2005.
21. O. Lhomme and J-C. Régin: "A Fast Arc Consistency Algorithm for n-ary Constraints", **AAAI-05, 20th Conference on Artificial Intelligence**, Pittsburgh, USA, 2005.
22. J-C. Régin and C. Gomes: "Cardinality Matrix Constraint", **CP'04, 10th International Conference on Principles and Practice of Constraint Programming**, Toronto, Canada, pp 572-587, 2004.
23. J-C. Régin: "Using Constraint Programming to solve the Maximum Clique Problem", **CP'03, 9th International Conference on Principles and Practice of Constraint Programming**, Kinsale, Ireland, pp 634-648, 2003.
24. T. Petit, J-C. Régin, and C. Bessière: "Range-based Algorithm for Max-CSP", **CP'02, 8th International Conference on Principles and Practice of Constraint Programming**, Ithaca, NY, USA, pp 280-294, 2002.
25. C. Le Pape, L. Perron, J-C. Régin, and P. Shaw: "Robust and Parallel Solving of a Network Design Problem", **CP'02, 8th International Conference on Principles and Practice of Constraint Programming**, Ithaca, NY, USA, pp 633-648, 2002.
26. J-C. Régin, T. Petit, C. Bessière, and J-F. Puget: "New Lower Bounds of Constraint Violations for Over-Constrained Problems", **CP'01, 7th International Conference on Principles and Practice of Constraint Programming**, pp 332-345, 2001.
27. T. Petit, J-C. Régin, and C. Bessière, "Specific Filtering Algorithms for Over-Constrained Problems", **CP'01, 7th International Conference on Principles and Practice of Constraint Programming**, Chyprus, pp 451-463, 2001.
28. C. Bessière and J-C. Régin, "Refining the Basic Constraint Propagation Algorithm", **IJCAI-01, 17th International Joint Conference on Artificial Intelligence**, Seattle, WA, USA, pp 309-315, 2001.
29. J-C Régin and M. Rueher, "A global constraint combining a sum constraint and binary inequalities", **CP'00, 6th International Conference on Principles and Practice of Constraint Programming**, Singapore, pp 384-395, 2000.

30. J-C Régin, T. Petit, C. Bessière, and J-F Puget: "An Original Constraint Based Approach for Solving Over Constrained Problems", **CP'00, 6th International Conference on Principles and Practice of Constraint Programming**, pp 543–548, 2000.
31. J-C Régin: "Arc Consistency for Global Cardinality Constraints with costs", **CP'99, 5th International Conference on Principles and Practice of Constraint Programming**, Alexandria, VA, USA, pp 390–404, 1999.
32. C. Bessière and J-C Régin: "Enforcing arc consistency on global constraints by solving subproblems on the fly", **CP'99, 5th International Conference on Principles and Practice of Constraint Programming**, Alexandria, VA, USA, pp 103–117, 1999.
33. J-C Régin: "The Symmetric Alldiff Constraint", **IJCAI-99, 16th International Joint Conference on Artificial Intelligence**, Stockholm, Sweden, pp 420–425, 1999.
34. J-C. Régin and J-F. Puget: "A filtering algorithm for global sequencing constraints", **CP'97, 3rd International Conference on Principles and Practice of Constraint Programming**, Austria, pp 32–46, 1997.
35. C. Bessière and J-C. Régin: "Arc consistency for general constraint networks: preliminary results", **IJCAI-97, 15th International Joint Conference on Artificial Intelligence**, Nagoya, Japan, pp 398–404, 1997.
36. C. Bessière and J-C. Régin: "MAC and Combined Heuristics: Two Reasons to Forsake FC (and CBJ?) on Hard Problems", **CP'96, 2nd International Conference on Principles and Practice of Constraint Programming**, pp 61–75, 1996.
37. J-C. Régin: "Generalized Arc Consistency for Global Cardinality Constraint", **AAAI-96, 13th Conference on Artificial Intelligence**, Portland, OR, USA, pp 209–215, 1996.
38. T. Schiex, J-C. Régin, C. Gaspin and G. Verfaillie: "Lazy Arc Consistency", **AAAI-96, 13th Conference on Artificial Intelligence**, Portland, OR, USA, pp 216–221, 1996.
39. C. Bessière, E.C Freuder and J-C. Régin: "Using Inference to Reduce Arc Consistency Computation", **IJCAI-95, 14th International Joint Conference on Artificial Intelligence**, Montréal, Canada, pp 592–598, 1995.
40. J-C. Régin: "A filtering algorithm for constraints of difference in CSPs", **AAAI-94, 12th Conference on Artificial Intelligence**, Seattle, USA, pp 362–367, 1994.

