



ALLA MAGNIFICA RETTRICE
DELL'UNIVERSITA' DEGLI STUDI DI MILANO

COD. ID: A008

Il sottoscritto chiede di essere ammesso a partecipare alla selezione pubblica, per titoli ed esami, per il conferimento di un assegno di ricerca presso il Dipartimento di MATEMATICA

Responsabile scientifico: PROF. MARCO M. PELOSO

CARLO BELLAVITA
CURRICULUM VITAE

INFORMAZIONI PERSONALI

Cognome	Bellavita
Nome	Carlo

OCCUPAZIONE ATTUALE

Incarico	Struttura
Ricercatore	Universitat de Barcelona

ISTRUZIONE E FORMAZIONE

Titolo	Corso di studi	Università	anno conseguimento titolo
Dottorato Di Ricerca	Scienze Matematiche	Università degli Studi di Milano	2022
Diploma Di Specializzazione Medica			
Laurea Magistrale o equivalente	LM-40	Università degli Studi di Milano	2018
Master			
Altro			

ISCRIZIONE AD ORDINI PROFESSIONALI

Data iscrizione	Ordine	Città



LINGUE STRANIERE CONOSCIUTE

lingue	livello di conoscenza
Inglese	B2
Greco moderno	A1
Spagnolo	A1

PREMI, RICONOSCIMENTI E BORSE DI STUDIO

anno	Descrizione premio

ATTIVITÀ DI FORMAZIONE O DI RICERCA

descrizione dell'attività
02/05/2024 - 30/04/2025 Postdoc researcher at Universitat de Barcelona
08/07/2023 - 31/05/2024 Postdoc researcher at Aristotle University of Thessaloniki
<p>I completed my Ph.D. in pure Mathematics at the University of Milan, where I also earned my Bachelor's and Master's degrees. My doctoral research, conducted under the supervision of Professor Marco M. Peloso, centered on the theory of the de Branges spaces. I investigated the functional properties of the elements of these spaces, with a specific focus on the translation operator and the embedding operator. Towards the end of my Ph.D, I had the privilege of collaborating with Professor Artur Nicolau during a month-long visit to Barcelona. Together, we delved into the analysis of one-component bounded functions.</p> <p>After completing my Ph.D, I secured a one-year research grant in Thessaloniki under the guidance of Professor Emeritus Aristomenis Siskakis. While administrative hurdles delayed the start of my research, I kept studying at the University of Milan and I gained teaching experience at a high school in Milan.</p> <p>In Thessaloniki, I looked into new research areas, including generalized Volterra operators and the Hilbert matrix operator. I also had the opportunity to collaborate with Professor Jani Virtanen, resulting in a joint article on the Hilbert matrix operator. This summer, we will also co-organize a special session at IWOTA 2025.</p> <p>Despite relocating to Thessaloniki, I continued my research on topics initiated during my Ph.D. In particular, my work with M. Peloso on the dual of 1-Bernstein spaces has led to significant advancements.</p> <p>I have also explored the de Branges-Rovnyak spaces and harmonic Dirichlet spaces. In collaboration with Dr. Eugenio A. Dellepiane, I contributed to the investigation, initiated by Sarason and continued by Ransford, of the relationship between the weighted harmonically Dirichlet spaces and the de Branges-Rovnyak spaces. This collaboration was further expanded with the inclusion of Professor Javad Mashreghi.</p>



VISITING PERIODS

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

ATTIVITÀ PROGETTUALE

Anno	Progetto

TITOLARITÀ DI BREVETTI

Brevetto



CONGRESSI, CONVEGNI E SEMINARI SEGUITI

Data	Titolo	
08/2023	IWOTA 2023 - special session "Hilbert function spaces in One and Several variables"	Helsinki
06/2023	ACOTCA 2023	Thessaloniki
09/2022	INdAM Workshop in Rome "(New trends in) Complex and Fourier Analysis, and Operator Theory 2"	Rome
06/2022	Noncommutative Analysis at the Technion	Online
07/2021 - 12/2021	Focus Program on Analytic Function Spaces and their Applications	Online
06/2021	Workshop on Bergman projections and related topics	Online
09/2020 - 09/2021	Seminari a distanza di Analisi armonica	Online
05/2020- 05/2021	Seminar on complex Analysis and applied topics	Online
06/2020	XXXIV Convegno Nazionale di Analisi Armonica	Online
09/2019	INdAM Workshop in Rome "(New trends in) Complex and Fourier Analysis, and Operator Theory"	Rome
09/2019	Summer School: Applied Harmonic Analysis and Machine Learning	Genova
05/2019	XXXIII Convegno Nazionale di Analisi Armonica	Bergamo
04/2019	International Spring School: Spectral Function Theory	Saint Petersburg
02/2019 Bologna	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	Bologna



