

Procedura di selezione per la chiamata a professore di II fascia da ricoprire ai sensi dell'art. 18, comma 1, della Legge n. 240/2010 per il settore concorsuale 13/D4, (settore scientifico-disciplinare SECS-S/06) presso il Dipartimento di Matematica *Federico Enriques*, (avviso bando pubblicato sulla G.U. n. 56 del 25/07/2023) - Codice concorso: 5383.

CURRICULUM VITÆ

21 AGOSTO 2023

INFORMAZIONI PERSONALI

Nome: Paolo
Cognome: Leonetti
Birth: 18 July 1988.
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IMPIEGO ATTUALE

2022-2023: Assistant Professor (RTD-B) at Università degli Studi dell'Insubria, Department of Economics, Varese (*Abilitazione Scientifica Nazionale (ASN) per il settore 13/D4*) *ottenuta a Giugno 2023*.
2018-2023: Contract Professor at Università Luigi Bocconi, Department of Decision Sciences, Milan.

IMPIEGHI PRECEDENTI

2019-2022: Postdoctoral Researcher at Università Luigi Bocconi, Department of Decision Sciences, Milan, Italy. Supervisor: prof. Fabio Maccheroni.
2019: Postdoctoral Researcher at Graz University of Technology, Institute of Analysis and Number Theory, Graz, Austria. Supervisor: prof. Christoph Aistleitner.
2018: Contract Professor at Università degli Studi dell'Insubria.

TITOLI DI STUDIO

2014: M.Sc. in Economic and Social Sciences at Univ. Bocconi. Thesis: *Equivalent Extensive Form Games*. Advisors: prof. Pierpaolo Battigalli and prof. Fabio Maccheroni.
2011: B.A. in Economics and Finance at Univ. Bocconi. Thesis: *Fundamental Theorem of Asset Pricing with Continuous Time*. Advisor: prof. Lorenzo Peccati.

TITOLI DI DOTTORE DI RICERCA

2019: Ph.D. in Statistics (cum laude) at Univ. Bocconi. Thesis: *Essays in Mathematical Statistics: Representations, Convergence, and Applications*.
Advisors: prof. Fabio Maccheroni and prof. Simone Cerreia-Vioglio.

INTERESSI DI RICERCA

I am interested in *mathematical analysis* and its interactions with decision theory, functional analysis, and probability theory.

ATTIVITA' DIDATTICA (Insegnamenti e moduli, lezioni frontali)

- Fall 2022 & Spring 2023:** (BA Management) *General Mathematics I*, Lectures, Univ. Insubria (60 hours, 12 CFU)
- Spring 2023:** (BA Management) *Mathematics II for Economics and Finance*, Lectures, Univ. Insubria (45 hours, 10 CFU)
- Fall 2020 & Fall 2021 & Fall 2022:** (MSc Economics and Social Sciences) *Mathematics–Preparatory course*, Lectures, Univ. Bocconi (30 hours / year)
- Fall 2021 & Fall 2022:** (BA Artificial Intelligence) *Decision theory and Human behavior*, Lectures, Univ. Bocconi (9 hours / year, 8 CFU)
- Summer 2020:** *Number Theory and Cryptography*, (Summer School) Lectures, Univ. Bocconi (15 hours)
- Spring 2023:** (BA Management) *Financial Mathematics*, Lectures, Univ. Bocconi (50 hours, 7 CFU)
- Fall 2018 & Fall 2019 & Fall 2020 & Fall 2021 & Fall 2022:** (BA Management) *Mathematics – Module 1 (General)*, Lectures, Univ. Bocconi (40 hours / year, 8 CFU)
- Fall 2018:** (BA Management), *Decision Theory*, Lectures, Università dell'Insubria (50 hours, 7 CFU)
- 2011-2023:** Lecturing at Math Seminars organized by Unione Matematica Italiana held in: Ancona, Brindisi, Cagliari, Chieti, Iseo, Lecce, Lecco, Lodi, Mantova, Modena, Osimo, Paderno del Grappa, Pescara, Piacenza, Reggio Emilia, Salerno, Sassari, Taranto, Udine, Verbania, Vicenza (at least 2 days for each one)

