

ALLEGATO B

UNIVERSITÀ DEGLI STUDI DI MILANO

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(avviso bando pubblicato sulla G.U. n. **75** del **21/09/2021**) Codice concorso **4837**

Tommaso Russo **CURRICULUM VITAE**

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

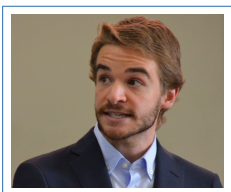
COGNOME	RUSSO
NOME	TOMMASO
DATA DI NASCITA	04/06/1991

Data

10/10/2021

Luogo

Praga



Tommaso Russo

Curriculum Vitae

Personal Information

Date of Birth *June 4th, 1991*
Gender *Male*
Nationality *Italian*
Address *Žitná 25, 115 67 Prague 1, Nové Město
Czech Republic*
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ResearchGate *www.researchgate.net/profile/Tommaso_Russo4*
ORCID *https://orcid.org/0000-0003-3940-2771*

Current Position

07/2020–12/2022 **Post-Doc**
Institute of Mathematics of the Czech Academy of Sciences.
Žitná 25, 115 67 Prague 1, Czech Republic.
Project: Banach spaces of continuous and Lipschitz functions, Grant GF20-22230L
Principal Investigator: Prof. Wiesław Kubiś.
Research field: Functional Analysis, Geometry of Banach spaces, Non-linear Functional Analysis, Biorthogonal systems, Differentiability and renormings, Geometry of the unit sphere, Combinatorial methods in Banach spaces.

09/2020–12/2021 **Assistant Professor**
Department of Mathematics of the Faculty of Electrical Engineering
Czech Technical University in Prague.
Technická 2, 166 27 Prague 6, Czech Republic.

Previous Positions

09/2018–08/2020 **Post-Doc**
Department of Mathematics of the Faculty of Electrical Engineering
Czech Technical University in Prague.
Technická 2, 166 27 Prague 6, Czech Republic.
Project: OPVVV mobility CZ.02.2.69/0.0/0.0/16_ 027/0008465

Czech Academy of Sciences – Žitná 25, 115 67 Prague 1

✉ *tommaso.russo.math@gmail.com* • 🌐 *math.fel.cvut.cz/en/people/russotom/*

Mentor: Prof. Petr Hájek.

Education and Training

10/2015–09/2018 **Ph.D. in Mathematical Sciences**

Università degli Studi di Milano, Department of Mathematics 'Federigo Enriques'
Via Cesare Saldini 50, 20133 Milano, Italy.

Advisor: Prof. Clemente Zanco (Università degli Studi di Milano).

Co-advisor: Prof. Petr Hájek (Czech Academy of Sciences and Czech Technical University in Prague).

Thesis: *On some open problems in Banach space theory*.

Defended: February 1, 2019

Final grade: Excellent.

Title: Ph.D. in Mathematical Sciences.

09/2013–09/2015 **Master degree in Mathematics**

Università degli Studi di Milano, Milano, Italy.

Curriculum: general mathematics. Courses followed: Mathematical Analysis (basic and advanced), Geometry, Probability theory, Numerical Analysis, Mathematical Physics (basic).

Thesis: *Banach spaces of (almost) universal disposition*

Defended: September 24, 2015

Supervisor: Prof. Clemente Zanco

Title: Master degree in Mathematics. Final mark: 110/110 cum laude.

09/2010–07/2013 **Bachelor degree in Mathematics**

Università degli Studi di Milano, Milano, Italy.

Curriculum: general mathematics.

Title of the seminar for the final exam: *Breve 'tour' sul riarrangiamento di funzioni (A short survey on rearrangements of functions)*.

Title: Bachelor degree in Mathematics. Final mark: 110/110 cum laude.

09/2005–07/2010 **High School Education**

Liceo Scientifico Niccolò Machiavelli, Pioltello (MI), Italy.

Diploma di maturità scientifica. Final mark: 100/100 cum laude.

