

# Curriculum vitæ

## Jean-Charles Régin

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## Educational Background

- **Habilitation à Diriger des Recherches (HDR)** : "*Modelization 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 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 1998 - Jul 00: Project Manager of ILOG Solver at ILOG.
- Jan 1996 - Jun 98: Development Engineer ILOG Solver at ILOG.

## Scientific Activities

### Publications

- I published 2 book chapters, 8 papers in international journal, 35 articles in highly referred international conferences (30% of acceptance rate).
- I have been invited to give 22 talks in international conferences, workshops or seminars in famous Universities (Cornell, Montreal, Georgia Tech,...)
- Hirsch-index equals to 27
- I am the author of one of the most cited papers of my domain (more than 650 references on Google Scholar).

## Editorial Activities

- Member of the steering committee of the Conference CP-AI-OR.
- Member of the editorial board of Constraints Journal during 8 years
- Elected member of the executive committee of the Association for Constraint Programming in 2006.
- Chairman and organizer (with Michel Rueher) of the international conference CP-AI-OR'04.
- Main organizer of 2 international workshops on Non Binary Constraints (IJCAI-99 and ECAI-98).
- Member of the program committee of the international conferences: AAAI-11, AAAI-11 Nectar, AAAI-10, AAAI-10 Nectar, IJCAI-09, AAAI-08 (senior member), ECAI-08, AAAI-06, AAAI-05, ECAI-04, IJCAI-01, ECAI-98, IJCAI-97, CP-AI-OR (since 04), CP-12 (senior member), CP (06,05,03,01)...
- Reviewer for Microsoft Research of PhD funding (10,09).

## Research Award

- I received a Google Research Award (\$50,000) in Aug 2010.
- The RESYN system, of which I am a co-author, was awarded in 1993 the first prize (50 000 FF) in innovative research granted by the ADER Languedoc Roussillon (association for the development of education and research).

## Research Management

- Team: I am in charge of the "Constraints and Proof" (CeP) team at I3S. This team involve 3 Pr, 3 Assistant Pr., 2 Research Engineers and several post-doctoral and PhD students. The team manages the ANR projects TESTEC, AEOLUS and the OSEO project PAJERO.
- Young researchers:
  - Co-supervisor of 3 PhD Thesis (one active)
  - Supervisor of 1 PhD Thesis (active)
  - Supervisor of 5 Master thesis.
  - Reviewer of 3 PhD Thesis, 1 HDR; member of the committees of 8 PhD.
- Senior researchers:
  - The research team I managed at ILOG published 8 papers in international journals, 24 articles in highly referred international conferences.

## Project Management

- from Mar 11 : Pajero, OSEO, € 530,000
- from Dec 10 : 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

- Ecole des Mines de Nantes, Juil. 10, 1 week
- Microsoft Research, Cambridge, Dec 09, 1 week
- Ecole des Mines de Nantes, Fèv 09, 1 week
- Brown University, Dec. 08, 1 week
- Univ. Nebraska-Lincoln, April 2008, 1 week
- Cornell University, Jan–July 05, 7 months.
- Cornell University, April 04, 1 week.
- Cornell University, Sept 02, 2 weeks.
- Brown University, April 98, 1 week.

## Publications

### Invited Talks

1. J-C. Régim: "Solving Problems with CP: Four Common Pitfalls to Avoid.", **CP'11, 17th International Conference on Principles and Practice of Constraint Programming**, Padova, Italy, 2011
2. J-C. Régim: "Comment empêcher les arbres de monter au ciel", **JFPC'2011**, Lyon, 2011
3. J-C. Régim: "Global Constraints : recent advances", **6th International Summer School on Constraint Programming**, Aussois, France, May 2010.
4. J-C. Régim: "On Global Constraints", invited tutorial, **LION3, 3rd International Learning and Intelligent Optimization Conference**, Trento, Italy, 2009
5. J-C. Régim: "General Principles of Constraint Programming", **Microsoft Research**, Cambridge, UK, Déc 2009.
6. J-C. Régim: "General Principles of Constraint Programming", CSE Colloquium Distinguished Speaker, **Univ. Nebraska-Lincoln**, Lincoln, USA, April 2008.
7. J-C. Régim: "Current Challenges in Constraint Programming", Département d'Ingénierie Informatique, **Univ. Louvain-la-Neuve**, Belgium, Nov. 2007
8. J-C. Régim: "General Principles of Constraint Programming", Post-Graduate School of Engineering of the **Federal University of Rio de Janeiro**, Brazil, Aug 2007
9. J-C. Régim, "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.
10. J-C. Régim, "Alldifferent and Cardinality Constraints", **2nd International Summer School on Constraint Programming**, Samos, Greece, July 2006.
11. J-C. Régim, "Global Constraints", invited tutorial, **1st International Summer School on Constraint Programming**, Aquafredda di Maratea, Italy, Sept 2005.
12. J-C. Régim: "Modelling Problems in Constraint Programming", **Cork Constraint Computation Center**, Cork, Ireland, Aug 2005

