

# Marco Mussi | Postdoctoral Researcher

✉ marco.mussi@polimi.it • 🌐 marcomussi.github.io • in marcomussi95  
📍 marcomussi • 📞 0000-0001-8356-6744

## Summary

I am a Postdoctoral Researcher with the Dipartimento di Elettronica, Informazione e Bioingegneria, in the Artificial Intelligence and Robotic Laboratory of Politecnico di Milano. I received the Doctor of Philosophy in Information Technology (with honors) at Politecnico di Milano in June 2024, supervised by Professor Marcello Restelli. My main research topics revolve around artificial intelligence and machine learning, focusing on online learning and reinforcement learning both from theoretical and applicative perspectives. I have contributed to several industrial research projects funded by both private and public Italian companies.

## Highlights

- Postdoctoral Researcher at DEIB, Politecnico di Milano, since June 2024.
- Author of 4 publications in peer-reviewed international journals (all Q1 and all as main contributor). Author of 9 publications in peer-reviewed international conferences (6 as main contributor), including ICML (5), NeurIPS (1), KDD (1), and AISTATS (1). According to Core Conference Rating: 7 publications in A\* venues and 1 publication in A venues. Author of 8 publications in peer-reviewed international workshops.
- Two *Spotlights* at ICML 2024 (A\* Core, 335/9473 submissions – top 3.5%), one *Oral* at KDD 2022 (A\* Core, 54/753 submissions – top 7%).
- Teaching Assistant of the B.Sc. course of Computer Science (Civil Engineering) and Laboratory Teaching Assistant of the B.Sc. course of Computer Science (Mechanical Engineering) at Politecnico di Milano.
- Co-organizer of the 15th European Workshop on Reinforcement Learning (EWRL 2022).
- Program Committee member of NeurIPS, ICML, AAAI, ICLR, AISTATS, and several workshops. Reviewer for Machine Learning (Springer), Transactions on Neural Networks and Learning Systems (IEEE), Robotics and Automation Letters (IEEE), and Engineering Applications of Artificial Intelligence (Elsevier).
- Participation in several industrial research projects funded by private companies.
- Participation in the competitive research project AI4REALNET funded by the European Union.

## Education

### Ph.D. in Information Technology (Dottorato di Ricerca)

Politecnico di Milano - Dipartimento di Elettronica, Informazione e Bioingegneria

Milano  
Nov 2020 – Oct 2023

Focus on Reinforcement Learning and Online Learning

Supervisor: Prof. Marcello Restelli

Co-supervisor: Prof. Alberto Maria Metelli

Tutor: Prof. Nicola Gatti

Industrial Partner: ML cube

Date of Award: 27 June 2024

Final Mark: Laude

### M.Sc. in Computer Science and Engineering (LM-32 Ingegneria Informatica)

Politecnico di Milano

Milano  
Sep 2017 – Dec 2019

Main focus: Artificial Intelligence and Machine Learning

Scholarship: Tuition waiver for high academic performance

Master thesis: *Improving Aerodynamic Load Estimation Algorithms for F1 Racing Cars*

Supervisor: Prof. Marcello Restelli

Industrial Partner: Scuderia Ferrari F1

Final Mark: 107/110

### B.Sc. in Engineering of Computing Systems (L-8 Ingegneria dell'Informazione)

Politecnico di Milano

Milano  
Sep 2014 – Jul 2017

Final Mark: 103/110

## High School Diploma in Computer Science (Perito Informatico)

IIS Galileo Galilei  
Final Mark: 96/100

Crema

Sep 2008 – Jul 2014

## Experience

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### Academic

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#### Postdoctoral Researcher (Assegno di Ricerca)

Politecnico di Milano

Supervisor: Prof. Marcello Restelli

Milano

Jun 2024 – now

#### Research Assistant (Assegno di Ricerca)

Politecnico di Milano

Supervisor: Prof. Marcello Restelli

Milano

Jan 2020 – Oct 2020

### Professional

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#### Research Scientist

ML cube

Goal: develop algorithms for dynamic pricing and advertising optimization

Milano

Nov 2020 – Jun 2024

## Languages

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**Italian:** Mother Tongue

**English:** Excellent

## Industrial Projects

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#### AD cube Marketing Mix Model