ATTIVITA' DIDATTICA (Esercitazioni e Tutorati)

- Fall 2020 & Fall 2021 & Fall 2022:** (MSc) *Algebra and Geometry*, Teaching Assistant and Tutor, Univ. Bocconi.
- Spring 2020 & Spring 2021 & Spring 2022 & Spring 2023:** (BA Management) *Financial, Mathematics*, Teaching Assistant and Tutor, Univ. Bocconi.
- Fall 2017 & Fall 2018 & Fall 2019 & Fall 2020 & Fall 2021 & Fall 2022:** (MSc Economics and Social Sciences) *Advanced Mathematics for Economics and Social Sciences*, Teaching Assistant and Tutor, Univ. Bocconi.
- Fall 2018:** (BA in Economics and Social Sciences) *Mathematics – Module 1 (Theory and Methods)*, Teaching Assistant, Univ. Bocconi.
- Fall 2018:** (BA Management) *General Mathematics*, Teaching Assistant, Univ. dell'Insubria.
- Fall 2016 & Fall 2017:** (MSc Finance) *Financial Econometrics and Empirical Finance – Module 1*, Teaching Assistant and Tutor, Univ. Bocconi.
- Fall 2015 & Fall 2016:** (BA Management) *Statistics*, Teaching Assistant, Univ. Bocconi.

ATTIVITA' DIDATTICA (Integrativa e di servizio agli studenti)

- Advisor of a BA thesis (focused in decision theory) at Univ. Insubria.

SEMINARI SU INVITO

- 2023:** Gdansk Seminar Series, Gdansk, Poland.
- 2022:** Università Cattolica del Sacro Cuore, Milan, Italy.
- 2022:** Gdansk Seminar Series, Gdansk, Poland
- 2022:** Hebei Normal University, Shijiazhuang, China
- 2021:** Banach afternoons, Milano (plenary speaker).
- 2021:** Gdansk Seminar Series, Gdansk, Poland
- 2020:** Łódź University of Technology and Wrocław University, Łódź, Poland
- 2020:** Hebei Normal University, Shijiazhuang, China
- 2019:** Karl-Franzens University, Graz, Austria.
- 2019:** Graz University of Technology, Graz, Austria.
- 2018:** Łódź University of Technology, Łódź, Poland.
- 2017:** Università degli Studi dell'Insubria, Varese, Italy.

ATTIVITA' DA REFEREE

Acta Mathematica Hungarica, AIMS Mathematics, Afrika Mathematica, Annales Mathematicae Silesianae, Annales Universitatis Paedagogicae Cracoviensis Studia Applied Mathematics - A Journal of Chinese Universities, Mathematica, Arabian Journal of Mathematics, Axioms, Bulletin des sciences mathématiques, Canadian Mathematical Bulletin, Carpathian Journal of Mathematics, Contemporary Mathematics, Discrete Mathematics, Filomat, Functiones et Approximatio, Fundamental Journal of Mathematics and Applications, Games and Economic Behavior, Grazer Mathematische Berichte, Integers, International Journal of Mathematics and Mathematical Sciences, Iranian Journal of Mathematical Sciences and Informatics, Kragujevac Journal of Mathematics, Journal of Applied Probability / Advances in Applied Probability, Journal of Classical Analysis, Journal of Economic Theory, Journal of Integer Sequences, Linear and Multilinear Algebra, Matematicki Vesnik, *Math Reviews for AMS (33 reviews)*, Mathematica Slovaca, Mathematics, Notes on Number Theory and Discrete Mathematics, Proceedings of the conference Inspirations in Real Analysis, Punjab University Journal of Mathematics, Rendiconti del Circolo Matematico di Palermo Series 2, Research in Number Theory, Results in Mathematics, Revista de la Real Academia de Ciencias Exactas Fisica y Naturales (Serie A, Mathematicas), Rivista di Matematica della Università di Parma, Sarajevo Journal of Mathematics, Studia Scientiarum Mathematicarum Hungarica, The Journal of Analysis, Topology and its Applications, Transactions of the London Mathematical Society, Quaestiones Mathematicae, zbMATH Open.