Publications

Preprints

1. T. Russo and J. Somaglia, WEAKLY CORSON COMPACT TREES. [arXiv:2106.11830](#).

Accepted papers

1. P. Hájek and T. Russo, PROJECTING LIPSCHITZ FUNCTIONS ONTO SPACES OF POLYNOMIALS. *Mediterr. J. Math.* (to appear). [arXiv:2102.02778](#).

Articles

10. P. Hájek, T. Russo, J. Somaglia, and S. Todorčević, AN ASPLUND SPACE WITH NORMING MARKUŠEVIČ BASIS THAT IS NOT WEAKLY COMPACTLY GENERATED, *Adv. Math.* **392** (2021), 108041. [arXiv:2007.14201](#).
9. C. Correa, T. Russo, and J. Somaglia, SMALL SEMI-EBERLEIN COMPACTA AND INVERSE LIMITS. *Topology Appl.* **302** (2021), 107835. [arXiv:2101.08820](#).
8. T. Russo and J. Somaglia, OVERCOMPLETE SETS IN NON-SEPARABLE BANACH SPACES, *Proc. Amer. Math. Soc.* **149** (2021), 701–714. [arXiv:1912.08690](#).

7. P. Hájek, T. Kania, and T. Russo, SEPARATED SETS AND AUERBACH SYSTEMS IN BANACH SPACES, *Trans. Amer. Math. Soc.* **373** (2020), 6961–6998. arXiv:1803.11501.
6. P. Hájek and T. Russo, ON DENSELY ISOMORPHIC NORMED SPACES, *J. Funct. Anal.* **279** (2020), 108667. arXiv:1910.01527.
5. S. Dantas, P. Hájek, and T. Russo, SMOOTH NORMS IN DENSE SUBSPACES OF BANACH SPACES, *J. Math. Anal. Appl.* **487** (2020), 123963. arXiv:1911.09611.
4. T. Russo, A NOTE ON SYMMETRIC SEPARATION IN BANACH SPACES, *Rev. R. Acad. Cienc. Exactas Fís. Nat. Ser. A Mat. RACSAM* **113** (2019), 3649–3658. arXiv:1904.12598.
3. P. Hájek and T. Russo, AN UNCOUNTABLE VERSION OF PTÁK’S COMBINATORIAL LEMMA, *J. Math. Anal. Appl.* **470** (2019), 1070–1080. arXiv:1805.06028.
2. P. Hájek, T. Kania, and T. Russo, SYMMETRICALLY SEPARATED SEQUENCES IN THE UNIT SPHERE OF A BANACH SPACE, *J. Funct. Anal.* **275** (2018), 3148–3168. arXiv:1711.05149.
1. P. Hájek and T. Russo, SOME REMARKS ON SMOOTH RENORMINGS OF BANACH SPACES, *J. Math. Anal. Appl.* **455** (2017), 1272–1284. arXiv:1705.01384.

