

Curriculum vitae of Biagio Ricceri

Biagio Ricceri was born in Catania on February 7, 1955.

In 1979, he graduated, *magna cum laude*, in Mathematics at the University of Catania.

Just after graduating, he obtained a CNR fellowship for three years.

In 1980, he was awarded with a prize of the Accademia Gioenia for young scholars.

Nel 1983, he became an assistant professor of Mathematica Analysis at the University of Catania.

Nel 1987, after winning a national competition, he became a full professor of Functional Analysis at the University of Messina.

Nel 1997, he moved at the University of Catania as a full professor of Mathematical Analysis.

In 1996, at the “E. Majorana” Center of Erice, he was the scientific director of a workshop on “Minimax Theory and Applications”.

He was the coordinator of the local unit at the University of Messina of a national research project on ordinary differential equations.

He was the coordinator of the PhD program in Mathematics at the University of Catania.

He is the coordinator of the local unit at the University of Catania of the national research project PRIN 2022 titled Advances theoretical aspects of PDEs and their applications.

He is one of the four members of the steering committee of the *International Research Working Group in Nonlinear Analysis and Convex Analysis*.

He is a fellow of the Accademia Gioenia and of the Accademia Peloritana dei Pericolanti.

He was the scientific mentor of 15 scholars. Among them, there are 8 full professors and 4 associated professors.

In 1993, he founded the international journal *Set-Valued Analysis* (*Set-Valued and Variational Analysis* since 2009), by Springer, of which he was the Editor-in-Chief until 2014.

From 2015 to 2023 he was the Editor-in-Chief of *Le Matematiche*.

In 2016, he founded the international journal *Minimax Theory and its Applications*, by Heldermann Verlag, of which he is the Editor-in-Chief.

Moreover, he serves in the Editorial Boards of the following journals:

- *Journal of Convex Analysis*
- *Journal of Nonlinear and Convex Analysis*
- *Fixed Point Theory*
- *Linear and Nonlinear Analysis*
- *Canadian Journal of Pure and Applied Sciences*

From 2010 to 2013, he served in the Editorial Board of *Nonlinear Analysis* and, from 2008 to 2014, in that of *Taiwanese Journal of Mathematics*.

He is the author of 150 scientific articles.

His research is mainly focused in the following fields: Minimax Theory, Set-Valued Analysis, Convex Analysis, Optimization, Calculus of Variations, Nonlinear Analysis and Functional Analysis.

He was invited as a speaker in more than 70 international Conferences at the following countries: United States, Canada, Japan, Israel, India, South Korea, Taiwan, Thailandia, Vietnam, South Africa, Morocco, France, Italy, Spain, Austria, Portugal, Greece, Poland, Bulgaria, Romania.

He was visiting professor at the Universities of Montréal, Berlin, Torún, Valencia and Marrakech.

Selected publications (since 2000)

- [1] B. RICCERI, *On a three critical points theorem*, Arch. Math. (Basel), **75** (2000), 220-226.
- [2] B. RICCERI, *A general variational principle and some of its applications*, J. Comput. Appl. Math., **113** (2000), 401-410.
- [3] B. RICCERI, *Infinitely many solutions of the Neumann problem for elliptic equations involving the p -Laplacian*, Bull. London Math. Soc., **33** (2001), 331-340.
- [4] B. RICCERI, *A general multiplicity theorem for certain nonlinear equations in Hilbert spaces*, Proc. Amer. Math. Soc., **133** (2005), 3255-3261.
- [5] B. RICCERI, *The problem of minimizing locally a C^2 functional around non-critical points is well-posed*, Proc. Amer. Math. Soc., **135** (2007), 2187-2191.
- [6] B. RICCERI, *Well-posedness of constrained minimization problems via saddle-points*, J. Global Optim., **40** (2008), 389-397.
- [7] B. RICCERI, *A further refinement of a three critical points theorem*, Nonlinear Anal., **74** (2011), 7446-7454.
- [8] B. RICCERI, *A strict minimax inequality criterion and some of its consequences*, Positivity, **16** (2012), 455-470.
- [9] B. RICCERI, *A range property related to non-expansive operators*, Mathematika, **60** (2014), 232-236.
- [10] B. RICCERI, *Singular points of non-monotone potential operators*, J. Nonlinear Convex Anal., **16** (2015), 1123-1129.
- [11] B. RICCERI, *The convex hull-like property and supported images of open sets*, Ann. Funct. Anal., **7** (2016), 150-157.
- [12] B. RICCERI, *On a minimax theorem: an improvement, a new proof and an overview of its applications*, Minimax Theory Appl., **2** (2017), 99-152.
- [13] B. RICCERI, *Another multiplicity result for the periodic solutions of certain systems*, Linear Nonlinear Anal., **5** (2019), 371-378.
- [14] B. RICCERI, *Miscellaneous applications of certain minimax theorems II*, Acta Math. Vietnam., **45** (2020), 515-524.
- [15] B. RICCERI, *An improvement of a saddle point theorem and some of its applications*, J. Nonlinear Convex Anal., **22** (2021), 2433-2439.
- [16] B. RICCERI, *Multiplicity theorems involving functions with non-convex range*, Stud. Univ. Babeş-Bolyai Math., **68** (2023), 125-137.
- [17] B. RICCERI, *Existence, uniqueness, localization and minimization property of positive solutions for non-local problems involving discontinuous Kirchhoff functions*, Adv. Nonlinear Anal., **13** (2024), Paper No. 20230104.
- [18] B. RICCERI, *A property of strictly convex functions which differ from each other by a constant on the boundary of their domain*, J. Convex Anal., **31** (2024), 779-786.
- [19] B. RICCERI, *Unusual existence theorems for nonlocal inhomogeneous elliptic equations*, J. Math. Anal. Appl., **537** (2024), Paper No. 128264.

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