ATTIVITA' DI RICERCA SCIENTIFICA (pubblicazioni scientifiche)

- 2023:** P. Leonetti, *Quasi-arithmetic means ad libitum*, Results in Mathematics, to appear
- 2023:** S. Cerreia-Vioglio, P. Leonetti, F. Maccheroni, and M. Marinacci, *Capacities and Choquet averages of ultrafilters*, Proceedings of the American Mathematical Society, to appear
- 2023:** P. Leonetti and S. Tringali, *On the density of sumsets, II*, Bulletin of the Australian Mathematical Society, to appear
- 2023:** P. Leonetti, T. Russo and J. Somaglia, *Dense lineability and spaceability in certain subsets of ℓ_∞* , Bulletin of the London Mathematical Society, to appear
- 2023:** P. Leonetti and F. Luca, *On iterates of shifted Euler's function*, Bulletin of the Australian Mathematical Society, to appear
- 2023:** M. Balcerzak, S. Glab, and P. Leonetti, *Another characterization of meager ideals*, Revista de la Real Academia de Ciencias Exactas—Físicas y Naturales Serie A Matemáticas, to appear
- 2023:** P. Leonetti, *Almost all sets of nonnegative integers and their small perturbations*, Proceedings of the American Mathematical Society, to appear.
- 2022:** P. Leonetti and A. Khorrami Chokami, *The maximum domain of attraction of multivariate extreme value distributions is small*, Electronic Communications in Probability, to appear.
- 2022:** A. Aveni and P. Leonetti, *Most numbers are not normal*, Mathematical Proceedings of the Cambridge Philosophical Society, to appear.
- 2022:** P. Leonetti, *Tauberian theorem for ordinary convergence*, Journal of Mathematical Analysis and its Applications, to appear.
- 2022:** P. Leonetti and C. Orhan, *On some locally convex FK spaces*, Topology and its Applications, to appear.
- 2022:** S. Cerreia-Vioglio, P. Leonetti, and F. Maccheroni, *A characterization of the vector lattice of measurable functions*, Milan Journal of Mathematics, to appear.
- 2022:** P. Leonetti and S. Tringali, *On the density of sumsets*, Monatshefte für Mathematik, to appear.
- 2021:** A. Kwela and P. Leonetti, *Density-like and generalized density ideals*, The Journal of Symbolic Logic, to appear.
- 2021:** C. Aistleitner, T. Lachmann, P. Leonetti, and P. Minelli, *On the number of gaps and Poissonian pair correlations*, Discrete Mathematics, to appear.
- 2021:** P. Leonetti and M. Caprio, *Turnpike in infinite dimension*, Canadian Mathematical Bulletin, to appear.
- 2021:** P. Leonetti, *On consecutive perfect powers with elementary methods*, Combinatorial and Additive Number Theory IV, Springer, pp. 385-400.
- 2021:** J. Connor and P. Leonetti, *A characterization of ideal regular matrices*, Journal of Mathematical Analysis and its Applications, to appear.
- 2021:** M. Balcerzak and P. Leonetti, *Convergent subseries of divergent series*, Rendiconti del Circolo Matematico di Palermo Series 2, to appear.
- 2021:** P. Leonetti, *A Characterization of Cesàro Convergence*, The American Mathematical Monthly, Vol.128, No.6, pp. 559-562.
- 2021:** P. Leonetti and S. Tringali, *On small sets of integers*, The Ramanujan Journal, to appear.
- 2020:** M. Balcerzak and P. Leonetti, *The Baire category of subsequences and permutations which preserve limit points*, Results in Mathematics, Vol.75, Art. 171.
- 2020:** P. Leonetti and S. Tringali, *On the notions of upper and lower density*, Proceedings of the Edinburgh Mathematical Society, Vol.63, No.1, pp. 139-167.
- 2020:** P. Battigalli, P. Leonetti, and F. Maccheroni, *Behavioral Equivalence of Extensive Game Structures*, Games and Economic Behaviour, Vol.121, pp. 533-547.
- 2020:** M. Balcerzak and P. Leonetti, *A Tauberian theorem for Ideal Statistical Convergence*, Indagationes Mathematicae, Vol.31, No.1, pp. 83-95.
- 2020:** P. Leonetti and C. Sanna, *Practical Numbers among binomial coefficients*, Journal of Number Theory, Vol.207, pp.145-155.

