



Marcello Restelli

Curriculum Vitae

Education

- 2004 **PhD Degree in Information Engineering**, *Politecnico di Milano*, Milan, Italy.
Thesis: "A Multi-Agent Learning for Multi-Agent Systems", Advisor: Prof. Andrea Bonarini.
- 2000 **Laurea Degree in Computer Engineering**, *Politecnico di Milano*, Milan, Italy.
Thesis: "Architettura per la realizzazione di strategie cooperative adattative tra agenti autonomi eterogenei", Advisor: Prof. Andrea Bonarini.
- 1994 **High School Degree**, *Liceo Scientifico "Arturo Tosi"*, Busto Arsizio(VA), Italy.

Academic Life

Academic Positions

- since 2011 **Assistant Professor (Ricercatore di ruolo confermato)**, at the Department of Electronics and Information of Politecnico di Milano, Milan, Italy.
- 2008-2011 **Assistant Professor (Ricercatore di ruolo)**, at the Department of Electronics and Information of Politecnico di Milano, Milan, Italy.
- 2006-2008 **Research Assistant**, *research program "Metodi e strumenti per il progetto di sistemi affidabili e per la progettazione cooperativa in ambienti distribuiti su rete"*, at the Department of Electronics and Information of Politecnico di Milano, Milan, Italy.
- 2005-2006 **Research Assistant**, *research program "Progettazione e realizzazione di un sistema basato su regole sfumate per il controllo di attuatori industriali"*, at the Department of Electronics and Information of Politecnico di Milano, Milan, Italy.
- 2004-2005 **Research Assistant**, *research program "Sviluppo di metodologie e strumenti per la costruzione di comunit'a di agenti fisici mobili e fissi, con riguardo particolare alla modellazione del mondo, alle architetture degli agenti e dell'agenzia e all'adattamento ad ambienti inattesi"*, at the Department of Electronics and Information of Politecnico di Milano, Milan, Italy.
- 2001-2004 **PhD Student**, *Information Engineering program*, at the Department of Electronics and Information of Politecnico di Milano, Milan, Italy.
- 2000 **Research Assistant**, *research program "Sviluppo di metodologie per la localizzazione di robot mobili"*, at the Dipartimento di Informatica Sistemica e Comunicazione of Università degli Studi di Milano - Bicocca, Milan, Italy.

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Academic Roles and Affiliations

- since 2014 **Member of “Commissione Selezione Bandi Didattica Integrativa”**, for the Computer Engineering track of Politecnico di Milano.
- since 2013 **Member of “Giunta di Dipartimento”**, Department of Electronics, Information and Bioengineering of Politecnico di Milano.
- since 2001 **Member of the Artificial Intelligence and Robotics lab**, Department of Electronics, Information and Bioengineering of Politecnico di Milano.

Honors, Awards, Grants

- 2013 **NIPS Reviewer Award**, (100 awards out of 1120 reviewers).
- 2001 **PhD Scholarship**, granted by the Italian Ministry of Education, University and Research, Politecnico di Milano, Milan, Italy.

