

PERSONAL INFORMATION

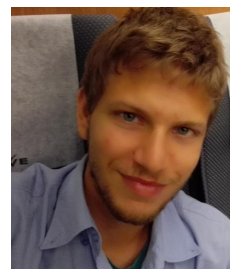
Carlo Bellavita

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PERSONAL STATEMENT

Math researcher in complex analysis

EDUCATION AND TRAINING

2013 Italian high school diploma: 95/100

2013- 2016 Unimi- Science and technology Faculty
Bachelor's degree in Mathematics: 110/110 with honours

2016- 2018 Unimi- Science and technology Faculty
Master's degree in Mathematics: 110/110 with honours

2018-2022 Phd student at the University of Milano

WORK EXPERIENCE

July 2022-July 2023 Teaching math at ITSOS Marie Curie in Cernusco sul Naviglio (MI)

July 2023-May 2024 Postdoc researcher at Aristotle University of Thessaloniki.

May 2024-June 2025 Postdoc researcher at University of Barcelona.

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

English

Modern greek

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2
A2	A2	A2	A1	A1
English degree. British Institute 16.04.2018 - European level: B2				

OTHER

December 2012 Driving license B

September 2021 Professor in A026 (Mathematics) with chair at the high school ITSOS Marie Curie in Cernusco sul Naviglio (MI).

October 2022 Habilitation in A027 (Physics and Mathematics).

ACADEMIC TEACHING

September 2019- January 2020	Tutoring activity in Calculus 1
April 2020- September 2020	Tutoring activity in Calculus 4
October 2020- March 2021	Tutoring activity in Calculus 1
September 2021- February 2022	Teaching activity in Calculus 1
October 2021- March 2022	Tutoring activity in Calculus 1
March 2022- July 2022	Tutoring activity in Calculus 2

OTHER ACTIVITIES

December 2020	Help with the Organisation of Meet me Tonight
December 2020	Organizer of 2020 ph ² -days
June 2023	Help with the organisation of ACOTCA 2023

ATTENDED CONFERENCES

February 2019	Phd course held by A.D. Baranov; Unibo-INDaM "The de Branges theory of Hilbert spaces of entire functions and its applications to spectral theory of differential operators"
April 2019	School in Saint Petersburg "International Spring School: Spectral Function Theory"
May 2019	Conference in Bergamo "Convegno Nazionale di Analisi Armonica"
September 2019	School in Genova "Summer School: Applied Harmonic Analysis and Machine Learning"
September 2019	INDaM Workshop in Rome "(New trends in) Complex and Fourier Analysis, and Operator Theory"
June 2020	XXXIV Convegno Nazionale di Analisi Armonica
May 2020- May 2021	Seminar on complex Analysis and applied topics
September 2020- September 2021	Seminari a distanza di Analisi armonica
June 2021	2021 Indam Workshop on Bergman projections and related topics
July 2021- December 2021	Focus Program on Analytic Function Spaces and their Applications
June 2022	Noncommutative Analysis at the Technion

September 2022	INdAM Workshop in Rome "(New trends in) Complex and Fourier Analysis, and Operator Theory 2"
June 2023	ACOTCA 2023, Thessaloniki
August 2023	IWOTA 2023 - special session "Hilbert function spaces in One and Several variables", Helsinki

TALKS AND SEMINAR

May 2021	Characterization of the dual of the 1-Bernstein spaces. <i>XL Convegno Nazionale di Analisi Armonica</i> , Politecnico di Torino, May 26-28, 2021.
June 2021	Are the non-self-adjoint operators unreal? A functional representation through de Branges spaces. <i>GIM Seminars</i> , January 2021-June 2021.
January 2022	Boundedness of Translation operator in de Branges spaces <i>Geometric Aspects of Complex and Harmonic Analysis, Università degli studi di Bologna, January 17-18, 2022.</i>
October 2022	One component bounded function <i>The Analysis Seminar in Thessaloniki 2022-2023</i>
January 2023	Truncated Hankel operators and dual of \mathcal{B}_π^1 <i>Young Researchers Workshop in Harmonic Analysis 2023</i>
January 2024	Generalized Hilbert operators arising from Hausdorff Matrices <i>III Young Researchers Workshop in Harmonic Analysis</i>
January 2024	Bounded truncated Toeplitz operator <i>SHaCAMiGA Conference</i>
April 2024	Embedding of model spaces into Dirichlet spaces <i>Analysis Seminar in University of Reading 2024</i>
May 2024	Optimal domain for T_g operators <i>Barcelona Analysis seminar</i>
May 2024	Optimal domain for generalized Volterra integral operator <i>Spaces of Analytic Functions and their Operators. Saarbrücken</i>
June 2024	One component bounded function <i>ACOTCA 2024</i>

VISITING PERIODS

December 13-18, 2021	Università Autonoma de Barcelona.
March 1-April 8, 2022	Università Autonoma de Barcelona.
October 17-21, 2022	Aristotle university of Thessaloniki.
April 08-18, 2024	University of Reading

PUBLICATIONS

Published articles.	<p>Bellavita, C. Necessary Conditions for Boundedness of Translation Operator in de Branges Spaces. Complex Anal. Oper. Theory 15, 96 (2021). https://doi.org/10.1007/s11785-021-01141-3</p> <p>Bellavita, C. Continuous embedding between de Branges spaces. Concr. Oper. 8, (2021). https://www.degruyter.com/document/doi/10.1515/conop-2020-0118/html</p> <p>Bellavita, C. Necessary and sufficient condition for boundedness of translation operator in de Branges spaces. Collect. Math (2022). https://link.springer.com/article/10.1007/s13348-022-00373-6</p> <p>Bellavita C., Nicolau A. One component bounded functions. Comput. Methods Funct. Theory (2023) https://link.springer.com/article/10.1007/s40315-023-00477-5#article-info</p> <p>Bellavita C., Dellepiane E. Embedding model and de Branges-Rovnyak spaces in Dirichlet spaces. Complex Var. Elliptic Equ. (2024) https://www.tandfonline.com/doi/abs/10.1080/17476933.2023.2298837</p>
Accepted	<p>Bellavita C., Chalmoukis N., Daskalogiannis V., Stylogiannis G. Generalized Hilbert operators arising from Hausdorff matrices https://arxiv.org/abs/2307.15334</p>
Submitted	<p>Bellavita C., Peloso M. Duality, BMO and Hankel operators on Bernstein spaces https://arxiv.org/abs/2308.01818</p> <p>Bellavita C., Daskalogiannis V., Stylogiannis G. On the Hilbert matrix operator: a brief survey</p> <p>Bellavita C., Daskalogiannis V., Nikolaidis G., Stylogiannis G. Optimal domain for generalised Volterra operator https://arxiv.org/abs/2404.08323</p>
In preparation	<p>Bellavita, C. Peloso M. Duals of 1-de Branges spaces.</p> <p>Bellavita, C. Reproducing kernel thesis for inner functions with zero measure boundary spectrum.</p>

Bellavita C., Daskalogiannis V., Miihkinen S., Norrbo D., Stylogiannis G., Virtanen J. Generalized Hilbert operator matrix acting in Bergman spaces

Bellavita C., Siskakis A., Stylogiannis G., Generalized Volterra operators acting on H^∞ , factorisation on BMOA functions and optimal domains.

Bellavita C., Dellepiane E. Mashreghi J., On difference quotient operator in Model spaces

Autorizzo al trattamento dati ai sensi del GDPR 2016/679 del 27 aprile 2016 (Regolamento Europeo relativo alla protezione delle persone fisiche per quanto riguarda il trattamento dei dati personali).