- 2020:** P. Leonetti and C. Sanna, *Direction sets: a generalization of ratio sets*, Bulletin of the Australian Mathematical Society, Vol.101, No.3, pp.389-395.
- 2020:** P. Leonetti and J. Schwaiger, *The general linear equation on open connected sets*, Acta Mathematica Hungarica, Vol.161, No.1, pp.201-211.
- 2019:** P. Leonetti, *Characterizations of the Ideal Core*, Journal of Mathematical Analysis and Applications, Vol.477, No.2, pp. 1063-1071.
- 2019:** P. Leonetti, *Limit Points of Subsequences*, Topology and its Applications, Vol.263, pp. 221-229.
- 2019:** P. Leonetti and F. Maccheroni, *Characterizations of Ideal Cluster Points*, Analysis, Vol.39, No.1, pp. 19-26.
- 2019:** M. Balcerzak and P. Leonetti, *On the Relationship between Ideal Cluster Points and Ideal Limit Points*, Topology and its Applications, Vol.252, pp. 178-190.
- 2019:** P. Leonetti, *Invariance of Ideal Limit Points*, Topology and its Applications, Vol.252, pp. 167-177.
- 2018:** P. Leonetti, *Continuous projections onto ideal convergent sequences*, Results in Mathematics, Vol.73, Art. 114.
- 2018:** P. Leonetti, *Convergence rate of Subseries*, The American Mathematical Monthly, Vol.126, No.2, pp. 163-167.
- 2018:** P. Leonetti, *Thinnable Ideals and Invariance of Cluster Points*, Rocky Mountain Journal of Mathematics, Vol.48, No.6, pp. 1951-1961.
- 2018:** P. Leonetti and C. Sanna, *A note on primes in certain residue classes*, International Journal of Number Theory, Vol.14, No.8, pp. 2219-2223.
- 2018:** P. Leonetti, *Finite Partially Exchangeable Laws are Signed Mixtures of Product Laws*, Sankhya A, Vol.80, No.2, pp. 195-214.
- 2018:** P. Leonetti, H. Miller, and L. Miller-Wan Wieren, *Duality between Measure and Category of Almost All Subsequences of a Given Sequence*, Periodica Mathematica Hungarica, to appear.
- 2018:** P. Leonetti, *A characterization of convex functions*, The American Mathematical Monthly, Vol.125, No.9, pp. 842-844.
- 2018:** P. Leonetti and C. Sanna, *On the greatest common divisor of n and the n th Fibonacci number*, Rocky Mountain Journal of Mathematics, Vol.48, No.4, pp. 1191-1199.
- 2018:** P. Leonetti, *A characterization of Sophie Germain primes*, International Journal of Number Theory, Vol.14, No.3, pp. 653-660.
- 2018:** P. Leonetti and A. Marino, *Sums of Multivariate Polynomials in Finite Subgroups*, International Journal of Number Theory, Vol.14, No.2, pp. 301-311.
- 2018:** P. Leonetti and S. Tringali, *On the number of distinct prime factors of a sum of super-powers*, Journal of Number Theory, Vol.186, pp. 226-237.
- 2017:** D. Glazowska, P. Leonetti, J. Matkowski, and S. Tringali, *Commutativity of integral quasi-arithmetic means on measure spaces*, Acta Mathematica Hungarica, Vol.153, No.2, pp. 350-355.
- 2017:** P. Leonetti and C. Sanna, *On the p -adic valuation of Stirling numbers of the first kind*, Acta Mathematica Hungarica, Vol.151, No.1, pp. 217-231.
- 2017:** P. Leonetti and S. Tringali, *Upper and lower densities have the strong Darboux property*, Journal of Number Theory, Vol.174, pp. 445-455.
- 2016:** P. Leonetti, J. Matkowski, and S. Tringali, *On the commutation of generalized means on probability spaces*, Indagationes Mathematicae, Vol.27, No.4, pp. 945-953.
- 2014:** P. Leonetti and S. Tringali, *On a system of equations with primes*, Journal de Théorie des Nombres de Bordeaux, Vol.26, No.24, pp. 399-413.