Collaboration with a Politecnico di Milano's spin-off

Focus: Budget optimization in advertising, considering advertising campaigns interactions

Milano

Nov 2022 – Jun 2024

#### Data-driven Optimization Marketing Mix Models for Advertising

Collaboration with an Italian marketing agency

Focus: Implementation of a MMM to solve the attribution problem in digital advertising in contexts with scarce and noisy data

Milano

Feb 2022 – Aug 2022

#### Dynamic Pricing for E-commerce

Collaboration with an Italian e-commerce

Focus: Implementation of a dynamic pricing model for an e-commerce website managing over 20000 products

Milano

Feb 2021 – May 2022

#### AD cube Product Release

Collaboration with a Politecnico di Milano's spin-off

Focus: Release of AD cube, a product for advertising optimization in online campaigns

Milano

Nov 2020 – Feb 2022

#### Last-mile Delivery Optimization

Collaboration with a last-mile delivery company

Focus: Delivery allocation using Reinforcement Learning and bikers load estimation using Supervised Learning techniques

Milano

May 2020 – Oct 2020

#### Reinforcement Learning in Smart-grids

Collaboration with an Energy Research Center

Focus: Exploit Reinforcement Learning solutions to preserve the battery State of Health in smart-grids

Milano

Feb 2020 – Oct 2022

## European Projects

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#### AI4REALNET

Part of the team for the development of foundational algorithms

Focus: The scope of AI4REALNET covers the perspective of AI-based solutions addressing critical systems (electricity, railway, and air traffic management) modeled by networks that can be simulated, and are traditionally operated by humans, and where AI systems complement and augment human abilities. It has two main strategic goals: (i) to develop the next generation of decision-making methods powered by supervised and reinforcement learning, which aim at trustworthiness in AI-assisted human control with augmented cognition, hybrid human-AI co-learning and autonomous AI, with the resilience, safety, and security of critical infrastructures as core requirements, and (ii) to boost the development and validation of novel AI algorithms, by the consortium and AI community, through existing open-source digital environments capable of emulating realistic scenarios of physical systems operation and human decision-making.

Politecnico di Milano

Oct 2023 – now

## Master Thesis

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**Title:** *Improving Aerodynamic Load Estimation Algorithms for F1 Racing Cars*

**Supervisor:** Prof. Marcello Restelli

**Industrial Partner:** Scuderia Ferrari F1

**Short Abstract:** The thesis studies the aerodynamic behavior of Formula One cars, aiming to develop effective methodologies for the estimation of aerodynamic forces on the vehicle. Using data-driven techniques coming from the Machine Learning field that exploits the data gathered during the wind tunnel tests, and the measurements from a small set of pressure sensors, this work allows to reconstruct the pressure profile of the entire car. Moreover, this work proposes a method to aggregate the data coming from a set of wind tunnel test, to better generalize the aerodynamic load estimation over newly seen aerodynamic configurations.

## Ph.D. Thesis

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**Title:** *Online Learning Methods for Pricing and Advertising*

**Supervisor:** Prof. Marcello Restelli

**Short Abstract:** Nowadays, when it comes to selling a product online, two of the most significant factors are the pricing strategy and the investments in advertising. When determining the price of a product, it is essential to strike a balance. The price should neither be set too low, as this would result in a reduced revenue from the single sale, nor too high, as it may deter potential buyers. The amount of money we invest in advertising should be balanced to let people know our offer without overspending or reaching people who are not interested. These two aspects are usually handled disjointedly by humans, but this, even if we proceed to optimize for the two components individually, may lead to a suboptimal solution. This work focuses on the adoption of online learning to solve the task of finding the optimal price for a product and how to advertise it properly, offering both theoretical frameworks and practical solutions for addressing the associated challenges.

## Teaching

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### Teaching Assistant – Lecturer for the Exercise Sessions

**24 Hours**

*Course of Foundations of Computer Science – Politecnico di Milano*

*Feb 2025 – Jun 2025*

Exercise sessions mainly on C and Fortran programming languages.

B.Sc. in Civil Engineering – Milano Leonardo Campus.

A.Y. 2024-25. II semester. ~150 students. 6 CFU.

Lecturer: Prof. Alberto Maria Metelli.

