1. CURRICULUM VITÆ

First name, Surname: Stefano, Moretti

Gender: M
Birth date and place: 8 February 1974, Genova (Italy)
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Education and training

13 October 2016: Habilitation à Diriger des Recherches (HDR)

Title of the thesis: Game theory and practice: models, axioms and algorithms.
Coordinator: Dr. R. Laraki
Institution: Université Paris Dauphine, Paris, France

HDR: Prof. F. J. Eesteban, Dr. M. Hoefer, Prof. H. Moulin, Dr. C. Dürr, Prof. M. Grabisch, Prof. P. Marquis.

10 October 2008: Ph.D. in Game Theory

Title of the thesis: Cost allocation problems arising from connection situations in an interactive cooperative setting.
Institution: CentER and Department of Econometrics and Operations Research, Tilburg University, The Netherlands.

Ph.D. committee: Prof. S. H. Tijs, Prof. W. H. Norde, Prof. M. R. Branzei, Prof. P. E. M. Borm, Prof. H. J. M. Hamers, Prof. G. Bergantinos, Prof. F. Patrone.


Title of the thesis: Game theory applied to gene expression analysis.
Supervisors: Prof. F. Patrone. Co-supervisor: Dr. S. Bonassi.
Institution: Department of Mathematics, University of Genova, Italy.

17 December 1999: Post-Master degree in Decision theory and risk analysis.
Institution: University of Castellanza, Varese, Italy.
Final marks: cum laude.

12 April 1999: Master degree in Environmental Science.
Institution: University of Genova, Italy.
Final marks: 110/110 (one hundred and ten out of one hundred and ten)
WORK EXPERIENCE

Current position (from 1/12/2009): Associate Scientist ("Chargé de recherche de première classe")

Employer: CNRS (The National Center for Scientific Research).

Unit: UMR7243 - LAMSADE ("Laboratoire d’Analyse et Modélisation de Systèmes pour l’Aide à la Décision"), Paris Dauphine University, France

from 16/03/2007 to 30/11/2009: Senior Research Fellow.

Employer: Unit of Molecular Epidemiology, National Cancer Research Institute, Genova, Italy.

from 16/03/2006 to 15/03/2007: Junior Research Fellow.

Employer: Unit of Molecular Epidemiology, National Cancer Research Institute, Genova, Italy.

from 01/03/2003 to 28/02/2006: Ph.D. student

Employer: Department of Mathematics, University of Genova, Italy.

from 03/03/2000 to 17/12/2002: Research fellow.

Employer: Institute for Applied Mathematics, National Research Council (CNR), Genova, Italy.

RESEARCH INTERESTS

game theory and practice, operations research, bioinformatics.

PARTICIPATION TO SCIENTIFIC PROJECTS

2016-2017 [Games and social choice: axiomatic and algorithmic aspects], transversal project of the LAMSADE (Laboratoire d’Analyse et Modélisation de Systèmes pour l’Aide à la Décision), start date: 1/2015, Main activities and responsibilities: project leader (with Laurent Gourvès, CNRS).


2013-2017 [Theorique Algorithmique de la Decision et des Jeux], financed by: GDR-RO ["Groupement de Recherche de Recherche Opérationnelle"] start date: 1/2014, Main activities and responsibilities: coordinator of the working group (with Patrice Perny, LIP6-UPMC)

2013-2017 [Eureka SD project, Enhancement of University Research and Education in Knowledge Areas useful for Sustainable Development], financed by: Erasmus Mundus Action 2, Main activities and responsibilities: unit coordinator.

2013-2017 [Orchestration d’algorithmes d’apprentissage distribués pour la gestion des ressources dans les réseaux mobiles (NETLEARN)] ANR-13-INFR-004, financed by: ANR INFRA, start date: 12/2013, duration: 36 months, Main activities and responsibilities: unit coordinator.
2011  
*Combinatorial Optimization through congestion games (CONGAS)*, financed by: GDR-RO ("Groupement de Recherche de Recherche Opérationnelle") duration: 12 months. Main activities and responsibilities: project leader.

2008-2009  
*Identification of tumor biomarkers through a biology-driven approach*, financed by: le Ministère Italien de la Santé/Regione Liguria, à l’Institut Istituto Nazionale per la Ricerca sul Cancro, Genova, Italy. Main activities and responsibilities: member of the project in charge of the statistical analysis of the biological data.

