

Elena Di Lavore

Born in Milano, Italy, 13/08/1995

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Education

Tallinn University of Technology

PhD

Estonia

2019 - present

- Thesis topic: Compositional game theory
- Supervisors: Dr Julian Hedges, Professor Pawel Sobocinski

University of Oxford

MSc in Mathematics and Foundations of Computer Science

United Kingdom

2018 - 2019

- Thesis: Subgame perfection in compositional game theory
- Supervisors: Dr Julian Hedges, Dr Jamie Vicary
- Mark: merit
- Courses:
 - Categories, proofs and processes
 - Categorical quantum mechanics
 - Axiomatic set theory
 - Computational number theory
 - Quantum computer science
 - Graph theory
 - Lambda calculus and types

Università di Pisa

BSc in Mathematics

Italy

2017 - 2018

- Thesis: Data-driven Estimation for Nash Equilibria
- Supervisor: Professor Giancarlo Bigi
- Mark: 110 cum laude / 110
- Courses:
 - Arithmetic
 - Experimental laboratory of computational mathematics
 - Geometry 2
 - Mathematical logic
 - Elements of set theory
 - Physics 3
 - Algebra 1
 - Game theory

Politecnico di Milano

BSc in Mathematical Engineering

Italy

2014 - 2017

- Thesis: Floquet Theory Applied to a Perturbed Wave Equation
- Supervisor: Professor Gianni Arioli
- Mark: 110 cum laude / 110
- Studies abroad: Erasmus program at Linnaeus University, Växjö, Sweden (August 2016 - January 2017)
- Courses:

Computer science	Mathematical Analysys 1, 2, 3
Chemistry	Experimental physics 1, 2
Business economics and organization	Statistics
Electrical engineering	Linear algebra and geometry
Fundamentals of automatic controls	Probability
Mathematical physics	Numerical mathematics
Advanced analog electronics	P.D.E. analytical and numerical methods
Algorithms and advanced data structures	Functional analysis
Analysis of structures	Models and methods for statistical inference
Algebraic structures 1	

Interests and other skills

Academic interests

- Applied category theory, Compositional game theory
- Attended the conferences SYCO2 (Glasgow, December 2018), SYCO3 (Oxford, March 2019), CT 2019 (Edinburgh, July 2019), ACT (July 2019), STRINGS3 and SYCO5 (Birmingham, September 2019), ItaCa (Milan, December 2019)

Language skills

- Italian: mother tongue
- English: C1

Programming languages

- C, Java : basic knowledge
- MATLAB, R, SQL : basic knowledge

Grants

Best Freshers Award (Politecnico di Milano) 2015
 Exemptions for High Academic Performance (Politecnico di Milano) 2015-2017