

FILIPPO BARONI

DPhil - Mathematics

PERSONAL INFO

29 January 1998
Oxford, UK
filippo.baroni@maths.ox.ac.uk

Filippo Baroni on LinkedIn
DelfadOr on GitHub

RESEARCH INTERESTS

Low-dimensional topology
Knot theory
Algebraic topology

LANGUAGES

Italian native
English fluent
French basic

PROGRAMMING

C++ expert
Python expert
LaTeX advanced
Haskell amateur

DelfadOr on Codeforces
DelfadOr on AtCoder

ACTIVITIES

Staff member of the Italian Mathematical Olympiad
Staff member of the Italian Olympiad in Informatics

REFERENCES

Prof. Marc Lackenby

University of Oxford
lackenby@maths.ox.ac.uk
+44 01865271728

Prof. Riccardo Benedetti

Università di Pisa
riccardo.benedetti@unipi.it
+39 0502213277

Prof. Roberto Frigerio

Università di Pisa
frigerio@dm.unipi.it
+39 0502213561

EDUCATION

2021 – present
University of Oxford
DPhil in Mathematics
Supervisor: Marc Lackenby

2016 – present
Scuola Normale Superiore di Pisa
Student of Mathematics

2019 – 2021
Università di Pisa
Master's Degree in Mathematics
110/110 cum laude
Advisor: Carlo Petronio
Thesis: *Realizability of branching data with a short partition*

2016 – 2019
Università di Pisa
Bachelor's Degree in Mathematics
110/110 cum laude
Advisor: Riccardo Benedetti
Thesis: *Omologia singolare degli spazi fibrati*

INVITED SPEAKER

February 2021
Online
International Young Seminar on Bounded Cohomology and Simplicial Volume
Talk: *The proportionality principle via bounded cohomology*

ATTENDED CONFERENCES

November 2020 – January 2021
Online
International Young Seminar on Bounded Cohomology and Simplicial Volume

COMPETITIVE AWARDS

Mathematics

July 2016
Hong Kong, Hong Kong
International Mathematical Olympiad
Gold Medal

May 2016
Tirana, Albania
Balkan Mathematical Olympiad
Bronze medal

February 2016
Bucharest, Romania
Romanian Master of Mathematics
Bronze medal

Informatics



April 2019
Porto, Portugal
ACM-ICPC World Finals
SNS team ranked 21st

April 2018
Beijing, China
ACM-ICPC World Finals
SNS team ranked 31st



August 2016
Kazan, Russia
International Olympiad in Informatics
Silver medal

July 2015
Almaty, Kazakhstan
International Olympiad in Informatics
Silver medal

WORKING EXPERIENCES

 April 2018
 Florence, Italy

Problem Coordinator
European Girls' Mathematical Olympiad

 July 2015
 Hursley, UK

Intern
IBM United Kingdom