13. J-C. Régin: "Using Constraint Programming to Solve the Maximum Clique Problem", Computer Science Seminar, **Brown University**, Providence, USA, May 2005
14. J-C. Régin: "General Principles of Constraint Programming", IISI Seminar, **Cornell University**, Ithaca, USA, Feb 2005
15. J-C. Régin, "Implementation of Arc Consistency Algorithms in a Solver", **Constraint Propagation and Implementation workshop**, CP'04, Toronto, Canada, Sept 2004.
16. J-C. Régin, "Graph Theory and Constraint Programming", invited tutorial, **Master Class, CP-AI-OR'04**, Nice, France, Avril 2004.
17. J-C. Régin: "Introduction à la Programmation par Contraintes", Séminaire RO, **Université de Montreal**, Montréal, Canada, May 2003
18. N. Beldiceanu and J-C. Régin, "Global Constraints", invited tutorial, **CP'02**, Ithaca, USA, Sept 2002.
19. J-C. Régin, "Implementation of Soft Constraints", **TRICS workshop**, CP'02, Ithaca, USA, Sept 2002.
20. J-C. Régin, "Global Constraints", **CP-AI-OR'02**, Le Croisic, France, May 2002.
21. 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.
22. 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: "Global Constraints: a survey" in "Hybrid Optimization", Springer, M. Milano and P. Van Hentenryck editors, p.63–134, 2011.
2. 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. P. Benchimol, W-J van Hoesve, J-C. Régin, L-M. Rousseau and M. Rueher: "Improved Filtering for Weighted Circuit Constraints", to appear, **Constraints**, 2012
2. T. Petit, J-C. Régin: " The Ordered Distribute Constraint", **International Journal on Artificial Intelligence Tools**, 20(4): 617-637, 2011

3. P. Schaus, Y. Deville, P. Dupont and J-C. Régin: "Simplification and extension of the SPREAD Constraint", **Future and Trends of Constraint Programming**, p.95-99, 2007
4. J-C. Régin, M. Rueher: "Inequality-sum : a global constraint capturing the objective function", **RAIRO Operations Research**, 39, pp 123-139, 2005.
5. C. Bessière, J-C. Régin, R.H.C. Yap, Y. Zhang: "An Optimal Coarse-grained Arc Consistency Algorithm", **Artificial Intelligence**, vol 165 (2), pp 165–185, 2005.
6. J-C Régin: "Cost based Arc Consistency for Global Cardinality Constraints", **Constraints**, an International Journal, pp 387–405, Vol 7, Issue 3-4, 2002.
7. J-C. Régin: "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.
8. C. Bessière, E.C Freuder and J-C. Régin: "Using Constraint Metaknowledge to Reduce Arc Consistency Computation", **Artificial Intelligence**, vol.107 (1), pp 125–148, 1999.

### Highly Refereed International Conference Papers

1. 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, 2011
2. 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, 2011
3. 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, 2011
4. 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
5. P. Benchimol, J-C. Régin, L-M. Rousseau, M. Rueher and W-J. van Hoesve: "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
6. J-C. Régin, L-M. Rousseau, M. Rueher and W-J. van Hoesve: "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
7. 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.

8. 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 .
9. 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.
10. W-J. van Hove 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.

20. 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.
21. 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.
22. 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.
23. 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.
24. 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.
25. 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.
26. 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.
27. J-C Régin: "The Symmetric Alldiff Constraint", **IJCAI-99, 16th International Joint Conference on Artificial Intelligence** , Stockholm, Sweden, pp 420-425, 1999.
28. P. Van Hentenryck, L. Michel, L. Perron, and J-C Régin, "Constraint Programming in OPL", **PPDP'99**, Paris, France, invited paper, pp 98-116, 1999.
29. 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.
30. 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.
31. 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.
32. J-C. Régin: "Generalized Arc Consistency for Global Cardinality Constraint", **AAAI-96, 13th Conference on Artificial Intelligence**, Portland, OR, USA, pp 209-215, 1996.
33. 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.