2006-2007  
*Newborns and Genotoxic exposure risks, NewGeneris*, financed by: EU 6th FP (FOOD-CT-2005-016320), National Cancer Research Institute, Genova, Italy. Main activities and responsibilities: member of the project in charge of the statistical analysis of the biological data.

2006  
*West Delta Project Conservation and Irrigation Rehabilitation Project (WDWCAIRP)* of the World Bank, Main activities and responsibilities: Short Term Consultant.

2004-2005  
*Identification of gene expression profiles associated to cancer progression in pediatric solid tumors*, projet Ministérielle, Italy. Main activities and responsibilities: member of the project.

2002  
*Incomplete contracts*, Projet ministériel, University of Castellanza, Varese, Italy. Main activities and responsibilities: member of the project.

2001  
*M-Aqua: Multimedia for Continuous Training in Water Industry*, Programme EC Leonardo Da Vinci, Institute pour la Mathematics Appliquée, CNR, Italy. Main activities and responsibilities: member of the project.

2000  
*Cost allocation methods for waste consortia*, Projet ministériel, University of Genova, Italy. Main activities and responsibilities: member of the project.

2000  
*Ratio or Norm*, Projet ministériel, University of Castellanza, Varese, Italy. Main activities and responsibilities: member of the project.

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**Organization of Scientific Events**

2017  

2017  
Member of the Scientific Committee of the  [Summer School Game Theory and Voting Systems](http://summer-school-game-theory-voting-systems.org), Campione d’Italia, 3-8 September 2017.

2016  

2016  

2016  
Member of the Scientific Committee of the International Conference [12th Spain-Italy-Netherlands Meeting on Game Theory (SING12)](http://www.sing12.com), Odense (Denmark), 11-13 July 2016.

2016  
Member of the Organizing Committee of the special session [Foundations and algorithms for ranking systems](http://www.sing12.com) at the ROADEF 2016 - “17ème congrès de la Société Française de Recherche Opérationnelle et d’Aide à la Décision”, 10-12 February 2016.

2015  
Member of the Scientific Committee of the  [Summer School Game Theory and Algorithms](http://summer-school-game-theory-algorithms.org), Campione d’Italia, 7-11 September 2015.

2015  
Member of the Program Committee of the [IJCAI-15th Workshop on Innovative Applications of Game Theory and Market Design](http://www.sing15.com), Buenos Aires, 26 July 2015.

2015  
2015 member of the Scientific Committee of the International Conference \textit{11th European Meeting on Game Theory (SING11-GTM2015) (SING11-GTM2015)}, St Petersburg (Russia), 8-10 July 2015.

2014 co-organiser (with Patrice Perny, LIP6-UPMC) of the workshop “\textit{Théorie algorithmique de la décision et des jeux}”, LIP6 - UPMC, 17 September 2014.

2014 member of the Scientific Committee of the International Conference \textit{10th Spain-Italy-Netherlands Meeting on Game Theory (SING10)}, Kraków (Poland), le 7-9 July 2014.


2013 member of the Scientific Committee of the International Conference \textit{9th Spain-Italy-Netherlands Meeting on Game Theory (SING9)}, Vigo (Spain), le 8-10 July, 2013.

2013 member of the Organizing Committee of the \textit{Final Workshop Games, algorithms and optimization}, Paris, France, 7 June 2013.

2013 member of the Organizing Committee of the special session “\textit{Théorie des jeux et recherche opérationnelle}” at the ROADEF 2013 - “14ème congrès de la Société Française de Recherche Opérationnelle et d’Aide à la Décision”, 13-15 February 2013.

2012 member of the Organizing and Scientific Committee of the \textit{École de printemps en théorie des jeux algorithmique}, campus of Jussieu (Amphi Durand), Paris 18-20 June 2012.

2012 member of the Organizing Committee of the special session \textit{théorie des jeux et recherche opérationnelle} at the ROADEF 2012 (13th Congress of the French Society for Operations Research), 11-13 April.

2012 member of the Organizing and Scientific Committee of the \textit{Workshop Games, algorithms and optimization}, Paris, France, 24 June 2011.

2010 member of the Organizing Committee of the invited session \textit{Cooperative situations on networks:algorithms and applications}, EURO XXIV 24th European Conference on Operational Research, Lisbon, Portugal, 11-14 July 2010.

2010 co-organiser (with Laurent Gourvès, CNRS) of the workshop \textit{Game Practice and Preference aggregation}, University Paris Dauphine, 23 June 2010.