Course delivered in English.

### Laboratory Teaching Assistant

**15 Hours**

*Course of Computer Science (Informatica B) – Politecnico di Milano*

*Sep 2024 – Dec 2024*

Laboratory sessions on C and MATLAB programming languages.

B.Sc. in Mechanical Engineering – Milano Bovisa Campus.

A.Y. 2024-25. I semester. ~280 students. 7 CFU.

Lecturer: Prof. Francesco Trovó.

Course delivered in Italian.

### Teaching Assistant – Lecturer for the Exercise Sessions

**24 Hours**

*Course of Foundations of Computer Science – Politecnico di Milano*

*Feb 2024 – Jun 2024*

Exercise sessions mainly on C and Fortran programming languages.

B.Sc. in Civil Engineering – Milano Leonardo Campus.

A.Y. 2023-24. II semester. ~100 students. 6 CFU.

Lecturer: Prof. Alberto Maria Metelli.

Course delivered in English.

### Academic Tutor

**30 Hours**

*Master in Artificial Intelligence and Machine Learning – Cefriel & Politecnico di Milano* *Sep 2022 – Jul 2023*

Supervision of a team in the application of Reinforcement Learning algorithms to real-world control problems.

Tutoring delivered in Italian.

## Organization of International Events

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### European Workshop on Reinforcement Learning

**Milano**

*Communication Chair*

Communication Chair for the 15<sup>th</sup> edition of the European Workshop on Reinforcement Learning (EWRL) 2022

## Seminars

### AI4REALNET Dissemination Webinar

*Distributed and Hierarchical Reinforcement Learning*

AI4REALNET Consortium

24 April 2024

### DEIB Seminar

*An introduction to Reinforcement Learning in Real World*

Politecnico di Milano

3 September 2021

### RSE Academy Seminar

*A Data-Driven Method for State of Charge Estimation*

Ricerca Sistema Energetico

23 October 2020

## Publications

### International Conferences

- [C1] Alessandro Montenegro, [Marco Mussi](#), Matteo Papini and Alberto Maria Metelli. Last-Iterate Global Convergence of Policy Gradients for Constrained Reinforcement Learning. *Advances in Neural Information Processing Systems (NeurIPS)*, 2024. (A\* Core Ranking - 4039/15671, Acceptance rate 25.8%)
- [C2] [Marco Mussi](#)<sup>\*</sup>, Simone Drago<sup>\*</sup>, Marcello Restelli and Alberto Maria Metelli. Factored-Reward Bandits with Intermediate Observations. *Proceedings of the 41st International Conference on Machine Learning (ICML)*, 2024. (A\* Core Ranking - 2609/9473, Acceptance rate 27.5%)
- [C3] [Marco Mussi](#), Alessandro Montenegro, Francesco Trovò, Marcello Restelli and Alberto Maria Metelli. Best Arm Identification for Stochastic Rising Bandits. *Proceedings of the 41st International Conference on Machine Learning (ICML)*, 2024. (A\* Core Ranking - Spotlight - 335/9473, top 3.5%)
- [C4] Alessandro Montenegro, [Marco Mussi](#), Alberto Maria Metelli and Matteo Papini. Learning Optimal Deterministic Policies with Stochastic Policy Gradients. *Proceedings of the 41st International Conference on Machine Learning (ICML)*, 2024. (A\* Core Ranking - Spotlight - 335/9473, top 3.5%)
- [C5] Gianmarco Genalti, [Marco Mussi](#), Nicola Gatti, Marcello Restelli, Matteo Castiglioni and Alberto Maria Metelli. Graph-Triggered Rising Bandits. *Proceedings of the 41st International Conference on Machine Learning (ICML)*, 2024. (A\* Core Ranking - 2609/9473, Acceptance rate 27.5%)
- [C6] Francesco Bacchiocchi<sup>\*</sup>, Gianmarco Genalti<sup>\*</sup>, Davide Maran<sup>\*</sup>, [Marco Mussi](#)<sup>\*</sup>, Marcello Restelli, Nicola Gatti and Alberto Maria Metelli. Autoregressive Bandits. *Proceedings of the 27th International Conference on Artificial Intelligence and Statistics (AISTATS)*, 2024. (A Core Ranking - 546/1980, Acceptance rate 27.6%)
- [C7] [Marco Mussi](#), Alberto Maria Metelli and Marcello Restelli. Dynamical Linear Bandits. *Proceedings of the 40th International Conference on Machine Learning (ICML)*, 2023. (A\* Core Ranking - 1827/6538, Acceptance rate 27.9%)
- [C8] [Marco Mussi](#)<sup>\*</sup>, Gianmarco Genalti<sup>\*</sup>, Alessandro Nuara, Francesco Trovò, Nicola Gatti and Marcello Restelli. Dynamic Pricing with Volume Discounts in Online Settings. *Proceedings of the Thirty-Fifth Conference on Innovative Applications of Artificial Intelligence (IAAI)*, 2023. AAAI. Innovative Application of AI Award.
- [C9] [Marco Mussi](#), Gianmarco Genalti, Francesco Trovò, Alessandro Nuara, Nicola Gatti and Marcello Restelli. Pricing the Long Tail by Explainable Product Aggregation and Monotonic Bandits. *Proceedings of the 28th ACM SIGKDD Conference on Knowledge Discovery and Data Mining*, 2022. (A\* Core Ranking - Oral Presentation - 54/753, top 7%)