Invited Talks

- March 18, 2021 (1+)-meters apart: *Separated sets in Covid times*, Functional analysis seminar, 90 minutes, online weekly seminar at Institute of Mathematics and Statistics, University of Tartu, Estonia, organised by Rainis Haller.
- August 28, 2020 *Asplund spaces with norming Markuševič bases*, Banach spaces webinars, 60 minutes, online weekly seminar at University of North Texas, organised by Bünyamin Sari.
- June 23, 2020 *Asplund spaces and norming Markuševič bases*, Set Theory and Analysis seminar, 90 minutes, Institute of Mathematics of the Czech Academy of Sciences, Prague, Czech Republic.
- January 28, 2020 *Smooth renormings on dense subspaces of Banach spaces*, V Congreso de Jóvenes Investigadores de la RSME, 30 minutes, Castellón, Spain.
- November 8, 2019 *Overcomplete sets in Banach spaces*, Workshop on Abstract Analysis and Convex Analysis, 45 minutes, Università Cattolica, Milano, Italy.
- June 26, 2019 *Auerbach systems in WLD spaces*, Banach Spaces and their Applications, 20 minutes, Lviv, Ukraine.
- February 12, 2019 *Separation and Reflexivity*, Setffa – Set Theory and Functional Analysis seminar, 90 minutes, Institute of Mathematics of the Czech Academy of Sciences, Prague, Czech Republic.
- November 9, 2018 *Weak compactness, double limits, and a combinatorial lemma*, Workshop in Abstract and Convex Analysis, 40 minutes, Università Cattolica, Milano, Italy.
- September 18, 2018 *Systems of coordinates in WLD Banach spaces*, Joint meeting of UMI, SIMAI and PTM, 30 minutes, Wrocław, Poland.
- January 11, 2018 *Separated families of unit vectors: an interplay of geometry and combinatorics*, Banach Afternoon, 1 hour, Università degli Studi di Milano, Italy.
- November 14, 2017 *Symmetrically separated sequences in the unit sphere of a Banach space*, Setffa – Set Theory and Functional Analysis seminar, 90 minutes, Institute of Mathematics of the Czech Academy of Sciences, Prague, Czech Republic.

Talks

- January 12, 2020 *How different can two dense subspaces of a Banach space be?*, 48th Winter School in Abstract Analysis, 25 minutes, Svatka, Czech Republic.
- November 17, 2019 *What do dense subspaces of Hilbert spaces look like?*, Analysis Seminar, 20 minutes, Innsbruck, Austria.
- September 11, 2019 *Projections onto spaces of polynomials*, Workshop on Banach spaces and Banach lattices, 30 minutes, Madrid, Spain.
- June 17, 2019 *On densely isomorphic normed spaces*, Banach spaces and optimization: Conference on the occasion of Robert Deville's 60th birthday, 20 minutes, Métabief, France.
- January 18, 2019 *An uncountable version of Pták's lemma*, 47th Winter School in Abstract Analysis, 20 minutes, Svatka, Czech Republic.
- September 24, 2018 *On some open problems in Banach space theory*, presentation of the PhD thesis, 15 minutes, Milan, Italy
- June 27, 2018 *On Auerbach systems in Banach spaces*, Geometrical aspects of Banach spaces, 30 minutes, Birmingham, England.
- June 09, 2018 *Separated families of unit vectors*, Analysis Seminar, 25 minutes, Traunkirchen, Austria.
- January 14, 2018 *Symmetrically separated sequences in the unit sphere of a Banach space*, 46th Winter School in Abstract Analysis, 30 minutes, Svatka, Czech Republic.
- June 22, 2017 *Smooth approximations of norms with asymptotic improvement*, Septièmes Journées Besançon-Neuchâtel d'analyse fonctionnelle, 20 minutes, Besançon, France.
- March 29, 2017 *Lipschitz functions in Banach spaces I* (first part of a joint seminar with J. Somaglia), SAA – Seminario di Analisi Astratta, 1 hour, Università degli Studi di Milano, Italy.
- June 13, 2016 *The nonlinear Geometry of Banach spaces*, PhD² – PhD Days, 1 hour, Università degli Studi di Milano, Italy.

Poster Presentations

- March 5–9, 2018 *Separated Families of Unit Vectors*, Non Linear Functional Analysis, at CIRM - Luminy, Marseille, France.

Organiser Activity

- A.Y. 21/22 *Algebras of Operators on Banach Spaces and Operator Algebras*, Introduction to research course for the Master degree in Mathematics at Charles University in Prague. Organised with T. Bice, B. Horváth, and K. Strung.
- April 9 and 16, 2021 *Workshop Banach Afternoons*, Università degli Studi di Milano, Italy. Organised with C.A. De Bernardi, J. Somaglia, and L. Veselý.

Referee and Reviewer Activity

- Referee *Journal of Functional Analysis*, *Arab Journal of Mathematical Sciences*, *Israel Journal of Mathematics*, *Taiwanese Journal of Mathematics*.
- Reviewer ZbMath.

