

ELENCO DELLE PUBBLICAZIONI E DEI DOCUMENTI PRODOTTI di

Maria Silvia Pini

• PUBBLICAZIONI

Riviste Internazionali:

- R1** M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Aggregating partially ordered preferences. In *Journal of Logic and Computation*, 19(3), pp. 475-502, Oxford University Press, April 2008. (Impact factor: 0.789)
- R2** S. Bistarelli, M. S. Pini, F. Rossi, and K. B. Venable. From soft constraints to bipolar preferences: modelling framework and solving issues. In *Journal of Experimental and Theoretical Artificial Intelligence*, 22(2), pp. 135-158, Taylor & Francis, 2010. (Impact Factor: 0.533)
- R3** M. Gelain, M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Elicitation Strategies for Soft Constraint Problems with Missing Preferences: Properties, Algorithms and Experimental Studies. In *Artificial Intelligence Journal*, 174(3-4), pp. 270-294, Elsevier, 2010. (Impact Factor: 3.036)
- R4** M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Manipulation complexity and gender neutrality in stable marriage procedures. In *Journal of Autonomous Agents and Multi-Agent Systems*, Springer, DOI: 10.1007/s10458-010-9121-x, published online: 7 February 2010. (Impact Factor: 1.51)
- R5** M. S. Pini, F. Rossi, and K. B. Venable. Soft Constraint Problems With Uncontrollable Variables. Accepted by *Journal of Experimental and Theoretical Artificial Intelligence*, Taylor & Francis, pp. 1-47, 14 January 2010. (Impact Factor: 0.533)
- R6** M. Gelain, M. S. Pini, F. Rossi, K. B. Venable, and N. Wilson. Interval-valued Soft Constraint Problems. Accepted by *AMAI - Annals of Mathematics and Artificial Intelligence* - Special Issue for ISAIM 2008, Springer, 14 June 2010. (Impact Factor: 0.893)
- R7** M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Incompleteness and Incompatibility in Preference Aggregation: Complexity Results. Accepted with minor revisions by *Artificial Intelligence Journal* - Special Issue on Representing, Processing, and Learning Preferences: Theoretical and Practical Challenges, Elsevier, 10 June 2010, resubmitted: 1 July 2010. (Impact Factor: 3.036)
- R8** S. Bistarelli, M. S. Pini, F. Rossi, and K. B. Venable. Uncertainty in bipolar preference problems. Accepted by *Journal of Experimental and Theoretical Artificial Intelligence*, Taylor & Francis, pp. 1-33, 11 July 2010. (Impact Factor: 0.533)

Atti di Convegni Internazionali con Referaggio:

- C1** M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Aggregating partially ordered preferences: possibility and impossibility results. *In Proceedings of 10th Conference on Theoretical Aspects of Rationality and Knowledge (TARK X)*, ACM Digital Library, National University of Singapore, ISBN 981-05-3412-4, pp. 193-206, Singapore, June 2005.
- C2** M. S. Pini, F. Rossi, and K. B. Venable. Possibility theory for reasoning about uncertain soft constraints. *In Proceedings of the 8th European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty (ECSQARU 2005)*, Springer-Verlag LNAI 3571, ISBN 3-540-27326-3, pp. 800-811, Barcelona, Spain, July 2005.
- C3** M. S. Pini, F. Rossi, and K. B. Venable. Uncertainty in soft constraints problems. *Doctoral Paper in Proceedings of 11th International Conference of Principles and Practice of Constraint Programming (CP 2005)*, Springer-Verlag LNCS 3709, ISBN 3-540-29238-1, p. 865, Sitges, Spain, October 2005.
- C4** M. S. Pini, F. Rossi, and K. B. Venable. Uncertainty in soft constraints problems. *In Proceedings of International Conference on Intelligent Agents, Web Technology and Internet Commerce (IAWTIC 2005)*, IEEE Computer Society, ISBN 0-7695-2504-0-01, pp. 583-589, Wien, Austria, November 2005.
- C5** M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Strategic voting when aggregating partially ordered preferences. *In Proceedings of the 5th International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2006)*, ACM Press, ISBN 1-59593-303-4, pp. 685-687, Hakodate, Japan, May 2006.
- C6** S. Bistarelli, M. S. Pini, F. Rossi, and K. B. Venable. Bipolar preference problems. *In Proceedings of the 17th European Conference on Artificial Intelligence (ECAI 2006)*, IOS Press, vol. 141, ISBN 1-58603-642-4, pp. 705-706, Riva del Garda, Italy, August 2006.
- C7** M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Computing possible and necessary winners from incomplete partially-ordered preferences. *In Proceedings of the 17th European Conference on Artificial Intelligence (ECAI 2006)*, **Best poster Award**, IOS Press, vol. 141, ISBN 1-58603-642-4, pp. 767-768, Riva del Garda, Italy, August 2006.
- C8** J. Lang, M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Winner determination in sequential majority voting. *In Proceedings of the 20th International Joint Conference on Artificial Intelligence (IJCAI 2007)*, AAAI Press, ISBN: 978-1-57735-298-3, pp. 1372-1377, Hyderabad, India, January 2007.
- C9** M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Incompleteness and incomparability in preference aggregation. *In Proceedings of the 20th International Joint Conference on Artificial Intelligence (IJCAI 2007)*, AAAI Press, ISBN: 978-1-57735-298-3, pp. 1464-1469, Hyderabad, India, January 2007.
- C10** S. Bistarelli, M. S. Pini, F. Rossi, and K. B. Venable. Bipolar preference problems: framework, properties and solving techniques. *Recent Advances in Constraints. Selected papers from 2006 CSCLP Workshop*, Springer LNAI 4651, ISBN: 978-3-540-73816-9, pp. 78-92, Springer Verlag Berlin Heidelberg, 2007.