Teaching Activity

Lecturer

- since 2016 **Lecturer and coordinator**, *Laurea Specialistica course “Information Retrieval and Data Mining”*, for the Computer Engineering degree, Scuola di Ingegneria Industriale e dell'Informazione, Politecnico di Milano - Polo Regionale di Como.
- since 2015 **Lecturer and coordinator**, *Laurea Specialistica course “Machine Learning”*, for the Computer Engineering degree, Scuola di Ingegneria Industriale e dell'Informazione, Politecnico di Milano - Campus Leonardo.
- 2012 – 2014 **Lecturer and coordinator**, *PhD course “Reinforcement Learning”*, for the Computer Engineering degree, Scuola di Ingegneria Industriale e dell'Informazione, Politecnico di Milano - Polo Regionale di Como.
- 2006 – 2013 **Lecturer and coordinator**, *Laurea Specialistica course “Robotics”*, for the Computer Engineering degree, Scuola di Ingegneria Industriale e dell'Informazione, Politecnico di Milano - Polo Regionale di Como.
- 2008 – 2009 **Lecturer and coordinator**, *Laurea course “Progetto di Informatica”*, for the Computer Engineering degree, Scuola di Ingegneria Industriale e dell'Informazione, Politecnico di Milano - Campus Leonardo.
- 2007 – 2008 **Lecturer and coordinator**, *Laurea course “Informatica 3”*, for the Computer Engineering degree, Scuola di Ingegneria Industriale e dell'Informazione, Politecnico di Milano - Campus Leonardo.
- 2004 – 2006 **Lecturer and coordinator**, *Laurea Specialistica course “Laboratorio di Intelligenza Artificiale e Robotica”*, for the Computer Engineering degree, Scuola di Ingegneria Industriale e dell'Informazione, Politecnico di Milano - Campus Leonardo.
- 2003 – 2006 **Lecturer and coordinator**, *Laurea course “Progetto di Informatica Industriale e Robotica”*, for the Computer Engineering degree, Scuola di Ingegneria Industriale e dell'Informazione, Politecnico di Milano - Campus Leonardo.

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Teaching Assistant

- since 2015 **Teaching Assistant**, *Laurea Specialistica course "Artificial Intelligence"*, for the Computer Engineering degree, Scuola di Ingegneria Industriale e dell'Informazione, Politecnico di Milano - Campus Leonardo.
- since 2013 **Teaching Assistant**, *Laurea Specialistica course "Internet Monetization"*, for the Computer Engineering degree, Scuola di Ingegneria Industriale e dell'Informazione, Politecnico di Milano - Polo Regionale di Como.
- since 2001 **Teaching Assistant**, *Laurea course "Informatica"*, for the Environmental Engineering degree, Facoltà di Ingegneria Civile, Ambientale e Territoriale, Politecnico di Milano - Campus Leonardo.
- 2013 – 2015 **Teaching Assistant**, *course "Robotics"*, for the Computer Engineering degree, Scuola di Ingegneria Industriale e dell'Informazione, Politecnico di Milano - Campus Leonardo.

Other Teaching Activities

- since 2013 **Tutor**, *Laurea course "Informatica"*, for the Environmental Engineering degree, Facoltà di Ingegneria Civile, Ambientale e Territoriale, Politecnico di Milano - Campus Leonardo.
- 2006 **Invited Seminar**, *course "Intelligenza artificiale e Robotica"*, for the "Sapere a tutto campo" program, Università Bocconi.
- 2000 **Tutor**, *Laurea course "Architetture degli Elaboratori"*, for the Computer science degree, Università degli Studi di Milano - Bicocca.

Supervision of Master's and PhD Students

Honors and Awards

- 2016 **Matteo Pirota**, *Honorable mention for the EurAI Distinguished Dissertation Award 2015 for his PhD Thesis.*
- 2016 **Matteo Pirota**, *Prize for Engineering and Technology from the Dimitri N. Chorafas Foundation for his PhD thesis.*
- 2014 **Daniele Calandriello**, *2014 AlxIA award for the best MSc thesis.*
- 2013 **Alessio Pecorino e Matteo Pirota**, *2013 AlxIA honorable mention for their MSc thesis.*

PhD Students

- since 2017 **Alberto Maria Metelli**, working on Learning MDP Configurations.
- since 2017 **Matteo Papini**, working on Policy Search Methods.
- since 2017 **Andrea Tirinzoni**, working on Transfer in Reinforcement Learning.
- since 2015 **Carlo D'Eramo**, working on Deep Reinforcement Learning.
- since 2014 **Davide Tateo**, *Co-Advised with Prof. Andrea Bonarini*, working on Reinforcement Learning techniques applied to Robot Games.
- 2012–2015 **Matteo Pirota**, *Co-Advised with Prof. Luca Bascetta*, "Reinforcement Learning: from Theory to Algorithms", Post-doc Researcher at INRIA Lille - Nord Europe, France.