34. C. Bessière, E.C Freuder and J-C. Régim: "Using Inference to Reduce Arc Consistency Computation", **IJCAI-95, 14th International Joint Conference on Artificial Intelligence** , Montréal, Canada, pp 592-598, 1995.
35. J-C. Régim: "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

1. T. Petit and J-C Régim : "The Ordered Distribute Constraint", **ICTAI-2010, 22th International Conference on Tools with Artificial Intelligence**, Arras, France, pp 431-438, 2010.
2. T. Petit, J-C Régim, and C. Bessière, "Meta-Constraints on violations for over-constrained problems", **ICTAI-2000, 12th International Conference on Tools with Artificial Intelligence**, Vancouver, Canada, pp 358-365, 2000.
3. C. Bessière and J-C. Régim: "Using bidirectionality to speed-up arc-consistency processing", **Constraint Processing**, Lecture Notes in Computer Science, M. Meyer ed., Springer-Verlag, 923, pp 157-170, 1995,
4. C. Bessière and J-C. Régim: "An arc-consistency algorithm optimal in the number of constraint checks", **ICTAI'94, 6th International Conference on Tools with Artificial Intelligence**, New Orleans, USA, pp 397-403, 1994.
5. J-C. Régim, O. Gascuel and C. Laurenço: "Machine Learning of strategical knowledge in organic synthesis from reaction databases", Selected papers from the First European Conference on Computational Chemistry, Conference Proceedings 330, American Institute of Physics, Nancy, 1994, pp 618-623.
6. P. Vismara, J-C. Régim, J. Quinqueton, M. Py, C. Laurenço, and L.Lapied: "RESYN : Un système d'aide à la conception de plan de synthèse en chimie organique", **Avignon-92**, Les systèmes experts et leurs applications, 12ème Journées Internationales, Avignon, France, pp 305-318, 1992.
7. A. Escousse, C. Sgro, M. Biour, J-C. Régim, and V. Rigoulot: "Early Detection of Hepatic Adverse Drug Reactions by the Medical Practitioner: Microcomputerised Bank to Diagnosis", **4<sup>th</sup> World Conference on Clinical Pharmacology and Therapeutic**, Manheim Heidelberg, Germany, 1989.

### Refereed International Workshops

1. J-C. Régim: "Improving the Expressiveness of Table Constraints", **CP'11**, proceedings **workshop ModRef'11**, Padova, Italy, Sept. 2011.
2. J-C. Régim and M. Rezgui: "Discussion about Constraint Programming Bin Packing Models", **AAAI-11**, proceedings **workshop AIDC 2011**, San Francisco, 2011
3. P. Schaus, Y. Deville, P. Dupont, J-C. Régim: "Simplification and extension of the SPREAD Constraint", **CP'06**, proceedings **workshop on Constraint Propagation and Implementation**, Nantes, p.72-92, 2006.
4. J-C Régim: "Maintaining arc consistency algorithms during the search with an optimal time and space complexity", **CP'04**, proceedings **workshop on Constraint Propagation and Implementation**, Toronto, Canada, 2004.

5. J-C Régin: "CAC: A configurable, generic and adaptive arc consistency algorithm", **CP'04**, proceedings **workshop on CP and implementation**, Toronto, Canada, 2004.
6. T. Petit, C. Bessière, and J-C Régin: "A General Conflict-Set Based Framework for Partial Constraint Satisfaction", **CP'03**, proceedings **workshop on Soft Constraints**, Kinsale, Ireland, 2003.
7. J-C. Régin: "Solving the Maximum Clique Problem with Constraint Programming", **CP-AI-OR'03**, Montreal, Canada, 2003.
8. T. Petit, J-C. Régin, and C. Bessière: "Range-based Algorithm for Max-CSP", **ECAI-2002**, proceedings **workshop on Modelling and Solving Problems with Constraints**, Lyon, France, 2002.
9. J-C. Régin and M. Rueher: "A global constraint combining a sum constraint and binary inequalities", **IJCAI-99**, proceedings **Workshop on Non Binary Constraints**, Stockholm, Sweden, pp F:1-13, 1999.
10. J-C. Régin: "Minimization of the number of breaks in sports scheduling problems using constraint programming", proceedings **DIMACS Workshop on Constraint Programming and Large Scale Discrete Optimization**, pp P7:1-23, 1998.
11. C. Bessière and J-C. Régin: "Local Consistency on Conjunctions of Constraints", **ECAI-98**, proceedings **Workshop on Non Binary Constraints**, Brighton, England, pp 53-60, 1998.
12. C. Gaspin and J-C. Régin: "Application of maximal constraint satisfaction problems to RNA", **CP'97**, proceedings **Workshop in Bioinformatics**, Austria, 1997.
13. C. Bessière and J-C. Régin: "An arc-consistency algorithm optimal in the number of constraint checks", **ECAI'94**, proceedings **Workshop on Constraint Processing**, Amsterdam, The Netherlands, pp 9-16, 1994.