### Journals

- [J1] [Marco Mussi](#), Luigi Pellegrino, Oscar Francesco Pindaro, Marcello Restelli and Francesco Trovò. A Reinforcement Learning Controller Optimizing Costs and Battery State of Health in Smart Grids. *Journal of Energy Storage*, 82, 2024. (Q1 Scimago)
- [J2] [Marco Mussi](#), Davide Lombarda, Alberto Maria Metelli, Francesco Trovò and Marcello Restelli. ARLO: A Framework for Automated Reinforcement Learning. *Expert Systems with Applications*, 224, 2023. (Q1 Scimago)
- [J3] [Marco Mussi](#), Luigi Pellegrino, Marcello Restelli and Francesco Trovò. An Online State of Health Estimation Method for Lithium-Ion Batteries based on Time Partitioning and Data-Driven Model Identification. *Journal of Energy Storage*, 55, 2022. (Q1 Scimago)

- [J4] [Marco Mussi](#), Luigi Pellegrino, Marcello Restelli and Francesco Trovó. A voltage dynamic-based state of charge estimation method for batteries storage systems. *Journal of Energy Storage*, 44, 2021. (Q1 Scimago)

## Workshops

- [W1] Gianvito Losapio, Davide Beretta, [Marco Mussi](#), Alberto Maria Metelli and Marcello Restelli. State and Action Factorization in Power Grids. Workshop on Machine Learning for Sustainable Power Systems at the European Conference on Machine Learning (ECML), 2024.
- [W2] Simone Drago and [Marco Mussi](#). Open Problem: Tight Bounds for Bernoulli Rewards in Kernelized Multi-Armed Bandits. Workshop on Aligning Reinforcement Learning Experimentalists and Theorists at the International Conference on Machine Learning (ICML), 2024.
- [W3] Simone Drago, [Marco Mussi](#), Marcello Restelli and Alberto Maria Metelli. Intermediate Observations in Factored-Reward Bandits. Adaptive and Learning Agents Workshop at the International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS), 2024.
- [W4] Francesco Bacchiocchi\*, Gianmarco Genalti\*, Davide Maran\*, [Marco Mussi](#)\*, Marcello Restelli, Nicola Gatti and Alberto Maria Metelli. Online Learning in Autoregressive Dynamics. European Workshop on Reinforcement Learning (EWRL), 2023.
- [W5] Alessandro Montenegro, [Marco Mussi](#), Francesco Trovó, Marcello Restelli and Alberto Maria Metelli. Stochastic Rising Bandits: A Best Arm Identification Approach. European Workshop on Reinforcement Learning (EWRL), 2023.
- [W6] Alessandro Montenegro, [Marco Mussi](#), Francesco Trovó, Marcello Restelli and Alberto Maria Metelli. A Best Arm Identification Approach for Stochastic Rising Bandits. Workshop on New Frontiers in Learning, Control, and Dynamical Systems at International Conference of Machine Learning (ICML), 2023.
- [W7] Gianmarco Genalti, [Marco Mussi](#), Alessandro Nuara and Nicola Gatti. Dynamic Pricing with Online Data Aggregation and Learning. European Workshop on Reinforcement Learning (EWRL), 2022. (Oral Presentation - 10/96)
- [W8] [Marco Mussi](#), Alberto Maria Metelli and Marcello Restelli. Dynamical Linear Bandits for Long-Lasting Vanishing Rewards. Complex Feedback in Online Learning Workshop at International Conference of Machine Learning (ICML), 2022.