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**Other academic activities**

**Evaluation committees**


2015 Member of the Committee for the selection of an Associated Professor, profile “Informatique” MCF258, Section 27, LAMSADÉ, Paris Dauphine University.


2011 Member of the Committee for the selection of an Associated Professor, profile “Aide à la décision”, Section 27, LAMSADÉ, Paris Dauphine University.

**Institutional responsibilities**

2015-2016 Member of the Council of the laboratory (“Conseil de laboratoire”) of the LAMSADÉ, Paris Dauphine University.

2014-2016 Member of the Scientific Board of the Paris Dauphine University.

2013-2016 Member of the advisory committee for recruitment CCR (“Comité Consultatif de Recrutement”) of the LAMSADÉ, Paris Dauphine University.

**Teaching**


2017 Invited teacher at the *Summer School Game theory and Voting Systems*, Campione d’Italia, 3-8 September 2017, 2 hours of teaching.


2015 Invited teacher at the *Summer School Game Theory and Algorithms*, Campione d’Italia, 7-11 September 2015, 4 hours of teaching.

2015 Course: *Algorithmic game theory* (in collaboration with Laurent Gourvès, CNRS), Doctoral program in Informatics, Paris Dauphine University, 6 hours of teaching.

2014 Course: *Decision theory and game theory* (in collaboration with Lucie Galand, Université Paris Dauphine), *Master 2 MODO* (“Modélisation Optimisation, Décision et Organisation”), Paris Dauphine University, 6 hours of teaching.

2014 Invited teacher at the *Summer School Game Theory and Telecommunication*, Campione d’Italia, 7-12 September 2014, 2 hours of teaching.
2013 Course: Game theoretical models in Engineering, (in collaboration with Laurent Gourvès, CNRS and Roberto Lucchetti, Politecnico of Milan), Doctoral program in Mathematical Models and Methods in Engineering, Politecnico di Milano, Italy, 22 Mai 2013, 6 hours of teaching.

2013 Course: Game theory (in collaboration with Laurent Gourvès, CNRS), Doctoral program in Informatics, Paris Dauphine University, 6 hours of teaching.

2013 Invited teacher at the Summer School Game Theory and Health Management, Campione d’Italia, 1-6 September 2013, 6 hours of teaching.

2011-2012 On-line course Game Theory and Practice, in the framework of the EU projet VRTUOSI-Virtual Mobility in Decision Science, 3 ECTS.

2012 Course: Decisions under uncertainty and game theory (in collaboration with Alexis Tsoukiás, CNRS, and David Rios Insua, Rey Juan Carlos University), Doctoral program in Informatics, Paris Dauphine University, 6 hours of teaching.


2010 Course: Decisions under uncertainty and game theory (in collaboration with Alexis Tsoukiás, CNRS, and David Rios Insua, Rey Juan Carlos University), Doctoral program EDDIMO (“École Doctorale Décision Informatique Mathématiques Organisation”), Paris Dauphine University, 9 hours of teaching.

2009 Course: Statistic, Bachelor’s degree in Biology and Environmental Science, University of Piemonte Orientale, Alessandria, Italy, 32 hours of teaching.

2009 Course: Game Theory, (in collaboration with Anna Torre, University of Pavia), Bachelor’s degree in Mathematics, University of Pavia, and Almo Collegio Borromeo, Pavia, Italy, 8 hours of teaching.

2008 Course: Statistic, Bachelor’s degree in Biology and Environmental Science, University of Piemonte Orientale, Alessandria, Italy, 32 hours of teaching.

2007 Course: Decision Theory, Bachelor’s degree in Statistics, Mathematics and Data Management (SMID), University of Genova, Italy, 32 hours of teaching.

2007 Course: Statistic, Bachelor’s degree in Biology and Environmental Science, University of Piemonte Orientale, Alessandria, Italy, 32 hours of teaching.

2006 Course: Decision Theory, Bachelor’s degree in Statistics, Mathematics and Data Management (SMID), University of Genova, Italy, 32 hours of teaching.

2006 (Adjunct professor) Teacher of the course Game theory applied to social science (in collaboration with Fioravante Patrone, University of Genova), Politecnico di Milano, Italy, 12 hours of teaching.

2005 Course: Decision Theory for Statisticians and Mathematicians, University of Genoa, Italy, 12 hours of teaching

2005, Course: Mathematical and Quantitative Methods, the Master in Economical Decisions, Social Responsibility and Ethical Certifications at University of Castellanza, Varese, Italy, 18 hours of teaching.

