

ALLEGATO B

UNIVERSITÀ DEGLI STUDI DI MILANO

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Nikolaos Chalmoukis
CURRICULUM VITAE

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	CHALMOUKIS
NOME	NIKOLAOS
DATA DI NASCITA	10/05/1993

Si veda allegato

Data

15/10/2021

Luogo

BOLOGNA

Nikolaos Chalmoukis

RESEARCH INTERESTS Complex analysis, Operator theory, Potential theory on graphs and function spaces, Harmonic analysis, Functional analysis, Base theory for Hilbert spaces.

POSITION **Department of Mathematics, University of Bologna**
Assegno di ricerca (Postdoctoral research position), March 2021 - Present

EDUCATION **Department of Mathematics, University of Bologna**
Ph.D., Mathematics, December 2020, University of Bologna

- Dissertation Topic: Interpolation Problems in Dirichlet Type Spaces
- Advisor: Nicola Arcozzi

Center for Mathematics, Lund University
Master of Science, Mathematics, September 2017, Lund University

- Dissertation Topic: Generalized Integration Operators on Hardy Spaces
- Advisor: Alexandru Aleman

Aristotle University of Thessaloniki
Bachelor in Mathematics , November 2015, Aristotle University of Thessaloniki

- Dissertation Topic: The Bloch space
- Advisor: Aristomenis Siskakis

PUBLICATIONS N. Chalmoukis, G. Stylogiannis, Quasi-nilpotency of generalized Volterra operators on sequence spaces. *Results in Mathematics*, 76:173 (2021)

N. Chalmoukis, A. Hartmann, K. Kellay K. and B.D. Wick, *Random Interpolating Sequences in Dirichlet Spaces*, *Int. Math. Res. Not. IMRN*, DOI: <https://doi.org/10.1093/imrn/rnab110>, (2021).

N. Chalmoukis, *Onto interpolation for the Dirichlet space and for $H_1(\mathbb{D})$* , *Adv. Math.*, 381 (2021), 107634

N. Chalmoukis, *Generalized Integration Operators on Hardy Spaces*, *Proc. Amer. Math. Soc.*, **148** (2020), pp. 3325-3337.

N. Chalmoukis and M. Levi, (2019). *Some remarks on the Dirichlet problem on infinite trees*. *Concr. Oper.*, 6(1), pp. 20-32.

N. Arcozzi, N. Chalmoukis, A. Monguzzi, M. M. Peloso, M. Salvatori, The Drury–Arveson space on the Siegel upper-half space and von Neumann type inequality, Accepted for publication in: *Integral Equations and Operator Theory*

PREPRINTS	N. Arcozzi, N. Chalmoukis, P. Mozolyako, M. Levi, Two-weight dyadic Hardy inequalities, arXiv:2110.05450.
	N. Chalmoukis, V. Daskalogiannis, Holomorphic semigroups and Sarason's characterization of vanishing mean oscillation, arXiv:2106.01294.
	N. Chalmoukis, M. Hartz, Totally null sets and capacity zero in Dirichlet type spaces, arXiv:2007.01569.
WORKS IN PROGRESS	N. Chalmoukis, N. Arcozzi, The Dobinski set has full logarithmic capacity
	N. Chalmoukis, V. Daskalogiannis, P. Galanopoulos, A. Siskakis, G. Stylogiannis. Final numerical range for generalized Cesàro operators.
INVITED TALKS	<i>Hardy Sobolev spaces in several complex variables</i> , BIRS-CMO Workshop, "Multivariable Operator Theory and Function Spaces in several Variables (Online)", August 2021.
	<i>Holomorphic semigroups and Sarason's characterization of vanishing mean oscillation</i> , communication in "Real and complex manifolds. The mathematical heritage of Edoardo Vesentini", June 2021.
	<i>Random Interpolating sequences in Dirichlet type spaces</i> , St. Petersburg Youth Conference on Probability and Mathematical Physics, December 2020.
	<i>Nevanlinna Pick Interpolation: A gentle Introduction</i> , Insalate di Matematica, Università di Milano - Bicocca https://drive.google.com/file/d/1rwvvVymepjrU_oMca8fw40ALiuKlQJG7/view
	<i>Random Interpolating sequences in Dirichlet spaces</i> , 2TART : Operator Theory With its Applications, August 2020. Seminar available online at: https://www.youtube.com/watch?v=Aq49pT5BSjE
	<i>Random Interpolating sequences in Dirichlet spaces</i> , OnLine seminar on complex analysis and applied topics, May 2020. Seminar available online at: https://www.youtube.com/channel/UCiRdqBeNxXbWaaftY-SN6mg/
	<i>Random Interpolating Sequences in Dirichlet Type Spaces</i> , Thessaloniki Analysis Seminar, Aristotle U. of Thessaloniki, December 2019.
	<i>Interpolation in the Dirichlet space on the unit disc</i> , Analysis days in Piemonte, May 2019
	<i>Potential Theory on Trees</i> , Thessaloniki Analysis Seminar, Aristotle U. of Thessaloniki, December 2018.

