

Jordi Castellví Foguet

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Education

Ph.D. in Mathematics

Enumerative combinatorics

Supervisors: Marc Noy and Clément Requilé

Universitat Politècnica de Catalunya (UPC)

2022–present

Master in Mathematics

Advanced Mathematics and Mathematical Engineering (MAMME)

UPC

2021–2022

Degree in Mathematics

Awarded full scholarship

CFIS - UPC

2016–2021

Degree in Computer Science

Specialization: computing

Awarded full scholarship

CFIS - UPC

2016–2021

Languages

Human

Catalan (native), spanish (native), english (fluent, C1 Advanced), french (fluent, DELF B2)

Non-human

L^AT_EX, C, C++, Java, Python, Haskell, HTML, Maple, MATLAB, SQL

Preprints

- **Limits of chordal graphs with bounded tree-width**, with Benedikt Stuffer.
arXiv:2310.20423

Publications

- **Chordal graphs with bounded tree-width**, with Michael Drmota, Marc Noy and Clément Requilé.
Advances in Applied Mathematics, Volume 157, 2024. arXiv:2301.00194
(*extended abstract version*) *Proceedings of Eurocomb 2023 (Prague)*.
- **Enumeration of chordal planar graphs and maps**, with Marc Noy and Clément Requilé.
Discrete Mathematics, Volume 346, Issue 1, 2023. arXiv:2202.13340

Talks

Journées ALEA

Enumeration of chordal planar graphs and maps

Marseille

22/03/2022

Eurocomb

Chordal graphs with bounded tree-width

Prague

31/08/2023

Research grants and internships

INIREC Scholarship - Universitat Politècnica de Catalunya (UPC)

Enumeration of chordal planar graphs and maps

Supervisor: Marc Noy

Barcelona

2021

École Polytechnique

Bijjective enumeration of constellations in higher genus

Paris

09/2020-02/2021

Supervisors: Marie Albenque and Éric Fusy

Severo Ochoa grant programme - Instituto de Ciencias Matemáticas (ICMAT)

Valuations, intrinsic volumes and Hadwiger's theorem

Supervisor: Ignacio Villanueva

Madrid/Online

Summer 2020

BGSMath Summer Internship Programme

Social influence games

Supervisor: Maria José Serna

Barcelona

Summer 2018

Awards

Premi Emmy Noether (Societat Catalana de Matemàtiques)

For my bachelor's thesis: *Bijjective enumeration of constellations in higher genus*

Second prize

2022

Work experience

Laboratori de Càlcul Numèric (LaCàN) - UPC

Research assistant

Barcelona

2022

WIRIS

Software engineer

Barcelona

2019

Other activities

Problem setter

Spanish Olympiad in Informatics (OIE)

2017–2019

Competitive merits

- ACM-ICPC Southwestern Europe Regional Contest (SWERC): bronze medal (tenth place) in 2020 (Paris), silver medal (sixth place) in 2018 (Paris), bronze medal (seventh place) in 2017 (Paris).
- Mediterranean Mathematics Competition 2016, silver medal (first place in Spain).
- Barcelona Tech Mathcontest 2016, bronze medal, seventh place.
- Spanish Physics Olympiad 2016, silver medal.
- Spanish Mathematics Olympiad 2016, bronze medal.
- Catalan Mathematics Olympiad 2016, gold medal, second place.
- International Olympiad in Informatics: participation in 2016 (Kazan, Russia) and 2015 (Almaty, Kazakhstan).
- Spanish Olympiad in Informatics: gold medal (second place) in 2016, gold medal (first place) in 2015, silver medal (seventh place) in 2014.
- Cangur contest (Catalan Society of Mathematics): sixth place in 2016, first place in 2015, sixth place in 2014, second place in 2013.