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2005–2009 **Enrique Munoz de Cote**, *Co-Advised with Prof. Andrea Bonarini*, “Socially Driven Multiagent Learning”, Senior Machine Learning Scientist at PROWLER.io, Cambridge, UK.

2005–2008 **Alessandro Lazaric**, *Co-Advised with Prof. Andrea Bonarini*, “Knowledge Transfer in Reinforcement Learning”, Junior Researcher at INRIA Lille - Nord Europe, France.

[Master's Students](#)

since 2001 **I have supervised more than 80 master's theses.**

International Editorial Activities

[Editorial Activities for International Journals](#)

since 2016 **Editorial Board Member**, *Intelligenza Artificiale*, IOS Press.

[International Conference Senior Program Committee Member](#)

since 2017 **International Joint Conference on Artificial Intelligence (IJCAI).**

[International Conference Program Committee Member](#)

2012, 2016, 2017, 2018 **AAAI Conference on Artificial Intelligence (AAAI).**

2013 – 2016 **Advances in Neural Information and Processing (NIPS).**

2013–2016 **International Joint Conference on Artificial Intelligence (IJCAI).**

2016, 2017 **International Conference on Agents and Artificial Intelligence (ICAART).**

2007, 2008, 2013, 2015 **IEEE International Conference on Robotics and Automation (ICRA).**

2015, 2016 **European Workshop on Reinforcement Learning (EWRL).**

2013, 2014 **IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS).**

2011 **International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS).**

2008, 2010, 2012 **International Workshop on Evolutionary and Reinforcement Learning for Autonomous Robot Systems (ERLARS).**

2005–2010 **Annual RoboCup International Symposium.**

[Reviewer for International Journals and Magazines](#)

Annals of Operation Research.

Engineering Applications of Artificial Intelligence.

Fuzzy Sets and Systems.

IEEE Computational Intelligence Magazine.

IEEE Transactions on Automation Science and Engineering.

IEEE Transactions on Computational Intelligence and AI in Games.

IEEE Transactions on Mechatronics.

IEEE Transactions on Neural Networks and Learning Systems.

IEEE Transactions on Vehicular Technology.

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International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems.

Journal of Autonomous Agents and Multi-Agent Systems.

Journal of Hydroinformatics.

Journal of Machine Learning Research.

Journal of Water Resources Planning and Management.

Machine Learning Journal.

Neurocomputing.

Robotics and Autonomous Systems.

Swarm Intelligence.

Session Chair and Co-Chair

- 2011 **ADPRL 2011**, *Session on "Application of Reinforcement Learning"*, 2011 IEEE Symposium on Adaptive Dynamic Programming and Reinforcement Learning, Paris, France.
- 2005 **ICRA 2005**, *Session on "Contact Force Dynamics and Control"*, 2005 IEEE International Conference on Robotics and Automation, Barcelona, Spain.
- 2005 **ICRA 2005**, *Session on "Sensors"*, 2005 IEEE International Conference on Robotics and Automation, Barcelona, Spain.
- 2004 **IROS 2004**, *Session on "Sensing Devices and Principles in Localization"*, 2004 IEEE/RSJ International Conference on Intelligent Robots and Systems, Sendai, Japan.

Projects and Funding

Research Projects

- 2017-2019 **Principal Investigator**, *TOTAL EFFICIENCY 4.0*, (POR FESR), 165.000€.
- 2014-2015 **Investigator**, *PROACTIVE - PROtezione del territorio con infrAstrutture ICT avanzate, clttadinanza attiVa, e rEti sociali*, (POR FESR).
- 2012-2013 **Investigator**, *FIDELIO - Flxtureless DEburring of wheelS by human demonstra-tion*, (EU Project).
- 2004-2006 **Investigator**, *MEPOS: Optical measurement of position and size of wood panels for intelligent automation of sanding machines*, (EU Project).
- 2003-2005 **Investigator**, *MADSys: Multi-Agent Development System*, (MURST).

