



## Giulio Binosi

**Date of birth:** 26/07/1995 | **Nationality:** Italian | **Gender:** Male | **Phone number:**

(+39) 3493376776 (Mobile) | **Email address:** [giulio.bino@gmail.com](mailto:giulio.bino@gmail.com) |

**Address:** Via San Daniele, 24, 36045, Lonigo, Italy (Home)

### EDUCATION AND TRAINING

01/07/2024 – 15/08/2025 Florence, Italy  
**POST DOC** University of Florence

01/11/2020 – 10/06/2024 Trento, Italy  
**PH.D. IN MATHEMATICS** University of Trento

Research interests: Clifford analysis, Hypercomplex analysis, Slice analysis, Complex geometry.

**Field of study** Hypercomplex Analysis | **Final grade** Cum Laude |

**Thesis** Harmonicity in Slice Analysis: Almansi decomposition and Fueter theorem for several hypercomplex variables

31/08/2017 – 22/10/2020 Trento, Italy  
**MASTER'S DEGREE IN MATHEMATICS** Università degli studi di Trento

Advanced Mathematics with focus on Differential Geometry and Mathematical Physics

**Field of study** Natural sciences, mathematics and statistics | **Final grade** 110 and praise |

**Thesis** A symplectic framework for Global Synge's World function: the Quantum Field Theory experience

31/08/2014 – 19/11/2017 Trento, Italy  
**BACHELOR'S DEGREE IN MATHEMATICS** Università degli studi di Trento

**Final grade** 102/110 | **Thesis** Su alcuni Teoremi di Rappresentazione di Radò-Nikodym e di Riesz

### PUBLICATIONS

2024  
[Partial slice regularity and Fueter's Theorem in several quaternionic variables](#)

Binosi, Giulio. "Partial slice regularity and Fueter's theorem in several quaternionic variables" Complex Manifolds, vol. 10, no. 1, 2023, pp. 20230103. <https://doi.org/10.1515/coma-2023-0103>

2024  
[Almansi-Type Decomposition for Slice Regular Functions of Several Quaternionic Variables](#)

Binosi Giulio, Almansi-Type Decomposition for Slice Regular Functions of Several Quaternionic Variables. Complex Anal. Oper. Theory 18, 87 (2024).

2024  
[Slice regular holomorphic Cliffordian functions of order  \$k\$](#)

Binosi, Giulio. "Slice regular holomorphic Cliffordian functions of order  $k$ ". Adv. Appl. Clifford Algebras 34, 50 (2024). <https://doi.org/10.1007/s00006-025-01376-9> (to appear)

2025  
[Dunkl approach to slice regular functions](#)

Binosi, Giulio, Hendrik De Bie, and Pan Lian. "Dunkl approach to slice regular functions". Annali di Matematica Pura ed Applicata. 2025

**Authors:** Giulio Binosi, Hendrik De Bie, Pan Lian

**Link** <https://link.springer.com/article/10.1007/s10231-025-01572-1>

2025

**Polyharmonicity, Almansi-type decompositions and Fueter-Sce theorem for several Clifford variables (Submitted)**

Binosi, Giulio. "Polyharmonicity, Almansi-type decompositions and Fueter-Sce theorem for several Clifford variables". Bollettino dell'Unione Matematica Italiana. 2025

**Link** <https://arxiv.org/abs/2503.04329>

● **WORK EXPERIENCE**

 **SPEAKER** – TIANJIN, CHINA

**MINICOURSE IN SLICE REGULAR FUNCTIONS OF ONE AND SEVERAL QUATERNIONIC VARIABLES** – 29/04/2024 – 30/04/2024

 **UNIVERSITÀ DI VERONA** – VERONA, ITALY

**TEACHER ASSISTANT** – 10/10/2023 – CURRENT

- Assistant of the course "Functional Analysis" for master degree in Mathematics.  
-frontal lessons  
-exams correction

 **UNIVERSITY OF TRENTO** – TRENTO, ITALY

**TEACHER ASSISTANT** – 20/08/2023 – CURRENT

-Assistant of the course "Geometria e Algebra Lineare" for engineering students.  
-frontal lessons  
-exam correction