- C11** M. Gelain, M. S. Pini, F. Rossi, and K. B. Venable. Dealing with incomplete preferences in soft constraint problems. *In Proceedings of the 13th International Conference on Principles and Practice of Constraint Programming (CP 2007)*, Springer LNCS 4741, ISBN: 978-3-540-74969-1, pp. 286-300, Springer Verlag Berlin Heidelberg, 2007.
- C12** S. Bistarelli, M. S. Pini, F. Rossi, and K. B. Venable. Uncertainty in bipolar preference problems. *In Proceedings of the 13th International Conference on Principles and Practice of Constraint Programming (CP 2007)*, Springer LNCS 4741, ISBN: 978-3-540-74969-1, pp. 782-789, Springer Verlag Berlin Heidelberg, 2007.
- C13** M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Dealing with incomplete agents' preferences and an uncertain agenda in group decision making via sequential majority voting. *In Proceedings of the 11th International Conference on Principles of Knowledge Representation and Reasoning (KR 2008)*, AAAI Press, ISBN: 978-1-57735-384-3 pp. 571-578, 2008.
- C14** M. Gelain, M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Elicitation strategies for fuzzy constraint problems with missing preferences: algorithms and experimental studies. *In Proceedings of the 14th International Conference on Principles and Practice of Constraint Programming (CP 2008)*, Springer LNCS 5202, ISBN: 978-3-540-85957-4, pp. 402-417, Springer Verlag Berlin Heidelberg, 2008.
- C15** M. S. Pini, F. Rossi, K. B. Venable, and R. Dechter. Robust solutions in unstable optimization problems. *In Recent Advances in Constraints*, Springer LNAI 5655, ISBN: 978-3-642-03250-9, pp. 116-131, Springer Verlag Berlin Heidelberg, 2009.
- C16** M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Manipulation and gender neutrality in stable marriage procedures. *In Proceedings of the 8th International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2009)*, Volume 1, IFAAMAS Press, ISBN: 978-0-9817381-6-1, pp. 665-672, 2009.
- C17** U. Endriss, M. S. Pini, F. Rossi, and K. B. Venable. Preference Aggregation over Restricted Ballot Languages: Sincerity and Strategy-Proofness. *In Proceeding of the 21th International Joint Conference of Artificial Intelligence (IJCAI 2009)*, AAAI Press, pp. 122-127, Pasadena (USA), 2009.
- C18** M. Gelain, M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Male optimality and uniqueness in stable matching problems with partial orders (Extended Abstract). *In Proceedings of the 9th International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2010)*, IFAAMAS Press, pp. 1387-1388, Toronto, Canada, 2010.
- C19** M. Gelain, M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Local search algorithms on the stable marriage problem: experimental studies. *Accepted at the 19th European Conference of Artificial Intelligence (ECAI 2010)*, short paper, IOS Press, Lisbon, Portugal, 2010.
- C20** M. Gelain, M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Local search for stable marriage problems with ties and incomplete lists. *Accepted at the 11th Pacific Rim International Conference on Artificial Intelligence (PRICAI 2010)*, regular paper, Springer LNCS, Daegu, Korea, 2010.