Industrial Projects and Contracts

- 2017 **Co-Principal Investigator (with L. Ferrarini, M. Matteucci, L. Piroddi)**, *Big Data Analytics for NPT prediction and operational efficiency*, Eni S.p.A., 20 months, 250.000€ + VAT.
- 2017 **Principal Investigator**, *Machine Learning for Tyre Wear Estimation*, Pirelli S.p.A., 3 months, 30,000€ + VAT.
- 2017 **Principal Investigator**, *Machine Learning for Calibration of XVA pricing moels*, Intesa San Paolo Group Service, 12 months, 60,000€ + VAT.

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- 2016 **Co-Principal Investigator (with N. Gatti)**, *An artificial intelligent systems for optimizing online advertising campaigns*, Mediamatic S.r.l., 18 months, 110,000€ + VAT.
- 2016 **Principal Investigator**, *Machine Learning for DVA Hedging*, Reply S.p.A., 6 months, 60,000€ + VAT.
- 2016 **Principal Investigator**, *Machine Learning for Swaption Calibration*, Intesa San Paolo Group Service, 7 months, 60,000€ + VAT.
- 2016 **Principal Investigator**, *Sviluppo di modelli fisici e computazionali per Cyber Tyre*, Pirelli S.p.A., 12 months, 170,000€ + VAT.
- 2014 **Co-Principal Investigator (with N. Gatti)**, *Sviluppo di un sistema di pricing automatico per la vendita di biglietti aerei*, Bravonext SA, 36 months, 520,000€.
- 2011 **Principal Investigator**, *Progettazione e sviluppo di algoritmi di apprendimento per il miglioramento del gradimento delle macchine da gioco*, Magic Dreams S.r.l., 5 months, 22,500€ + VAT.

Professional Activities

- 2012 **Computer Engineer**, *Development of a database and web interface for the selection, analysis and control of public announcements*, Consulta Regionale Lombarda degli Ordini degli Architetti Pianificatori Paesaggisti e Conservatori.
- 2006 **Scientific Consultant**, *Project "progettazione di software per sistemi robotici multi-agente con particolare riguardo a sistemi di percezione e di visione omni-direzionale da integrare a software specifici"*, IT+ROBOTICS Srl.
- 2001–2002 **Scientific Consultant**, *Project "Roby" announced by ASI within the European project GALILEO*.
- 2001 **Technical Reviewer**, *Italian translation of book "XHTML" by Chelsea Valentine and Chris Minnick*, Pearson Education Italia.
- 2000 **Special Research Contract**, *Project "Sviluppo di un algoritmo per la localizzazione di robot mobili"*, Università degli Studi di Milano - Bicocca, Milan, Italy.