Conferences, Workshops, and Schools

- June 23–24, 2021 *Two Days in Real Analysis*, online TEAMS event, Caserta, Italy.
- June 14–17, 2021 *Four Days in Linear Dynamics*, online TEAMS event, Caserta, Italy.
- January 27–31, 2020 *V Congreso de Jóvenes Investigadores de la RSME*, Castellón, Spain.
- January 11–18, 2020 48th Winter School in Abstract Analysis, Svatka, Czech Republic.

- December 6–9, 2019 *22nd Colloquiumfest*, Prague, Czech Republic.
- November 15–17, 2019 *Analysis Seminar*, Innsbruck, Austria.
- November 8, 2019 *Workshop on Abstract Analysis and Convex Analysis*, Università Cattolica del Sacro Cuore, Milano, Italy.
- September 9–13, 2019 *Workshop on Banach spaces and Banach lattices*, Madrid, Spain.
- June 26–29, 2019 *Banach Spaces and their Applications*, Lviv, Ukraine.
- June 16–21, 2019 *Banach spaces and optimization: Conference on the occasion of Robert Deville's 60th birthday*, Métabief, France.
- January 12–19, 2019 *47th Winter School in Abstract Analysis*, Svatka, Czech Republic.
- November 9, 2018 *Workshop in Abstract and Convex Analysis*, Università Cattolica del Sacro Cuore, Milano, Italy.
- September 17–20, 2018 *Joint meeting of the Italian Mathematical Union, the Italian Society of Industrial and Applied Mathematics and the Polish Mathematical Society*, Wrocław, Poland.
- June 25–29, 2018 *Geometrical aspects of Banach spaces*, Birmingham, England.
- June 8–10, 2018 *Analysis Seminar*, Traunkirchen, Austria.
- March 5–9, 2018 *Non Linear Functional Analysis*, at CIRM - Luminy, Marseille, France.
- January 13–20, 2018 *46th Winter School in Abstract Analysis*, Svatka, Czech Republic.
- January 11, 2018 *Banach Afternoon*, Università degli Studi di Milano, Italy.
- October 17–20, 2017 *Conference on Non-Linear Functional Analysis: 5th Workshop on Functional Analysis and Workshop on Infinite Dimensional Analysis Valencia 2017*, Valencia, Spain.
- June 20–23, 2017 *Septièmes Journées Besançon–Neuchâtel d'analyse fonctionnelle*, Besançon, France.
- May 14–18, 2017 *Geometric Topology and Geometry of Banach spaces*, Eilat, Israel.
- January 14–21, 2017 *45th Winter School in Abstract Analysis*, Svatka, Czech Republic.
- September 29–30, 2016 *Workshop Interactions between Algebra and Functional Analysis* Prague, Czech Republic.
- August 21–27, 2016 *Scuola estiva di Logica*, Gargnano, Italy.
- January 16–23, 2016 *44th Winter School in Abstract Analysis*, Svatka, Czech Republic.
- October 23–25, 2015 *Analysis Seminar*, Innsbruck, Austria.
- July 27–August 28, 2015 *Corso Estivo di Matematica*, Perugia, Italy. Organized by Scuola Matematica Interuniversitaria (SMI). Courses followed: Functional Analysis and Differential Geometry.
- August 26–31, 2012 *Incontro dei borsisti INDAM*, Perugia, Italy.

Courses attended
during the Ph.D.

