

ŽARKO RANĐELOVIĆ

Curriculum Vitæ

Birth Date: July 10th, 1995

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IMO: [23495](https://www.imo-official.org/problems/IMO-2021-SL)

BACKGROUND

EDUCATIONAL BACKGROUND

Department of Pure Mathematics and Mathematical Statistics, University of Cambridge

PhD in Pure Mathematics and Mathematical Statistics (Oct 2018 – present)

Supervisor: Imre Leader

Mathematical Tripos, University of Cambridge

Master in Mathematics (Oct 2017 – Sep 2018)

Grade: Honors pass with distinction

Bachelor of Arts in Mathematics (Oct 2014 – Sep 2017)

Part IA Grade: Class I

Part IB Grade: Class I

Part II Grade: Class I

TEACHING

Faculty of Mathematics, University of Cambridge

Supervisor for undergraduates in Analysis, Graph Theory, Probability, Linear Algebra (Oct 2018 – Sep 2023)

Svetozar Marković Grammar School, Niš, Serbia

Online and in-person classes for high school mathematics competitions (Mar 2021, Mar 2022)

PROFESSIONAL SERVICES

MATHEMATICS COMPETITIONS

60th International Mathematical Olympiad, Bath, United Kingdom , Jul 11-22, 2019
Coordinator

PUBLICATIONS

JOURNAL ARTICLES

2. Ivan Damnjanović and Žarko Randelović, *An inverse result for Wang's theorem on extremal trees*, Filomat **38(3)** (2024), 1085–1099, URL: [38-3-24-21458.pdf](#).
1. Imre Leader, Žarko Randelović and Eero Rätty, *Inequalities on Projected Volumes*, SIAM Journal on Discrete Mathematics **35(3)** (2021), 1678–1687. URL: DOI: [10.1137/19M1296306](#)

PREPRINTS

3. Žarko Randelović, *The transversal game*, arXiv: [2401.16768](#), 2024.
2. Žarko Randelović, *Minimizing the Number of Unions*, arXiv: [2306.04115](#), 2023.
1. Imre Leader, Žarko Randelović and Ta Sheng Tan, *A Note on Hamiltonian-Intersecting Families of Graphs*, arXiv: [2309.00757](#), 2023.

PRESENTATIONS

SEMINARS HELD

1. Combinatorics Seminar, Department of Pure Mathematics and Mathematical Statistics, University of Cambridge, Jan 30th, 2020
Imre Leader, Žarko Randelović, Eero Rätty, *Inequalities on Projected Volumes*

MISCELLANEOUS

HIGH SCHOOL MATHEMATICAL OLYMPIADS

Gold Medal, 55th International Mathematical Olympiad, Cape Town, South Africa, Jul 3–13, 2014
Gold Medal, 31st Balkan Mathematical Olympiad, Pleven, Bulgaria, May 2–7, 2014
Gold Medal, 54th International Mathematical Olympiad, Santa Marta, Colombia, Jul 18–28, 2013
Silver Medal, 30th Balkan Mathematical Olympiad, Agros, Cyprus, Jun 28 – Jul 3, 2013
Bronze Medal, 6th Romanian Master of Mathematics, Bucharest, Romania, Feb 27 – Mar 3, 2013