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Full List of Publications

Articles in International Journals

- [A13] Nicola Gatti, Fabio Panozzo, and Marcello Restelli. “Extensive-form games with heterogeneous populations: solution concepts, equilibria characterization, learning dynamics”. In: *INTELLIGENZA ARTIFICIALE* 10.1 (2016), pp. 19–31. DOI: 10.3233/IA-160092.
- [A12] Giorgio Manganini, Matteo Pirota, Marcello Restelli, Luigi Piroddi, and Maria Prandini. “Policy Search for the Optimal Control of Markov Decision Processes: A Novel Particle-Based Iterative Scheme”. In: *IEEE TRANSACTIONS ON CYBERNETICS* 46.11 (2016), pp. 2643–2655. DOI: 10.1109/TCYB.2015.2483780.
- [A11] Simone Parisi, Matteo Pirota, and Marcello Restelli. “Multi-objective Reinforcement Learning through Continuous Pareto Manifold Approximation”. In: *JOURNAL OF ARTIFICIAL INTELLIGENCE RESEARCH* 57 (2016), pp. 187–227. DOI: 10.1613/jair.4961.
- [A10] Daniele Calandriello, Alessandro Lazaric, and Marcello Restelli. “Sparse multi-task reinforcement learning”. In: *INTELLIGENZA ARTIFICIALE* 9 (2015), pp. 5–20. DOI: 10.3233/IA-150080.
- [A9] Matteo Pirota, Marcello Restelli, and Luca Bascetta. “Policy gradient in Lipschitz Markov Decision Processes”. In: *MACHINE LEARNING* 100 (2015), pp. 255–283. DOI: 10.1007/s10994-015-5484-1.
- [A8] Andrea Castelletti, Francesca Pianosi, and Marcello Restelli. “A multiobjective reinforcement learning approach to water resources systems operation: Pareto frontier approximation in a single run”. In: *WATER RESOURCES RESEARCH* 49 (2013), pp. 3476–3486. DOI: 10.1002/wrcr.20295.
- [A7] Francesca Pianosi, Andrea Castelletti, and Marcello Restelli. “Tree-based fitted Q-iteration for multi-objective Markov decision processes in water resource management”. In: *JOURNAL OF HYDROINFORMATICS* 15 (2013), pp. 258–270. DOI: 10.2166/hydro.2013.169.
- [A6] Andrea Castelletti, Stefano Galelli, Marcello Restelli, and Rodolfo Soncini Sessa. “Data-driven dynamic emulation modelling for the optimal management of environmental systems”. In: *ENVIRONMENTAL MODELLING & SOFTWARE* 34 (2012), pp. 30–43. DOI: 10.1016/j.envsoft.2011.09.003.
- [A5] Andrea Castelletti, Stefano Galelli, Marcello Restelli, and Rodolfo Soncini Sessa. “Tree-based reinforcement learning for optimal water reservoir operation”. In: *WATER RESOURCES RESEARCH* 46.9 (2010), pp. 1–19. DOI: 10.1029/2009WR008898.
- [A4] Andrea Bonarini, Alessandro Lazaric, Francesco Montrone, and Marcello Restelli. “Reinforcement Distribution in Fuzzy Q-Learning”. In: *FUZZY SETS AND SYSTEMS* 160 (2009), pp. 1420–1443. DOI: 10.1016/j.fss.2008.11.026.
- [A3] Andrea Bonarini, Matteo Matteucci, and Marcello Restelli. “Learning Fuzzy Classifier Systems: Architecture and Exploration Issues”. In: *INTERNATIONAL JOURNAL ON ARTIFICIAL INTELLIGENCE TOOLS* 16.2 (2007), pp. 269–289.
- [A2] Andrea Bonarini, Matteo Matteucci, and Marcello Restelli. “Problems and Solutions for Anchoring in Multi-Robot Applications”. In: *JOURNAL OF INTELLIGENT AND FUZZY SYSTEMS* (2007), pp. 245–254.

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- [A1] Andrea Bonarini, Matteo Matteucci, and Marcello Restelli. “Concepts and Fuzzy Models for Behavior-based Robotics”. In: *INTERNATIONAL JOURNAL OF APPROXIMATE REASONING (IJAR)* 41.2 (2006), pp. 110–127.

Articles and Chapters in International Books

- [B3] Nicola Gatti, Alessandro Lazaric, and Marcello Restelli. “Agent-Mediated Electronic Commerce and Trading Agent Design and Analysis: AAMAS Workshop, AMEC 2008, Estoril, Portugal, May 12-16, 2008, and AAI Workshop, TADA 2008, Chicago, IL, USA, July 14, 2008, Revised Selected Papers”. In: ed. by Wolfgang Ketter, Han La Poutré, Norman Sadeh, Onn Shehory, and William Walsh. Berlin, Heidelberg: Springer Berlin Heidelberg, 2010. Chap. Towards Automated Bargaining in Electronic Markets: A Partially Two-Sided Competition Model, pp. 117–130. ISBN: 978-3-642-15237-5. DOI: 10.1007/978-3-642-15237-5_9.
- [B2] Alessandro Lazaric, Enrique Munoz de Cote, Fabio Dercole, and Marcello Restelli. “Adaptive Agents and Multi-Agent Systems III. Adaptation and Multi-Agent Learning: 5th, 6th, and 7th European Symposium, ALAMAS 2005-2007 on Adaptive and Learning Agents and Multi-Agent Systems, Revised Selected Papers”. In: ed. by Karl Tuyls, Ann Nowe, Zahia Guessoum, and Daniel Kudenko. Berlin, Heidelberg: Springer Berlin Heidelberg, 2008. Chap. Bifurcation Analysis of Reinforcement Learning Agents in the Selten’s Horse Game, pp. 129–144. ISBN: 978-3-540-77949-0. DOI: 10.1007/978-3-540-77949-0_10.
- [B1] Andrea Bonarini, Matteo Matteucci, and Marcello Restelli. “Software Engineering for Experimental Robotics”. In: ed. by Davide Brugali. Berlin, Heidelberg: Springer Berlin Heidelberg, 2007. Chap. MRT: Robotics Off-the-Shelf with the Modular Robotic Toolkit, pp. 345–364. ISBN: 978-3-540-68951-5. DOI: 10.1007/978-3-540-68951-5_20.