## Technical Reports

- [T1] [Marco Mussi](#), Gianvito Losapio, Alberto Maria Metelli, Marcello Restelli, Ricardo Bessa, Antoine Marot, Daniel Boos, Clark Borst, Alberto Castagna, Duarte Dias, Adrian Egli, Andrina Eisenegger, Yassine El Manyari, Anton Fuxjäger, Samira Hamouche, Mohamed Hassouna, Bruno Lemetayer, Roman Liessner, Jonas Lundberg, Manuel Schneider, Irene Sturm, Julia Usher, Herke Van Hoof, Jan Viebahn, Toni Wäfler. Position paper on AI for the operation of critical energy and mobility network infrastructures. AI4REALNET, 2024.

## Preprints and Under Review

- [R1] [Marco Mussi](#), Simone Drago and Alberto Maria Metelli. Open Problem: Tight Bounds for Kernelized Multi-Armed Bandits with Bernoulli Rewards. arXiv preprint, arXiv:2407.06321. 2024.
- [R2] Gianmarco Genalti, [Marco Mussi](#), Nicola Gatti, Marcello Restelli, Matteo Castiglioni and Alberto Maria Metelli. Bridging Rested and Restless Bandits with Graph-Trigging: Rising and Rotting. arXiv preprint, arXiv:2409.05980. 2024.
- [R3] [Marco Mussi](#) and Alberto Maria Metelli. Generalizing the Regret: an Analysis of Lower and Upper Bounds. 2024.
- [R4] [Marco Mussi](#)\*, Simone Drago\*, Marcello Restelli and Alberto Maria Metelli. Factored-Reward Bandits with Intermediate Observations: Regret Minimization and Best Arm Identification. 2024.
- [R5] Federico Corso, Riccardo Zamboni, [Marco Mussi](#), Marcello Restelli and Alberto Maria Metelli. No-regret Learning with Revealed Transitions in Adversarial Markov Decision Processes. 2024.
- [R6] [Marco Mussi](#), Alberto Maria Metelli, Marcello Restelli, Gianvito Losapio, Ricardo Jorge Bessa, Daniel Boos, Clark Borst, Alberto Castagna, Ricardo Chavarriga, Duarte Dias, Adrian Egli, Andrina Eisenegger, Yassine El Manyari, Anton Fuxjäger, Joaquim Galdes, Samira Hamouche, Mohamed Hassouna, Bruno Lemetayer,

Milad Leyli-Abadi, Roman Liessner, Jonas Lundberg, Antoine Marot, Maroua Meddeb, Viola Schiaffonati, Manuel Schneider, Thilo Stadelmann, Julia Usher, Herke van Hoof, Jan Viebahn, Toni Waefler, Giacomo Zanotti. Human-AI Interaction in Safety-Critical Network Infrastructures. 2025.