PARTECIPAZIONE A GRUPPI DI RICERCA

Partecipazione al Austrian Science Fund (FWF), project F-5512. Principal Investigator: Christoph Aistleitner. (Una conferma nei ringraziamenti in prima pagina di questo lavoro: <https://arxiv.org/pdf/1908.06292.pdf>) dal 18-02-2019 al 31-08-2019

Partecipazione al grant "SDDM-TEA" ERC GRANT n. 679949 nel centro di ricerca IGIER dell'Università Bocconi con obiettivo: "Development of a theory of choice under uncertainty in dynamic and strategic environment" dal 01-09-2019 al 31-08-2020

Partecipazione al "PRIN 2017 (grant 2017CY2NCA, CUP: J44I20000250001)" dell'Università Bocconi con obiettivo: "Multiple Criteria Decision Analysis and Multiple Criteria Decision Theory". (Confermato dai ringraziamenti nei miei recenti lavori di teoria delle decisioni: <https://arxiv.org/pdf/2210.04739.pdf> e <https://arxiv.org/pdf/2209.06310.pdf>) dal 01-09-2020

Membro di "SIPTA: the Society for Imprecise Probabilities: Theories and Applications". dal 01-09-2022

Membro di "GNAMPA - Gruppo Nazionale per l'Analisi Matematica, la Probabilità e le loro Applicazioni"
Sezione: Analisi reale, teoria della misura e probabilità (2018 e 2022).
Sezione: Analisi funzionale e armonica (2021 e 2022).

Membro di "The Econometric Society" da Novembre 2022

Membro di AMASES, dal 2023

PARTECIPAZIONE A COMITATI EDITORIALI

2021-2023: Topical Advisor member of Axioms.

2022-2023: Topical Advisor member of Symmetry.

2022-2023: Editorial Board member of Mathematics Letters.

2023: Editorial Board member of European Journal of Mathematics and Statistics.

2022-2023: Guest Editor of the Axioms' Special Issue "Mathematical Analysis and Its Applications from Decision Theory to Extreme Values."

PREMI E RICONOSCIMENTI

2017: *Best Lecture Presentation Award* alla conferenza: "20th International Workshop for Young Mathematicians: Number Theory", Jagellonian University (Cracovia, Poland)

2018: *Award for outstanding contributions in functional equations* alla conferenza "56th International Symposium on Functional Equations, Graz (Austria)"