2004, Course: Decision Theory, Master in for Statistics and Mathematics, Department of Mathematics, University of Genoa, Italy, 12 hours of teaching.
2004 Course: *Game Theory*, University of Pavia and at Almo Collegio Borromeo, Pavia, Italy, 8 hours of teaching.

2003 Course: *General Mathematics for Bio-technologists*, University of Genoa, Italy, 8 hours of teaching.

2003 Invited teacher at the at the summer school Game Practice and Operations Research, Inter-university Centre for Game Theory (CITG), Lavagna, Genova, Italy, 4 hours of teaching.

2003 Course: *Mathematical and Quantitative Methods*, Master in Economical Decisions, Social Responsibility and Ethical Certifications, at University of Castellanza, Varese, Italy, 12 hours of teaching.

2000 (Teaching assistant) course in *Microeconomics and Game Theory* for post-graduated students of the Master in Decision Theory, University of Castellanza, Varese, Italy.


**Students supervision**

2017-2020 Hossein Kani, Ph.D. student: *Ordinal power indices*, Start date: March 2017, duration: 3 years (co-supervision with Meltem Ötürk, Paris Dauphine).

2016-2019 Francesca Fossati, Ph.D. student: *Strategic fairness in network resource allocation*, Start date: March 2016, duration: 3 years (co-supervision with Stefano Secci, UPMC).


2012-2017 I am teacher-member of the [atelier en IA et Décision](https://www.lamsade.dauphine.fr) du Master MODO Aide à la Décision, LAMSÀDE, Paris Dauphine University, aimed at teaching students to do research.

2017 Marianna Belotti, Master student at Politecnico di Milano: *Rewarding Miners: bankruptcy games and pooling strategies*, Master in Mathematical Engineering, Italy, master stage at Paris Dauphine University, Start date: April 17, duration: 4 months.

2017 Domenico Brambati, Master student at Politecnico di Milano: *Refining the core concept: a new monotonicity property*, Master in Mathematical Engineering, Italy, master stage at UPMC, Start date: January 2017, duration: 3 months.

2015 Zribi Souhir, Master student at the University Paris Dauphine: *Development of an R package for computing network centrality based on solution for coalitional games*, Master MODO, University Paris Dauphine, master stage at Paris Dauphine University, Start date: 16/03/15, duration: 4 months.

2015 Francesca Fossati, Master student at Politecnico di Milano: *Collusion in an argumentation framework*, Master in Mathematical Engineering, Italy, master stage at Paris Dauphine University, Start date: 1/04/15, duration: 4 months.


2014 Houissa Asma, Master student at the University Paris Dauphine: *Développement de logiciels et outils de simulations pour CDN*, Master student, co-supervised with Dana Marinca UVSQ (University of Versailles Saint-Quentin-en-Yvelines), master stage at UVSQ, Start date: 12/03/14, duration: 6 months.
2014 Aisha Bousalem, master student at UPMC (Université Pierre et Marie Curie): *Coalition formation in cellular networks*, co-supervised with Marceau Coupechoux (Telecom ParisTech), master stage at Paris Dauphine University, Start date: 01/04/14, duration: 5 months.


2012 supervisor of the “Tesi di Laurea triennale” (Bachelor degree) of G.Maddalena: An Object oriented approach to game theory: playing with objects, 2003, Department of Mathematics, University of Genova, Italy.

2004 supervisor of the “Tesi di Laurea triennale” (Bachelor degree) of M.Vullo: Discretization methods and cluster procedures for microarray data in gene expression analysis, 2004, Department of Mathematics, University of Genova, Italy.

2003 supervisor of the “Tesi di Laurea triennale” (Bachelor degree) of F.Boncompagni: An Object oriented approach to game theory: objects for playing, 2003, Department of Mathematics, University of Genova, Italy.

**Visiting researcher positions**

April 2005, Universidad Miguel Hernández of Elche, Centro of Investigación Operativa, Spain.


**Qualifications et distinctions**

2009, French Qualification to become associate professor (“Qualification aux fonctions de Maitre de Conférences”) *Section*: 26—“Mathématiques appliquées et applications des mathématiques”

2003 *Mario Lucertini Prize* for the best article produced by a young researcher and presented at the annual conference of the Italian Association for Operations Research (AIRO).

**Language**

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