- *Alcuni problemi nonlocali dal punto di vista dell'analisi, della geometria e della fisica matematica* (4 CFU, 24 hours) - Proff. E. Cinti and E. Valdinoci.
- *Linear and nonlinear geometry of Banach spaces* (24 hours) - Prof. P. Hájek.
- *Argomenti Avanzati di Geometria Algebrica: Gruppi ed Algebre di Lie* (4 CFU, 24 hours) - Proff. G. Bini and L. Van Geemen;
- *Mathematics of Bose Einstein Condensation and Superfluidity* (3 CFU, 18 hours) - Prof. M. Correggi;
- *Teoria KAM e riducibilità in equazioni a derivate parziali* (3 CFU, 18 hours) - Prof. D. Bambusi;
- *Fourier Analysis and Geometric Discrepancy* (5 CFU, 30 hours) - Prof. G. Travaglini (Università di Milano Bicocca).
- *Logica Matematica 1* (6 CFU, 42 hours, course for the Master degree in Mathematics) - Prof. S. Ghilardi;
- *Logica Matematica 2* (6 CFU, 42 hours, course for the Master degree in Mathematics) - Prof. V. Marra.

Teaching

A.Y. 21/22 **Discrete Mathematics and Graphs (BE5B01DMG)**

Bachelor degree in Electrical Engineering at Czech Technical University in Prague.
Lecturer of the course (42 hours of lectures and 14 hours of labs).

Algebras of operators on Banach spaces and operator ideals (NMMA651)

Master degree in Mathematics at Charles University in Prague.
Lecturer of the course (14 hours of lectures), joint with Bence Horváth.

Past A.Y. **Discrete Mathematics and Graphs (BE5B01DMG)**

Bachelor degree in Electrical Engineering at Czech Technical University in Prague.
Lecturer of the course (42 hours of lectures and 14 hours of labs).
Academic years: 2018/2019, 2019/2020, 2020/2021.

Tutor for the course Real Analysis

Master degree in Mathematics at Università degli Studi di Milano.
Lecturer: Prof. K. Payne. Correction of homeworks (30 hours).
Academic year: 2017/2018.

Tutor for the course Mathematical Analysis 2

Bachelor degree in Mathematics at Università degli Studi di Milano.
Lecturer: Prof. K. Payne. Solution of exercises in class (30 hours).
Academic years: 2014/2015, 2015/2016.

Achievements and Honors

September, 2014 1st place award, scholarship offered by INDAM for the introduction to research of graduate students in Mathematics. Level of recognition: National.

September 10, 2010 5th place award, scholarship offered by INDAM for the project Progetto Lauree Scientifiche. The scholarship was then extended for the subsequent two years. Level of recognition: National.

Additional Information

Visiting Positions

- 02/10/2016 – 03/12/2016: Department of Mathematics and Computer Science at Università di Catania, invited by Prof. D. Puglisi.
- 31/08/2016 – 01/10/2016, 14/01/2017 – 30/06/2017, 05/09/2017 – 02/12/2017, 13/01/2018 – 30/06/2018: Department of Mathematics of the Czech Technical University in Prague, invited by Prof. P. Hájek.

PhD Student

Representative

- 01/2016 – 09/2018: PhD student representative of the XXXI cycle in Collegio Docenti del Dottorato of the Doctoral Program in Mathematical Sciences at Università degli Studi di Milano.
- 01/2016 – 01/2017: PhD student representative in Consiglio di Dipartimento of the Department of Mathematics at Università degli Studi di Milano.

Student Representative

05/2014 – 09/2015: Student representative in Consiglio di Dipartimento and Collegio Didattico di Matematica, member and vice president of Commissione Paritetica. Elected with the list Lista Ideale, Department of Mathematics of Università degli Studi di Milano.

GNAMPA

Member of GNAMPA (Gruppo Nazionale per l'Analisi Matematica, la Probabilità e le loro Applicazioni) of INDAM (Istituto Nazionale di Alta Matematica), from October 2014.

TECO

Participant to the TECO test, evaluating the generalist skills of undergraduate students, June 7, 2013.

Personal Skills

Mother tongue Italian.

Other languages English (First Certificate in English, B2).

Computer skills Basic knowledge of programming in C and Matlab.
Advanced knowledge of \LaTeX and LyX.

Sports Athletics, Hiking and Climbing, Tennis, Skiing, Windsurfing.

Member of the Board and Vice President of the athletics society Athletic Team Pioltello, from February 2011 to February 2013.

Driving Licence B.

Prague, October 10, 2021