CONFERENZE

- 2023:** Extreme Value Analysis Conference, Milan.
- 2023:** Combinatorial and Additive Number Theory, New York (USA)
- 2023:** Gdansk Logic Conference, Gdansk (Poland)
- 2022:** Conference Functional Analysis in Lille, Lille (France)
- 2022:** SIPTA Summer School, Bristol, UK
- 2022:** Combinatorial and Additive Number Theory, New York (USA)
- 2022:** Inspirations in Real Analysis, (Poland)
- 2021:** Research on Mathematical Analysis and Semigroups, Bari
- 2021:** Two days in real analysis, Salerno
- 2021:** First Western Balkan Conference in Mathematics and Applications, kosovo
- 2021:** Four days in linear dynamics, Salerno
- 2021:** Ninth Bucharest Number Theory Days, Bucharest (Romania)
- 2021:** Combinatorial and Additive Number Theory, New York (USA)
- 2021:** Banach afternoons, Milano
- 2021:** Number Theory Online, Torino
- 2020:** Additive Combinatorics, Marseille, France
- 2020:** 34th International summer conference on real functions theory, Slovakia
- 2020:** Combinatorial and Additive Number Theory, New York, USA
- 2019:** Workshop Informale di Analisi Astratta e Analisi Convessa, Milan, Italy.
- 2019:** 4th Number Theory Meeting, Torino, Italy.
- 2019:** Workshop on Banach spaces and Banach lattices, Madrid, Spain.
- 2019:** Second Symposium on Analytic Number Theory, Cetraro, Italy.
- 2019:** 57th International Symposium on Functional Equations, Jastarnia, Poland.
- 2019:** Combinatorial and Additive Number Theory, New York, USA.
- 2019:** Mini-Symposium on Analytic Number Theory and Applications, Linz, Austria.
- 2019:** Workshop and Winter School on Local Statistics of Point Sequences, Linz, Austria.
- 2019:** 47th Winter School in Abstract Analysis, Svratka, Czech Republic.
- 2018:** 3rd Number Theory Meeting, Torino, Italy.
- 2018:** 56th International Symposium on Functional Equations, Graz, Austria
- 2018:** 46th Winter School in Abstract Analysis, Svratka, Czech Republic.
- 2017:** 2nd Number Theory Meeting, Torino, Italy.
- 2017:** 20th International Workshop for Young Mathematicians “Number Theory”, Krakow, Poland
- 2017:** 30th Journees Arithmetiques, Caen, France.
- 2016:** Seminari di Teoria dei Numeri, Torino, Italy.
- 2016:** 54th International Symposium on Functional Equations, Hajdúszoboszló, Hungary.
- 2015:** Additive Combinatorics in Marseille, Marseille, France.
- 2015:** 22nd Czech and Slovak International Conference on Number Theory, Liptovsky Jan, Slovakia.
- 2014:** Games and Decisions 2, Scuola Normale Superiore, Pisa, Italy.

ATTIVITA' GESTIONALI, ORGANIZZATIVE E DI SERVIZIO

- Membro della commissione Aiqua (Commissione per l'Assicurazione interna della Qualità) of "CLEMISDI" at Univ. Insubria, dal 2023
- Partecipazione al collegio docenti del Dipartimento di Economia dell'Univ. Insubria (a cadenza mensile) dal 2022
- Partecipazione alla commissione per assegnazione incarico da docenze a contratto presso Univ. Insubria.
- Partecipazione a collegio docenti del Dottorato in Methods and Models for Economic Decisions dell'Univ. Insubria, dal 2023

ALTRE ESPERIENZE

- 2019:** Research visit at Lodz University of Technology (Lodz, Poland) for a collaboration with prof. Marek Balcerzak
- 2011-2023:** Collaborating with the organizing committee of the Italian Mathematical Olympiad, proposing problems for the national competitions, refereeing, and judging. Organizer of five online mathematical contests.
- 2019:** Research Assistant for prof. Simone Cerreia-Vioglio, Univ. Bocconi.
- 2018:** Research Assistant for prof. Massimo Marinacci, Univ. Bocconi.
- 2012-2014 & 2016-2017:** Research Assistant for prof. Pierpaolo Battigalli, Univ. Bocconi.
- 2013:** SMI Perugia Summer School. Courses: Functional Analysis and Stochastic Processes.
- 2012:** Full time stage in Game Theory, Department of Economics, Univ. Bocconi.
- 2007:** Winter Camp, Scuola Normal Superiore, Pisa.
- 2006:** Gran Sasso-Princeton Physics Summer Camp, Princeton, USA.