Refereed International Conferences: B Conferences

1. G. Perez and J-C. Régin: "MDDs are Efficient Modeling Tools: An Application to some Statistical Constraints", **CP-AI-OR'17, 14th International Conference on Integration of Artificial Intelligence (AI) and Operations Research (OR) techniques in Constraint Programming (CP)**, Padova, Italy, 2017
2. G. Perez and J-C. Régin: "Constructions and In-Place Operations for MDDs Based Constraints", **CP-AI-OR'16, 13th International Conference on Integration of Artificial Intelligence (AI) and Operations Research (OR)**

- techniques in **Constraint Programming (CP)**, pp 279-293, Banff, Canada, 2016
3. A. Malapert, J-C. Régin and J. Parpaillon: "The Package Server Location Problem", **ICORES 2013, 2nd International Conference on Operations Research and Enterprise Systems**, pp 193-204, Barcelona, Spain, 2013
 4. J-C. Régin: "Using Hard Constraints for Representing Soft Constraints", **CP-AI-OR'11, 8th International Conference on Integration of Artificial Intelligence (AI) and Operations Research (OR) techniques in Constraint Programming (CP)**, pp. 176-189, Berlin, Germany, 2011
 5. J-C. Régin, and T. Petit: "The Objective Sum Constraint", **CP-AI-OR'11, 8th International Conference on Integration of Artificial Intelligence (AI) and Operations Research (OR) techniques in Constraint Programming (CP)**, pp. 190-195, 2011
 6. T. Petit and J-C Régin : "The Ordered Distribute Constraint", **ICTAI-2010, 22th International Conference on Tools with Artificial Intelligence**, Arras, France, pp 431-438, 2010.
 7. P. Benchimol, J-C. Régin, L-M. Rousseau, M. Rueher and W-J. van Hoeve: "Improving the Held and Karp Bound with Constraint Programming", **CP-AI-OR'10, 7th International Conference on Integration of Artificial Intelligence (AI) and Operations Research (OR) techniques in Constraint Programming (CP)** , Bologna, Italie, pp. 40-44, 2010
 8. J-C. Régin, L-M. Rousseau, M. Rueher and W-J. van Hoeve: "The Weighted Spanning Tree Constraint Revisited", **CP-AI-OR'10, 7th International Conference on Integration of Artificial Intelligence (AI) and Operations Research (OR) techniques in Constraint Programming (CP)**, Bologna, Italie, pp. 287-291, 2010
 9. P. Schaus, P. Van Hentenryck, and J-C. Régin: "Scalable Load Balancing in Nurse to Patient Assignment Problems", **CP-AI-OR'09, 6th International Conference on Integration of Artificial Intelligence (AI) and Operations Research (OR) techniques in Constraint Programming (CP)**, Pittsburg, USA, pp. 248-262, 2009.
 10. P. Van Hentenryck, L. Michel, L. Perron, and J-C Régin, "Constraint Programming in OPL", **PPDP'99, International Conference on Principles and Practice of Declarative Programming**, Paris, France, invited paper, pp 98-116, 1999.
 11. J-C. Régin: "Simpler and incremental consistency checking and arc consistency filtering algorithms for the weighted spanning tree constraint", **CP-AI-OR'08, 5th International Conference on Integration of Artificial Intelligence (AI) and Operations Research (OR) techniques in Constraint Programming (CP)**, Paris, France, pp. 233-247 .
 12. P. Schaus, Y. Deville, P. Dupont and J-C. Régin: "The Deviation Constraint", **CP-AI-OR'07, 4th International Conference on Integration of Artificial Intelligence (AI) and Operations Research (OR) techniques in Constraint Programming (CP)**, Brussels, Belgium, pp. 260-274, 2007.
 13. W-J. van Hoeve and J-C. Régin: "Open Constraints in a Closed World", **CP-AI-OR'06, 3rd International Conference on Integration of Artificial**

Intelligence (AI) and Operations Research (OR) techniques in Constraint Programming (CP), Cork, Ireland, pp. 244-257, 2006.

14. J-C. Régin: "Combination of Among and Cardinality Constraints", **CP-AI-OR'05, 2nd International Conference on Integration of Artificial Intelligence (AI) and Operations Research (OR) techniques in Constraint Programming (CP)**, Prague, Czech Republic, 2005.
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