Onto Interpolation for the Dirichlet Space and $W^{1,2}$, Thessaloniki Analysis Seminar, Aristotle U. of Thessaloniki, September 2018.

Generalized integration operators on Hardy spaces, Analysis days in Piemonte, May 2018.

OTHER TALKS
AND SEMINARS

Holomorphic semigroups and Sarason's characterization of vanishing mean oscillation, Focus Program on Analytic Function Spaces and their Applications, Fields Institute, September 2021

Weighted dyadic Hardy inequalities, Convegno nazionale di analisi armonica, May 2021.

Random Interpolating Sequences in Dirichlet Spaces, CIRM , Marseille, "Interpolation in Spaces of Analytic Functions", November 2019.

Onto Interpolation for the Dirichlet Space and for $W^{1,2}$, IRP SAFAIS-2019, Workshop "Spaces of Analytic Functions: Approximation, Interpolation, Sampling", October 2019.

Onto Interpolation for the Dirichlet Space, Advanced course of operator theory and complex analysis, U. Paris-Est Marne-la-Vallée, France, June 2019.

Unions of onto interpolating sequences for the Dirichlet space, Advances course of operator theory and complex analysis, U. of Bologna, June 2018.

Unions of onto interpolating sequences for the Dirichlet space, Workshop on complex analysis and operator theory, Blanes, May 2018.

The prime number theorem and Riemann's zeta function, BaD Seminars, U. of Bologna, February 2018.

ORGANIZATION
EXPERIENCE

Advanced Course of Operator Theory and Complex Analysis, Local Organizer, U. of Thessaloniki, May 2020. (Event postponed due to the covid-19 pandemic, planned for Spring 2022)

Advanced Course of Operator Theory and Complex Analysis, Local Organizer, U. of Bologna, June 2018.

Organization of the circle of seminars for PhD students and Post Doctoral Researchers "BaD Seminars"

<https://www.dm.unibo.it/seminari/mat/cycles/64>

Co-organiser and occasional speaker of the series of seminars "Complex Analysis Lab at UniBo"

<https://site.unibo.it/complex-analysis-lab/en>

TEACHING EXPERIENCE	Fall	2021	Minicourse: <i>Interpolation by analytic functions</i> , Saint Petersburg State University (6 hours)
	Fall	2021	Teaching Assistant, Mathematics for Social Sciences, U. of Bologna, Course: Laurea in Economics, politics and social sciences (40 hours)
	Fall	2021	Teaching Assistant (In Italian), Analysis I, U. of Bologna, Course: Chemical and biochemical engineering.
	Spring	2021	Teaching Assistant (In Italian), Calculus and elements of probability, U. of Bologna, Civil engineer department (30 hours).
	Fall	2019	Minicourse <i>An introduction to interpolating sequences in Reproducing Kernel Hilbert Spaces</i> , U. of Bologna. (6 hours) Lectures available on https://site.unibo.it/complex-analysis-lab/en/contents/videos .
	Fall	2018	Teaching Assistant (In Italian), Mathematical Analysis I, U. of Bologna, Civil engineer department (30 hours).
AWARDS AND FELLOWSHIPS	8/2021– 12/2021		Research contract (No. ED–112569/F) with Saint Petersburg State University.
	2021–2024		Member of the research group funded by the grant “2nd call for H.F.R.I.’s research projects to support faculty members & researchers” (165.000€) . Principal investigator: A. Siskakis, Aristotle University of Thessaloniki.
	2017–2020		INdAM-DP-COFUND-2015 fellowship (INdAM Doctoral Programme in Mathematics and/or Applications Cofunded by Marie Skłodowska-Curie Actions)
	2016–2017		Fellowship from Alexander S. Onassis Public Benefit Foundation for my studies at Lund University
	2011–2015		Commendation for excellent performance during my studies in the department of mathematics of the Aristotle University of Thessaloniki
	2011–2012		Scholarship from IKY (Greek State Scholarships Foundation) for distinction in my studies in mathematics.
EXTENDED PROFESSIONAL TRAVEL	Sept.	2018	U. of Thessaloniki, Department of Mathematics, Greece
	Febr.	2020	Institut de Mathématiques de Bordeaux (IMB), Bordeaux, France
	Sept.	2020	St. Petersburg State University, St. Petersburg, Russia (postponed due to the covid pandemic, planned for December 2021)
RELEVANT SKILLS	Languages:		Greek , English, Italian
PEER-REVIEW EXPERIENCE	Journals:		Czechoslovak Math. J., Complex Anal. Oper. Theory., Rend. Circ. Mat. Palermo (2), Proc. Amer. Math. Soc., Constr. Approx., J. Math. Anal. Appl., Complex Var. Elliptic. Equ., Ann. Polon. Math. Reviewer for Mathematical Reviews (MathSciNet)