## Refereed National Conferences

1. J-C Régin: "Amélioration de l'expressivité des contraintes de table", **JFPC'11**, Lyon, France, 2011.
2. P. Schaus, P. Van Hentenryck and J-C. Régin: "Problème d'équilibre des charges de travail dans l'affectation de patients aux infirmières", **JFPC'09**, France, Orléans, 2009.
3. P. Schaus, Y. Deville, P. Dupont and J-C. Régin: "La Contrainte Déviation", **JFPC'07**, Rocquencourt, France, p.173-182, 2007.
4. J-C. Régin: "CAC : Un algorithme d'arc-consistance configurable, générique et adaptatif", **JNPC'04**, Angers, France, 2004.
5. T. Petit, C. Bessière, and J-C Régin: "Détection de Conflits pour la Résolution de Problèmes Sur-contraints", **JNPC'03**, Amiens, France, pp 293-308, 2003.
6. R. Bernhard, J. Chambon, C. Le Pape, L. Perron, and J-C. Régin: "Résolution d'un problème de conception de réseau avec Parallel Solver", **JFPLC'2002**, Nice, France, pp 151-166, 2002.
7. J-C. Régin, J-F. Puget, and T. Petit: "Representation of soft constraints by hard constraints", **JFPLC'2002**, Nice, France, pp 191-198, 2002.

8. T. Petit, J-C. Régin, and C. Bessière, "Algorithmes de filtrage spécifiques pour les problèmes sur-contraints", **JNPC'2001**, Toulouse, France, pp 233–246, 2001.
9. C. Bessière and J-C. Régin, "Refining the Basic Constraint Propagation Algorithm", **JFPLC 2001**, Paris, France, 2001
10. C. Fagot and J-C. Régin: "CoNNei : une méthode conceptuelle de voisinage", **JFA-96**, Journées Françaises de l'Apprentissage, Sète, France, pp 330-333, 1996.

## Tutorial

1. J-C. Régin, "Modeling Problems in Constraint Programming", **CP'04, 10th International Conference on Principles and Practice of Constraint Programming**, Toronto, Canada, Sept 2004.

## Oral Communications

1. J-C. Régin: "Cloud Computing Management with Constraint Programming", **Informatics 2011**, Charlotte, USA, Nov 2011. Invited by J. Hooker
2. J-C. Régin: "Scalable Load Balancing in Nurse to Patient Assignment Problems", **Informatics 2010**, Austin, USA, Nov 2010. Invited by W. van Hoeve
3. J-C. Régin, "An Efficient Constraint to solve Car Sequencing Problems with Constraint Programming", **Cors/Informatics 2004**, International Meeting, Banff, Canada, May 2004. Invited by A. Lody.
4. J-C. Régin, "Using Constraint Programming to solve the Maximum Clique Problem", **Cors/Informatics 2004**, International Meeting, Banff, Canada, May 2004. Invited by P. Van Hentenryck.
5. J-C. Régin, "An original method to deal with distance constraints", **Cors/Informatics 2004**, International Meeting, Banff, Canada, May 2004. Invited by J. Hooker.
6. J-C. Régin, "Constraint Programming and Sports League Scheduling", **Cors/Informatics 2004**, International Meeting, Banff, Canada, May 2004. Invited by M. Trick.
7. C. Gomes, J-C. Régin, "Modelling All-diff matrix models in Constraint Programming", **Optimization days**, Montreal, Canada, May 2003.
8. J-C. Régin, "Combination of Cardinality and Sequence Constraints", **Optimization days**, Montreal, Canada, May 2003.
9. T. Petit, J-C. Régin, and C. Bessière, "Generalization of constructive disjunction for over-constrained problems", **Informatics**, Miami, Floride, Nov. 2001. Invited by G. Pesant.
10. T. Petit and J-C. Régin, "An original constraint based approach for solving over constrained problems", **ISMP**, Aug 2000, Atlanta.
11. J-C. Régin and J-F. Puget, "Solving Car Sequencing Problems with Constraint Programming", **ISMP**, Aug 2000, Atlanta. Invited by M. Junger.
12. J-C. Régin, "Constraint Programming and Sports Scheduling Problems", **Informatics**, May 1999, Cincinnati. Invited by M. Trick.
13. J-C. Régin, "Flow Theory and Constraint Programming", **Informatics**, May 1999, Cincinnati. Invited by K. McAloon.

14. J-C. Régim, "Modeling and Solving Sports League Scheduling with Constraint Programming", **Informis**, April 1998, Montreal. Invited by K. McAloon.
15. J-C. Régim, "Intérêt de la théorie des flots en programmation par contraintes", **1er congrès ROADEF**, Paris, Jan. 1998. Invited by Y. Caseau.