## In Preparation.....

- [P1] Simone Drago, [Marco Mussi](#) and Alberto Maria Metelli. Regret Bounds for Reinforcement Learning: Constants Matter. 2024.
- [P2] [Marco Mussi](#), Andrea Cerasani, Alessandro Lavelli and Marcello Restelli. Online Dynamic Pricing of Complementary Goods.
- [P3] [Marco Mussi](#), Alberto Maria Metelli and Marcello Restelli. Efficient Approximated Gaussian Processes with Clustered Samples.
- [P4] Simone Drago\*, [Marco Mussi](#)\* and Alberto Maria Metelli. Sleeping Reinforcement Learning.
- [P5] Simone Drago, [Marco Mussi](#) and Alberto Maria Metelli. A Comprehensive Study of Preference-Based Learning.
- [P6] Alberto Maria Metelli, Valentina Abbattista and [Marco Mussi](#). Online Learning for PID Controllers.
- [P7] Alberto Maria Metelli, Simone Drago and [Marco Mussi](#). Kernelized Multi-Armed Bandits with Bernoulli Rewards.
- [P8] Gianmarco Tedeschi, [Marco Mussi](#), Alberto Maria Metelli and Marcello Restelli. Open-Closed Loop Planning.
- [P9] Alessandro Montenegro, Leonardo Cesani, [Marco Mussi](#), Matteo Papini and Alberto Maria Metelli. Deterministic Policy Gradients with Constraints.
- [P10] Alessandro Montenegro, [Marco Mussi](#), Matteo Papini and Alberto Maria Metelli. Deterministic Policy Gradients with Adaptive Variance.
- [P11] Alessandro Montenegro, Federico Mansutti, [Marco Mussi](#), Matteo Papini and Alberto Maria Metelli. Sample Reuse for Policy Gradients.
- [P12] Gianvito Losapio, Davide Beretta, [Marco Mussi](#), Alberto Maria Metelli and Marcello Restelli. MDPs Factorization using Mutual Information.
- [P13] Gianvito Losapio, Giacomo Cartechini, [Marco Mussi](#), Alberto Maria Metelli and Marcello Restelli. Hierarchy of Agents in Reinforcement Learning.

## M.Sc. Students Co-supervision

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- [1] Gianmarco Genalti - "A Multi-Armed Bandit Approach to Dynamic Pricing". Co-supervision. Supervisor: Prof. Nicola Gatti (M.Sc. in Mathematical Engineering, Dec 2021)
- [2] Amedeo Cavallo - "A Combinatorial Multi-Armed Bandit Approach to Online Advertising Budget Optimization". Co-supervision. Supervisor: Prof. Marcello Restelli (M.Sc. in Computer Science and Engineering, Dec 2021)
- [3] Oscar Francesco Pindaro - "Controlling Lithium-Ion Batteries Through Reinforcement Learning". Co-supervision. Supervisor: Prof. Marcello Restelli (M.Sc. in Computer Science and Engineering, Apr 2022)
- [4] Davide Lombarda - "Towards Automated Reinforcement Learning". Co-supervision. Supervisor: Prof. Marcello Restelli (M.Sc. in Mathematical Engineering, Apr 2022)
- [5] Thomas Petrone - "Hidden Markov Model for Single User Response Prediction in Digital Advertising Campaigns". Co-supervision. Supervisor: Prof. Marcello Restelli (M.Sc. in Mathematical Engineering, Jul 2022)
- [6] Alessandro Montenegro - "Best Model Selection via Stochastic Rising Bandits". Co-supervision. Supervisor: Prof. Alberto Maria Metelli (M.Sc. in Computer Science and Engineering, May 2023)
- [7] Andrea d'Silva - "Integrating Behavioral Cloning into a Reinforcement Learning pipeline". Co-supervision. Supervisor: Prof. Francesco Trovò (M.Sc. in Computer Science and Engineering, May 2023)
- [8] Francesco Gonzales - "Stochastic Linear Bandit with Global-Local Structure". Co-supervision. Supervisor: Prof. Francesco Trovò (M.Sc. in Computer Science and Engineering, May 2023)



