

# ELENCO DELLE PUBBLICAZIONI PRESENTATE

di

Maria Silvia Pini

## *Riviste internazionali:*

- R1** M. S. Pini, F. Rossi, K. B. Venable and T. Walsh. Aggregating partially ordered preferences. *In Journal of Logic and Computation. In Journal of Logic and Computation*, 19(3), pp. 475-502, Oxford University Press, April 2008.
- R2** S. Bistarelli, M. S. Pini, F. Rossi and K. B. Venable From soft constraints to bipolar preferences: modelling framework and solving issues, *Journal of Experimental and Theoretical AI*, Taylor & Francis, 2009 (in press).

## *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)*, ISBN: 978-3-540-74969-1, pp. 286-300, Springer LNCS 4741, 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)*, ISBN: 978-3-540-74969-1, pp. 782-789, Springer LNCS 4741, 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, Sydney, Australia, September 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)*, Sydney, Australia, September 2008.
- C15** M. S. Pini, F. Rossi, K. B. Venable, R. Dechter. Robust solutions in unstable optimization problems. *In Recent Advances in Constraints*, Springer LNAI, 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)*, ACM Press, Budapest, Hungary, May 2009.

- C17** U. Endriss, M. S. Pini, F. Rossi, 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)*, Pasadena (USA), AAAI Press, 2009.

*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 2006 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 2007 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 CLIMA-VIII 2007 Workshop on Computational Logic and Multi-agent Systems*, 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. Brent Venable, 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. Brent Venable, 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. Brent Venable, R. Dechter. Robust solutions in unstable optimization problems. *In Proceedings of the CSCLP-08 Annual ERCIM Workshop on Constraint Solving and Constraint Logic Programming*, Rome, Italy, June, 18-20, 2008.
- W20** M. Gavanelli, M. S. Pini. FCP-Nets: extending constrained CP-nets with objective functions. *In Proceedings of the CSCLP-08 Annual ERCIM Workshop on Constraint Solving and Constraint Logic Programming*, Rome, Italy, June, 18-20, 2008.

- W21** M. Gelain, M. S. Pini, F. Rossi, K. Brent Venable, 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.

***Tesi di Dottorato:***

- D1** M. S. Pini. *Reasoning with Preferences and Uncertainty*. University of Padova, Italy, March 2007. Available: <http://www.math.unipd.it/~mpini/>

***Rapporti tecnici:***

- T1** S. Bistarelli, M. S. Pini, F. Rossi and K. B. Venable. Modelling and solving bipolar preference problems. *Preprint n.05-2006*, Department of Pure and Applied Mathematics, University of Padova, Italy, 2006.

***Altro:***

- A1** M. S. Pini. Problemi con preferenze ed incertezza. *Note del SEMINARIO DOTTORATO della Scuola di Dottorato di Ricerca in Scienze Matematiche dell'Università di Padova*. Università di Padova, Giugno 2007.

Luogo e data .....

Maria Silvia Pini