Articles in International Conferences and Workshops

- [C82] Alessandro Nuara, Francesco Trovò, Marcello Restelli, and Nicola Gatti. “A Combinatorial-bandit Algorithm for the Online Joint Bid/Budget Optimization of Pay-per-click Advertising Campaigns”. In: *Proceedings of the Thirty-Second AAI Conference on Artificial Intelligence*. **acceptance rate: 933/3800 (24.6%)**. 2018, pp. 2457–2463.
- [C81] Lorenzo Bisi, Giuseppe De Nittis, Francesco Trovò, Marcello Restelli, and Nicola Gatti. “Regret Minimization Algorithms for the Follower’s Behaviour Identification in Leadership Games”. In: *Proceedings of the International Conference on Uncertainty in Artificial Intelligence (UAI)*. **acceptance rate: 87/282 (30.9%)**. 2017, pp. 1–10.
- [C80] Carlo D’Eramo, Alessandro Nuara, Matteo Pirodda, and Marcello Restelli. “Estimating the Maximum Expected Value in Continuous Reinforcement Learning Problems”. In: *Proceedings of the Thirty-First AAI Conference on Artificial Intelligence, February 4-9, 2017, San Francisco, California, USA*. **acceptance rate: 638/2590 (24.6%)**. 2017, pp. 1840–1846.
- [C79] Edoardo Manino, Nicola Gatti, and Marcello Restelli. “Designing Learning Algorithms over the Sequence Form of an Extensive-Form Game”. In: *Proceedings of the 16th Conference on Autonomous Agents and MultiAgent Systems*. AAMAS ’17. 2017, pp. 1622–1624.
- [C78] Alberto Maria Metelli, Matteo Pirodda, and Marcello Restelli. “Compatible Reward Inverse Reinforcement Learning”. In: *Advances in Neural Information Processing Systems 30 (NIPS 2017)*. **acceptance rate: 678/3240 (20.9%)**. 2017.