- [9] Vittorio Arianna - "Multi-Armed Bandits for Joint Pricing and Advertising". Co-supervision. Supervisor: Prof. Nicola Gatti (M.Sc. in Computer Science and Engineering, Oct 2023)
- [10] Marco Bonalumi - "An Online Learning Algorithm for Real-time Bidding". Co-supervision. Supervisor: Prof. Marcello Restelli (M.Sc. in Computer Science and Engineering, Dec 2023)
- [11] Alessandro Contù - "Budget Optimization in Marketing Mix Models". Co-supervision. Supervisor: Prof. Francesco Trovò (M.Sc. in Computer Science and Engineering, Dec 2023)
- [12] Andrea Cerasani - "An Online Dynamic Pricing Algorithm for Complementary Products". Co-supervision. Supervisor: Prof. Marcello Restelli (M.Sc. in Computer Science and Engineering, Dec 2023)
- [13] Federico Corso - "Smoothed OMD: an Algorithm for No-regret Learning in Adversarial MDPs with Revealed Transitions". Co-supervision. Supervisor: Prof. Alberto Maria Metelli (M.Sc. in Automation and Control Engineering, Jul 2024)
- [14] Davide Beretta - "Distributed Reinforcement Learning for Power Grid Operations". Co-supervision. Supervisor: Prof. Marcello Restelli (M.Sc. in Computer Science and Engineering, Oct 2024)
- [15] Valentina Abbattista - "Online Learning for PID Controller Tuning". Co-supervision. Supervisor: Prof. Alberto Maria Metelli (M.Sc. in Computer Science and Engineering, Oct 2024)
- [16] Giacomo Cartechini - "Distributed Reinforcement Learning for Large-Scale Networks". Co-supervision. Supervisor: Prof. Marcello Restelli (M.Sc. in Computer Science and Engineering, Dec 2024)
- [17] Federico Mansutti. Co-supervision. (M.Sc. in Computer Science and Engineering, in progress)
- [18] Fabio Patella. Co-supervision. (M.Sc. in Computer Science and Engineering, in progress)
- [19] Leonardo Cesani. Co-supervision. (M.Sc. in Computer Science and Engineering, in progress)
- [20] Cristiano Migali. Co-supervision. (M.Sc. in Computer Science and Engineering, in progress)
- [21] Carlo Fabrizio. Co-supervision. (M.Sc. in Computer Science and Engineering, in progress)

## Other Academic Activities

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### Reviewer Activities

#### Reviewer for International Conferences:

- Neural Information Processing Systems (NeurIPS)
- International Conference on Machine Learning (ICML)
- International Conference on Learning Representations (ICLR)
- International Conference on Artificial Intelligence and Statistics (AISTATS)
- AAAI Conference on Artificial Intelligence (AAAI)
- International Conference on Automated Machine Learning (AutoML)

#### Reviewer for International Journals:

- Springer - Machine Learning (Q1)
- IEEE - Transactions on Neural Networks and Learning Systems (Q1)
- IEEE - Robotics and Automation Letters (Q1)
- Elsevier - Engineering Applications of Artificial Intelligence (Q1)

#### Reviewer for International Workshops:

- European Workshop on Reinforcement Learning (EWRL)
- AutoRL @ ICML 2024
- ARLET @ ICML 2024

## Participation to International Conferences and Workshops.....

- International Conference on Machine Learning - ICML 2024  
Vienna, Austria. July 2024.
- International Conference on Artificial Intelligence and Statistics - AISTATS 2024  
Valencia, Spain. May 2024.
- European Workshop on Reinforcement Learning - EWRL 2023  
Brussels, Belgium. September 2023.
- International Conference on Machine Learning - ICML 2023  
Honolulu, Hawaii, USA. July 2023.
- European Workshop on Reinforcement Learning - EWRL 2022  
Milan, Italy. September 2022.
- ACM International Conference on Knowledge Discovery and Data Mining - KDD 2022  
Washington D.C., USA. August 2022.
- International Conference on Machine Learning - ICML 2022  
Baltimore, Maryland, USA. July 2022.

## Participation to Summer Schools.....

- Reinforcement Learning Summer School - RLSS 2023  
Barcelona, Spain. June 2023.
- DeepLearn Summer School - DeepLearn 2021  
Virtual. July 2021.

Last update: January 10<sup>th</sup>, 2025

Autorizzo al trattamento dati ai sensi del GDPR 2016/679 del 27 aprile 2016 (Regolamento Europeo relativo alla protezione delle persone fisiche per quanto riguarda il trattamento dei dati personali).

Il sottoscritto, Marco Mussi, consapevole delle sanzioni penali previste dall'art. 76 T.U. N. 445 del 28.12.2000 sulle disposizioni legislative e regolamentari in materia di documentazione amministrativa, nel caso di mendaci dichiarazioni, o esibizione di atti falsi o contenenti dati non rispondenti a verità, dichiara sotto la propria responsabilità che quanto sopra riportato risponde a verità.

Autorizzo la pubblicazione del Curriculum Vitae sul sito istituzionale del Politecnico di Milano (sez. Amministrazione Trasparente) in ottemperanza al D. Lgs n. 33 del 14 marzo 2013 (e s.m.i.).