 **UNIVERSITÀ DEGLI STUDI DI TRENTO** – TRENTO, ITALY

**TEACHER ASSISTANT** – 17/10/2022 – 21/02/2023

-Assistant of the course "Geometria A" for math students  
-frontal lessons  
-exam correction

 **UNIVERSITÀ DEGLI STUDI DI TRENTO** – TRENTO, ITALY

**TEACHER ASSISTANT** – 17/10/2022 – 21/02/2023

-Assistant of the course "Geometria e Algebra Lineare" for engineering students.  
-exam correction

 **UNIVERSITÀ DEGLI STUDI DI TRENTO** – TRENTO, ITALY

**TEACHER ASSISTANT** – 01/03/2022 – 30/09/2022

-Assistant of the course "Analisi 2" for engineering students  
-frontal lessons  
-exam correction

 **UNIVERSITY OF TRENTO** – TRENTO, ITALY

**TEACHER ASSISTANT** – 28/02/2021 – 29/09/2021

-Assistant of the course "Analisi 2" for engineering students  
-frontal lessons  
-exam correction

 **UNIVERSITÀ DEGLI STUDI DI TRENTO** – TRENTO, ITALY

**UNIVERSITY TUTOR** – 31/08/2018 – 30/11/2019

Tutor in analysis and linear geometry for engineering students

 **SCHOOL EXEDRA** – VERONA, ITALY

**SECONDARY SCHOOL TEACHER** – 08/09/2019 – 04/06/2020

Maths and Physics teacher in a private high school

 – VERONA E TRENTO, ITALY

**TUTOR FOR PRIVATE LESSONS** – 31/12/2015 – CURRENT

I regularly take private lessons for secondary school and university students

## ● **CONFERENCES AND SEMINARS**

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16/07/2025 – 18/07/2025 Bari

**Invited speaker, Bari, July 2025**

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25/05/2025 – 29/05/2025 Cetraro

**Luigi Maierù's International School in the History of Mathematics, Cetraro, May 2025**

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19/09/2024 – 20/09/2024 Bari

**2 Days on Geometric Structures and Function Theories**

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05/09/2024 – 06/09/2024 Trento

**Workshop di Analisi e Geometria Ipercomplessa**

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14/07/2024 – 19/07/2024 Sevilla

**9ECM (European Congress of Mathematics)**

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Link <https://www.ecm2024sevilla.com>

01/07/2024 Florence

**Florence**

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Invited speaker

13/06/2024 – 14/06/2024 Naples

**II Meeting UMI for Doctoral Students**

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Speaker

Link <https://umi.dm.unibo.it/secondo-dottorandi/>

04/06/2023 – 10/06/2023 Holon (Tel Aviv)

**ICCA13**

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Speaker

Link <https://sites.google.com/view/icca13-holon/home?authuser=0>

18/12/2022 – 19/12/2022 Firenze

**Incontro Nazionale di Analisi Ipercomplessa**

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Invited Speaker

09/09/2021 – 10/09/2021 Ancona

**Quaternioni sul Conero III**

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Link <https://gecogedi.dimai.unifi.it/event/1071/>

20/12/2023 – 20/12/2023 Verona

**Geometric Evolution of Multi Agent Systems**

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Invited speaker

01/02/2023 – 30/04/2023 Gent

### Research period

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Research period under the supervision of Professor Hendrik De Bie.

23/05/2022 – 27/05/2022 Padova

### 100 Umi-800 Unipd

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17/04/2023 – 21/04/2023 Gent

### Mini-course on the combinatorics of p-Kazhdan–Lusztig bases

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## ● FORMER EDUCATION

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31/08/2009 – 31/05/2014

### High school diploma

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Liceo scientifico Don Bosco, 100/100.

Participation in the final stages of the mathematics olympics.

31/08/2006 – 31/05/2009

### Middle school diploma

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Istituto Don Bosco.

Participation in the final stages of the mathematics olympics.

31/08/2001 – 31/05/2006

### Primary school diploma

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Scuola elementare Giovanni Pascoli

## ● LANGUAGE SKILLS

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Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● SKILLS

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Microsoft Word | Microsoft Excel | Power Point | Facebook | Instagram | Google Drive | Microsoft Powerpoint | Zoom | Social Media | Microsoft Office | Skype | Written and Verbal skills | Good listener and communicator | Organizational and planning skills | Analytical skills | Team-work oriented | curious