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- [C77] Matteo Papini, Matteo Pirotta, and Marcello Restelli. “Adaptive Batch Size for Safe Policy Gradients”. In: *Advances in Neural Information Processing Systems 30 (NIPS 2017)*. **acceptance rate: 678/3240 (20.9%)**. 2017.
- [C76] D. Tateo, C. D’Eramo, A. Nuara, M. Restelli, and A. Bonarini. “Exploiting structure and uncertainty of Bellman updates in Markov decision processes”. In: *2017 IEEE Symposium Series on Computational Intelligence (SSCI)*. Nov. 2017, pp. 1–8. DOI: 10.1109/SSCI.2017.8280923.
- [C75] D. Tateo, M. Pirotta, M. Restelli, and A. Bonarini. “Gradient-based minimization for multi-expert Inverse Reinforcement Learning”. In: *2017 IEEE Symposium Series on Computational Intelligence (SSCI)*. Nov. 2017, pp. 1–8. DOI: 10.1109/SSCI.2017.8280919.
- [C74] Samuele Tosatto, Carlo D’Eramo, Matteo Pirotta, and Marcello Restelli. “Boosted Fitted Q-Iteration”. In: *Proceedings of the Thirty-Fourth International Conference on Machine Learning (ICML)*. **acceptance rate: 433/1701 (25.5%)**. PMLR, 2017, pp. 3434–3443.
- [C73] Francesco Trovò, Stefano Paladino, Paolo SImone, Marcello Restelli, and Nicola Gatti. “Risk-Averse Trees for Learning from Logged Bandit Feedback”. In: *Proceedings of the International Joint Conference on Neural Networks (IJCNN)*. 2017, pp. 1–8.
- [C72] Carlo D’Eramo, Alessandro Nuara, and Marcello Restelli. “Estimating Maximum Expected Value through Gaussian Approximation”. In: *Proceedings of the 33rd International Conference on Machine Learning (ICML)*. **acceptance rate: 322/1327 (24.2%)**. 2016, pp. 1032–1040.
- [C71] Nicola Gatti and Marcello Restelli. “Sequence-Form and Evolutionary Dynamics: Realization Equivalence to Agent Form and Logit Dynamics”. In: *Proceedings of the 30th AAAI Conference on Artificial Intelligence (AAAI)*. **acceptance rate: 549/2132 (25.8%)**. 2016, pp. 509–515.
- [C70] Alessio Pagani, Francesco Bruschi, Vincenzo Rana, and Marcello Restelli. “Reconstruction of public transport state”. In: *19th IEEE International Conference on Intelligent Transportation Systems, ITSC 2016, Rio de Janeiro, Brazil, November 1-4, 2016*. IEEE, 2016, pp. 2285–2292.
- [C69] Matteo Pirotta and Marcello Restelli. “Inverse Reinforcement Learning through Policy Gradient Minimization”. In: *Proceedings of the 30th AAAI Conference on Artificial Intelligence (AAAI)*. **acceptance rate: 549/2132 (25.8%)**, **oral presentation: 263/2132 (12.3%)**. 2016, pp. 1993–1999.
- [C68] Francesco Trovò, Stefano Paladino, Marcello Restelli, and Nicola Gatti. “Budgeted Multi-Armed Bandit in Continuous Action Space”. In: *ECAI 2016 - 22nd European Conference on Artificial Intelligence, 29 August-2 September 2016, The Hague, The Netherlands - Including Prestigious Applications of Artificial Intelligence (PAIS 2016)*. Vol. 285. Frontiers in Artificial Intelligence and Applications. IOS Press, 2016, pp. 560–568.
- [C67] Amir Ghalamzan, Luca Bascetta, Marcello Restelli, and Paolo Rocco. “Estimating a mean-path from a set of 2-D curves”. In: *Proceedings of the IEEE International Conference on Robotics and Automation (ICRA 2015)*. 2015, pp. 2048–2053. DOI: 10.1109/ICRA.2015.7139467.
- [C66] Giorgio Manganini, Matteo Pirotta, Marcello Restelli, and Luca Bascetta. “Following Newton direction in Policy Gradient with parameter exploration”. In: *Proceedings of the International Joint Conference on Neural Networks (IJCNN)*. Institute of Electrical and Electronics Engineers Inc., 2015, pp. 1–8. DOI: 10.1109/IJCNN.2015.7280673.

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- [C65] Matteo Pirotta, Simone Parisi, and Marcello Restelli. “Multi-objective reinforcement learning with continuous pareto frontier approximation”. In: *Proceedings of the 29th AAAI Conference on Artificial Intelligence (AAAI)*. **acceptance rate: 531/1991 (26.7%)**. AI Access Foundation, 2015, pp. 2928–2934.
- [C64] Daniele Calandriello, Alessandro Lazaric, and Marcello Restelli. “Sparse Multi-Task Reinforcement Learning”. In: *Advances in Neural Information Processing Systems 27: Annual Conference on Neural Information Processing Systems (NIPS) 2014, December 8-13 2014, Montreal, Quebec, Canada*. **acceptance rate: 414/1678 (24.7%)**. 2014, pp. 819–827.
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