CONGRESSI, CONVEGNI A CUI SONO STATO INVITATO

Data	Titolo	
08/2024	joint 6th operator theory workshop and OPSFOTA meeting, Reading	Reading
05/2024	Barcelona analysis seminar	Barcellona
04/2024	Analysis seminar at university of Reading, Reading	Reading
01/2024	SHaCAMiGA Conference	Bologna
01/2024	III young researchers workshop in harmonic analysis	Genova
01/2023	Young researchers workshop in harmonic analysis	Torino
10/2022	The analysis seminar in Thessaloniki	Thessaloniki
01/2022	Geometric aspects of complex and harmonic analysis	Bologna

CONGRESSI, CONVEGNI CON CONTRIBUTED TALK

Data	Titolo	
06/2024	ACOTCA 2024	Tenerife
05/2024	Spaces of analytic functions and their operators	Saarbrücken
06/2021	GIM seminars	Online
06/2021	XXXV Convegno Nazionale di Analisi Armonica	Online

CONGRESSI ORGANIZZATI

Data	Titolo
05-06/2025	Two months Research Program in CRM "Modern trends in Fourier Analysis", Local organiser
07/2025	Special session "Operator theory on function spaces", University of Twente. In collaboration with Prof. Jani Virtanen.



ALTRE ATTIVITA'

Data	Titolo
06/2023	Help with the organisation of ACOTCA 2023
12/2020	Organizer of 2020 UNIMI Ph ² -days
12/2020	Help with the Organisation of UNIMI Meet me Tonight



PUBBLICAZIONI

Articoli su riviste
<p>Bellavita C., Peloso M. Duality, BMO and Hankel operators on Bernstein spaces. Journal of Journal of Functional Analysis 288-2 (2025) https://doi.org/10.1016/j.jfa.2024.110708</p>
<p>Bellavita C., Daskalogiannis V., Nikolaidis G., Stylogiannis G. Optimal domain for generalised Volterra operator. Journal of Mathematical Analysis and Applications 543-2.1 (2025) https://doi.org/10.1016/j.jmaa.2024.128978</p>
<p>Bellavita, C., Chalmoukis, N., Daskalogiannis, V., and Stylogiannis, G. Generalized Hilbert operators arising from Hausdorff matrices. Proceedings of the American Mathematical Society 152 4759-4773 (2024) https://doi.org/10.1090/proc/16917</p>
<p>Bellavita, C., and Dellepiane, E. Embedding model and de Branges-Rovnyak spaces in Dirichlet spaces. Complex Variables and Elliptic Equations, 1-19 https://doi.org/10.1080/17476933.2023.2298837</p>
<p>Bellavita, C., and Nicolau, A. One Component Bounded Functions. Computational Methods and Function Theory 24, 121-148 (2024) https://doi.org/10.1007/s40315-023-00477-5</p>
<p>Bellavita, C. Necessary and sufficient condition for boundedness of translation operator in de Branges spaces. Collectanea Mathematica 74, 795-815 (2023) https://doi.org/10.1007/s13348-022-00373-6</p>
<p>Bellavita, C. Continuous embedding between P-de Branges spaces. Concrete Operators 8:1 (2021) https://doi.org/10.1515/conop-2020-0118</p>
<p>Bellavita, C. Necessary Conditions for Boundedness of Translation Operator in de Branges Spaces. Complex Analysis and Operator Theory (2021) 15:96\\ https://doi.org/10.1007/s11785-021-01141-3</p>



Articoli sottomessi

Bellavita C., Dellepiane E., and Mashreghi J.,
The spectral analysis of the difference quotient operator on model spaces
<https://arxiv.org/pdf/2410.18682>

Bellavita C., and Stylogiannis, G.
Hilbert matrix operator acting between conformally invariant spaces
<https://arxiv.org/pdf/2408.01060>

Bellavita, C., Daskalogiannis V., Miihkinen S., Norrbo D., Stylogiannis G., and Virtanen J.
Generalized Hilbert operator matrix acting in Bergman spaces
<https://arxiv.org/abs/2407.13569>

Bellavita, C., Belli, A., Nikolaidis, G., and Stylogiannis, G.
Meromorphic optimal domain of integral operators

Bellavita, C., and Stylogiannis, G.
On asymptotic and essential Toeplitz and Hankel integral operator
<https://arxiv.org/pdf/2409.10014>

Monografie

Atti di convegni

Bellavita, C., Peloso M.
On Toeplitz operators on H^1
Proceeding of ACOTCA 2024.

Bellavita, C., Daskalogiannis V., and Stylogiannis, G.
On the Hilbert matrix operator: a brief survey.
Proceeding of IWOTA 2023.

ALTRE INFORMAZIONI



UNIVERSITÀ DEGLI STUDI DI MILANO

Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del DPR n. 445/2000.

Il presente curriculum, non contiene dati sensibili e dati giudiziari di cui all'art. 4, comma 1, lettere d) ed e) del D.Lgs. 30.6.2003 n. 196.

RICORDIAMO che i curricula SARANNO RESI PUBBLICI sul sito di Ateneo e pertanto si prega di non inserire dati sensibili e personali. Il presente modello è già precostruito per soddisfare la necessità di pubblicazione senza dati sensibili.

Si prega pertanto di **NON FIRMARE** il presente modello.

Luogo e data: Barcellona, 22 Novembre 2024