Giulia Romano

Ph.D. Student in Artificial Intelligence

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in giuro

Research Interests

Online Learning, Multi-Armed Bandits, Algorithmic Game Theory, Mechanism Design

Experience

Nov2019-present	**Ph.D. in Artificial Intelligence at Politecnico di Milano.** **Topics**: online learning for digital markets, mechanism design. **Advisor**: prof. Nicola Gatti
May2019 - present	**Industrial Collaboration – AdsHotel.** **Project**: automated tool for bid/budget optimization
Jan2019 - Jul2021	**Industrial Collaboration – DoveVivo.** **Project**: automated pricing tool for room rental
Jan2019-Oct2019	**Research Assistant at Politecnico di Milano.**

Education

Nov2019-present	**Ph.D. in Artificial Intelligence at Politecnico di Milano.** **Advisor**: prof. Nicola Gatti
Mar2016-Dec2018	**Mathematical Engineering MSc - Applied Statistics.** Politecnico di Milano, Italy. **Minor**: Decision-making models and methods
Sep2011-Feb2016	**Mathematical Engineering BSc.** Politecnico di Milano, Italy

Publications

Multi-Armed Bandit Problem with Temporally-Partitioned Reward,
Romano G., Agostini A., Trovò F., Gatti N., Restelli M., under review, 2021

Efficiency of Ad Auctions with Price Displaying,
Castiglioni M., Ferraioli D., Gatti N., Marchesi A., Romano G., under review, 2021

Safe Online Bid Optimization with Uncertain Return-On-Investment and Budget Constraints,
Castiglioni M., Nuara A., Romano G., Spadaro G., Trovò F., Gatti N., under review, 2021

Signaling in Posted Price Auctions,
Castiglioni M., Romano G., Marchesi A., Gatti N., under review, 2021

Online Posted Pricing with Unknown Time-Discounted Valuations,
Romano G., Tartaglia G., Marchesi A., Gatti N., AAAI-2021

Personality-Based Representations of Imperfect-Recall Games,
Celli A., Romano G., Gatti N., AAMAS-2019, extended-abstract

SHARP: Pricing Automatico dell'affitto di Stanze,
Nuara A., Romano G., Trovò F., Gatti N., Restelli M., Ital-IA-2019

Honors and Awards

2021	Outstanding Poster Award, *At Mediterranean Machine Learning summer school*

Teaching

2019-present **Teaching Assistant**, *Sistemi Informatici (Real-Time Computing Systems)*.
Politecnico di Milano, Italy

Talks

2021 Online Posted Pricing with Unknown Time-Discounted Valuations,
At AAAI-21, oral and poster presentation

2021 Safe Online Bid Optimization with Return-on-investment Constraints,
At Mediterranean Machine Learning summer school, poster presentation

2020 Online Posted Pricing with Unknown Time-Discounted Valuations,
At ALGADIMAR annual meeting (Algorithms, Games, and Digital Markets)

Language and IT skills

Italian **Native language**.

English **Fluent**.

French **Good**.

Programming **Python, R, SQL, Matlab, Ampl**.