Atti di Workshop Internazionali con Referaggio:

- W1** M. S. Pini, F. Rossi, and K. B. Venable. Reasoning about fuzzy preferences and uncertainty. *In Proceedings of the 6th International Workshop on Soft Constraints and Preferences (SOFT 2004)*, held in conjunction with the 10th International Conference on Principles and Practice of Constraint Programming, CP'04, Toronto, Canada, October 2004.
- W2** M. S. Pini, F. Rossi, and K. B. Venable. Uncertainty in soft constraints problems. *In Proceedings of the 10th Annual Workshop of ERCIM/CoLogNet on Constraint Solving and Constraint Logic Programming (CSCLP 2005)*, Uppsala, Sweden, June 2005.
- W3** A. Lodi, M. S. Pini, and F. Rossi. Gomory cuts in a hybrid constraint programming approach. *In Proceedings of the 10th Annual Workshop of ERCIM/CoLogNet on Constraint Solving and Constraint Logic Programming (CSCLP 2005)*, Uppsala, Sweden, June 2005.
- W4** M. S. Pini, F. Rossi, and K. B. Venable. Possibilistic and probabilistic uncertainty in soft constraints problems. *In Proceedings of the Multidisciplinary Workshop on Advances in Preference Handling (PREF 2005)* held in conjunction of the 19th International Joint Conference on Artificial Intelligence, IJCAI'05, Edinburgh, Scotland, July 2005.
- W5** S. Bistarelli, M. S. Pini, F. Rossi, and K. B. Venable. Positive and negative preferences. *In Proceedings of the 7th International Workshop on Preferences and Soft Constraints (SOFT 2005)*, held in conjunction with the 11th International Conference on Principles and Practice of Constraint Programming, CP'05, Sitges, Spain, October 2005.
- W6** S. Bistarelli, M. S. Pini, F. Rossi, and K. B. Venable. Modelling and solving bipolar preference problems. *In Proceedings of 11th Annual ERCIM Workshop on Constraint Solving and Constraint Logic Programming (CSCLP 2006)*, Lisbon, Portugal, June 2006.
- W7** M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Incompleteness and incomparability in preference aggregation. *In Proceedings of the Multidisciplinary Workshop on Advances in Preference Handling (PREF 2006)*, held in conjunction of the 17th European Conference on Artificial Intelligence, ECAI'06, Riva del Garda, Italy, August 2006.
- W8** J. Lang, M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Winner determination in sequential majority voting with incomplete preferences. *In Proceedings of the Multidisciplinary Workshop on Advances in Preference Handling (PREF 2006)*, held in conjunction of the 17th European Conference on Artificial Intelligence, ECAI'06, Riva del Garda, Italy, August 2006.
- W9** M. S. Pini and F. Rossi. Reasoning on bipolar preference problems. *In Proceedings of the CP'06 Doctoral Programme (DOCTCP 2006)*, Nantes, France, September 2006.
- W10** M. S. Pini, F. Rossi, and K. B. Venable. Uncertainty in bipolar preference problems. *In Proceedings of the 8th International Workshop on Preferences and Soft Constraints (SOFT 2006)*, held in conjunction with the 12th International Conference on Principles and Practice of Constraint Programming, CP'06, Nantes, France, September 2006.

