List of publications of Stefano MORETTI

Peer reviewed International Journals

(Game Theory)


(Statistical analysis of biological data)


**International Conference Proceedings (Peer-reviewed)**


National journals and conferences


Books chapters


**Others**


**editorial activity**


**Communications to international conferences and schools**

- *Coalitional games for energy saving in telecommunication networks*. Invited speaker during the Summer School on Game Theory and Health Management, Campione d’Italia, Italy, 7-12 September 2014.
- *Coalitional games for abstract argumentation*. 10th Spain-Italy-Netherlands Meeting on Game Theory (SING10), Krakow, Poland, 7-9 July 2014
- *On some applications of Coalitional games*. Game theoretical models for engineering, PhD course at Politecnico di Milano, 24-26 Mars 2014.
[70] Coalitional games applied to large biological data sets, Invited speaker of the Workshop on Modeling and Analysis of Biological Networks, an associate workshop of the International Environmental Omics Synthesis Conference (iEOS 2013), Cardiff, UK, 11 September 2013.

[71] Coalitional games on networks and Coalitional games applied to computational biology, Invited speaker during the Summer School on Game Theory and Health Management, Campione d'Italia, Italy, 1-6 September 2013.

[72] Ordinal power indices for ordinal coalitional games, 9th Spain-Italy- Netherlands Meeting on Game Theory (SING9), Vigo, Spain, 8-10 July 2013

[73] On the problem of coordinating self-interested agents placed on a network to realize a socially optimal system, Workshop Game Theory @ the Universities of Milan III, Politecnico di Milano, Dipartimento di Matematica, 23-24 May 2013.

[74] Extending preferences with probabilistic values for games, accepted for presentation at the 14e conférence ROADEF de la société Française de Recherche Opérationnelle et Aide à la Décision, Troyes, France, 13-15 Février 2013. (talk based on a joint work with R. Lucchetti and F. Patrone)

[75] Ranking sets of objects using the Shapley value and other regular semivalues, DIMACS Workshop on Algorithmic Aspects of Information Fusion (WAIF), DIMACS Center, Rutgers University, USA, 8-9 November 2012.

[76] Cost allocation protocols for energy saving on non-cooperative connection situations, 8th Spain-Italy- Netherlands Meeting on Game Theory (SING8), Budapest, Hungary, 16-18 July 2012, (talk based on a joint work with B. Escoffier, L. Gourves, J. Monnot)

[77] Ranking Sets of Possibly Interacting Objects Using Shapley Extensions, 13th International Conference on Principles of Knowledge Representation and Reasoning (KR 2012), Rome, Italy, 10-14 June 2012 (talk based on a joint work with A. Tsoukiàs)

[78] Power set extensions of ordinal preferences using marginal contributions, Workshop Game Theory @ the Universities of Milan II, Politecnico di Milano, Dipartimento di Matematica, 12-13 May 2011.

[79] Ranking sets of objects using extension rules based on coalitional games, 7th Spain-Italy-Netherlands Meeting on Game Theory (SING7), Paris, France, 18 - 20 July 2011 (talk based on a joint work with A. Tsoukiàs)

[80] Coalitional games on biological networks to measure the power of genes, EURO XXIV 24th European Conference on Operational Research, Lisbon, Portugal, 11 - 14 July 2010. (talk based on a joint work with S. Bonassi, V. Fragnelli, F. Patrone).

[81] An Application Of Microarray Games To Gene Expression Analysis, Sixth International Meeting On Computational Intelligence Methods For Bioinformatics And Biostatistics, Genoa, Italy, 15-17 October 2009.

[82] Co-expression network games, Sixth Annual Meeting of the Bioinformatics Italian Society, Genoa, Italy, 18 - 20 March 2009 (poster section).


[88] Game theory applied to gene expression analysis, SING2 Second Spain Italy Netherlands meeting on Game Theory, Foggia, Italy, 2006.


[90] An application of Game Theory in microarray data analysis, Understanding the genome: microarray applications from the biology to the clinic II edition, Genoa, Italy (poster communication), 2005.


Seminars and other communications

[100] **Coalitional games for abstract argumentation** Distributed algorithms and graphs Seminar, Laboratoire d’Informatique Algorithmique : Fondements et Applications, Université Paris Diderot, 8 Avril 2014.

[101] **Ordinal coalitional situations, preference extensions and social rankings** Séminaire Parisien de Théorie des Jeux, Centre Emile Borel de l’Institut Henri Poincaré, 10 February 2014.


[104] **Coalitional games applied to bioinformatics** Séminaire d’Informatique Ibisc, Université d’Evry Val d’Essonne, 28 June 2012.

[105] **Ranking sets of objects using orderings ‘aligned’ with regular semivalues** Luiss Guido Carli University, Dipartimento di Economia e Finanza, 25 May 2012.


[111] **Applications of coalitional games arising from interactive situations on networks**, Séminaire de Mathématiques Discrètes, Optimisation et Décision (MDOD) organized by the Centre d’Économie de la Sorbonne and Université Paris 1 - Panthéon Sorbonne, 7rd May 2010.

[112] **A (not so short) introduction to my CNRS research program**, seminars of LAMSADE, Université Paris Dauphine, 5th May 2010.

[113] **Power Indices and Game Theory (with Applications in Bioinformatics)**, invited speaker at the COST-ADT Doctoral School on Computational Social Choice organisé par l’European Science Foundation, COST Action on Algorithmic Decision Theory, Ésterol, Lisbon, Portugal, 12th April 2010.

[114] **“Teoria dei giochi e stima del potere dei geni : il fascino dell’approccio assiomatico tra bio-tecnologie avanzate e calcolo ad alte prestazioni”**, Belgirate XII, Portovenere, Italy, 13 Février 2009 (conférencier invité)


[118] Game Theory applied to gene expression analysis, Seminario Giovani, Department of Mathematics, Université de Gênes, Italie, 7th December 2006.

[119] La statistica dei microarray, Basic course on microarrays, National Research Cancer Institute, Genova, Italy, 21st November 2006.


[121] Game Theory applied to gene expression analysis, Ph.D dissertation defence, Department of Mathematics, University of Genoa, Italy, 25th May 2006.


[123] Microarray Games, seminar held at the Department of Mathematics, Catholic University, Brescia, Italy, 19th May 2005.


[125] Microarray games and the relevance index for genes, seminar held at the Department of Mathematics, University of Genoa, Italy, 26th November 2004.


[128] Cost-Benefit analysis for radioactive waste management at the hospital, seminar held during the School in Environmental Communication and Management jointly organized by The Fondazione Eni Enrico Mattei (FEEM) and the University of Genoa, 16th June 2004.

[129] Minimum cost spanning tree situations and the P-value for cost sharing, seminar held at the Department of Mathematics, University of Genoa, 3rd May 2004.

[130] Environmental applications of TU-games, seminar held at the University of Como, Italy, 18th March 2004.

[131] An overview to some Game Theory applications in Operations Research, cost allocation and Biotechnology, seminar held at the University of Insubria, Varese, Italy, 24th November 2003.

[132] Applications of Game Theory to environment and related support tools, seminar held during the workshop Approximations and Applications in Game Theory, University of Genoa, 13th October 2003.

[133] Fuzzy Norms, Default Reasoning and Equilibrium Selection in Games under Unforeseen Contingencies and Incomplete Knowledge, seminar held at the Catholic University of Milan, Italy, 4th June 2002.
[134] *Introduction to TU-games*, seminar held at the Polytechnic of Turin, Italy, 24th April 2002

[135] *Introduction to TU-games and the Shapley value: some examples referred to the class of simple games*, seminar held at the University of Eastern Piemonte, Alessandria, Italy, 18th March 2002

[136] *Fuzzy sets and Possibility Theory for modelling unforeseen events and incomplete knowledge*, seminar held at the Department of Mathematics, University of Genoa, 8th August 2002.

[137] *Connection problems on graphs and monotonic allocation schemes*, seminar held at the Department of Mathematics, University of Genoa, 16th March 2001.