- W11** M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Incompleteness and incomparability in preference aggregation: complexity results. *In Proceedings of the 8th International Workshop on Preferences and Soft Constraints (SOFT 2006)*, held in conjunction with the 12th International Conference on Principles and Practice of Constraint Programming, CP'06, Nantes, France, September 2006.
- W12** M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Preference aggregation and elicitation: tractability in the presence of incompleteness and incomparability. *In Proceedings of DIMACS/LAMSADE Workshop on Voting Theory and Preference Modelling*, Paris, France, October 2006.
- W13** M. Gelain, M. S. Pini, F. Rossi, and K. B. Venable. Soft Constraint Problems with Incompleteness. *CSCLP 2007: Annual ERCIM Workshop on Constraint Solving and Constraint Logic Programming (CSCLP 2007)*, Rocquencourt, Yvelines France, June 2007.
- W14** M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Sequential majority voting with incomplete preferences. *In Proceedings of the AAAI'07 Workshop on Preference Handling for Artificial Intelligence (PREF 2007)*, held in conjunction of the 22nd Conference on Artificial Intelligence, AAAI'07, Vancouver, Canada, July 2007.
- W15** M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Determining winners in weighted sequential majority voting: incomplete profiles vs. majority graphs. *In Proceedings of the Eighth Workshop on Computational Logic and Multi-agent Systems (CLIMA-VIII)*, Porto, Portugal, 2007.
- W16** M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Determining winners in weighted and unweighted sequential majority voting. *In Proceedings of the Dagstuhl Seminar on Computational Issues in Social Choice*, Dagstuhl, Germany, 2007.
- W17** M. Gelain, M. S. Pini, F. Rossi, K. B. Venable, and N. Wilson. Imprecise Soft Constraint Problems. *In Proceedings of the AAAI-08 Multidisciplinary Workshop on Advances in Preference Handling*, Chicago, Illinois, July 13-14, 2008.
- W18** M. Gelain, M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Elicitation Strategies for Fuzzy Constraint Problems with Missing Preferences: an Experimental Study. *In Proceedings of the AAAI'08 Multidisciplinary Workshop on Advances in Preference Handling*, Chicago, Illinois, July 13-14, 2008.
- W19** M. S. Pini, F. Rossi, K. B. Venable, and R. Dechter. Robust solutions in unstable optimization problems. *In Proceedings of the Annual ERCIM Workshop on Constraint Solving and Constraint Logic Programming (CSCLP 2008)*, Rome, Italy, June 18-20, 2008.
- W20** M. Gavanelli and M. S. Pini. FCP-Nets: extending constrained CP-nets with objective functions. *In Proceedings of the Annual ERCIM Workshop on Constraint Solving and Constraint Logic Programming (CSCLP 2008)*, Rome, Italy, June 18-20, 2008.
- W21** M. Gelain, M. S. Pini, F. Rossi, K. B. Venable, and N. Wilson. Imprecise Soft Constraint Problems. *In Proceedings of the International Workshop on Preferences and Soft Constraints (SOFT 2008)*, held in conjunction with the 14th International Conference on Principles and Practice of Constraint Programming - CP'08, Sydney, Australia, September 2008.

- W22** M. Gelain, M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Male optimal and unique stable marriages with partially ordered preferences. *In Proceedings of the International Workshop on Collaborative Agents – REsearch and Development (CARE 2009)*, Melbourne, Australia, December 2009.
- W23** M. Gelain, M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Local search for stable marriage problems with ties and incomplete lists. *In Proceedings of the ECAI'10 Multidisciplinary Workshop on Advances in Preference Handling (MPREF 2010)*, Lisbon, Portugal, August 2010.
- W24** M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Stable marriage problems with quantitative preferences. *In Proceedings of the Third International Workshop on Computational Social Choice (COMSOC 2010)*, Düsseldorf, Germany, September 2010.
- W25** M. Gelain, M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. Local search for stable marriage problems. *In Proceedings of the Third International Workshop on Computational Social Choice (COMSOC 2010)*, Düsseldorf, Germany, September 2010.
- W26** M. Gelain, M. S. Pini, F. Rossi, K. B. Venable, and T. Walsh. A local search approach to solve incomplete fuzzy and weighted CSPs. *In Proceedings of the CP'10 Workshop on Preferences and Soft Constraints (SOFT 2010)*, St Andrews, September 2010.

• **DOCUMENTI E TITOLI**

1. Certificato di Laurea in Matematica conseguita il 14 Ottobre 2003 presso l'Università di Padova con la votazione di 110/110 e Lode.
2. Autocertificazione del Dottorato di Ricerca in Matematica Computazionale conseguito il 20 Marzo 2007 presso l'Università di Padova.
3. Copia del contratto relativo all'Assegno di Ricerca Biennale stipulato con l'Università di Padova, dal 1 gennaio 2007 al 31 dicembre 2008 prorogato al 31 luglio 2009 per effetto della sospensione del contratto per maternità.
4. Copia del contratto relativo al Rinnovo Biennale dell'Assegno di Ricerca stipulato con l'Università di Padova, dal 1 agosto 2009 al 31 luglio 2011.
5. Autocertificazione del congedo per Maternità dal 9 settembre 2008 al 8 aprile 2009.
6. Copia del contratto di collaborazione coordinata e continuativa per l'A.A. 2007/2008 a titolo retribuito per l'insegnamento di 'Informatica' al corso di laurea in Scienze e Tecnologie per l'Ambiente e il Territorio, Facoltà di Scienze MM. FF. NN., Università di Padova.
7. Certificato per il miglior poster all'ECAI 2006.
8. Giudizio del Prof. Krzysztof Apt sulla Tesi di Dottorato.
9. Giudizio del Prof. Andrea Lodi sulla Tesi di Dottorato.
10. Lettera di referenza della Prof.ssa Francesca Rossi.
11. Tesi di Dottorato: 'Reasoning with Preferences and Uncertainty', Università di Padova, Dicembre 2006.

Data

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