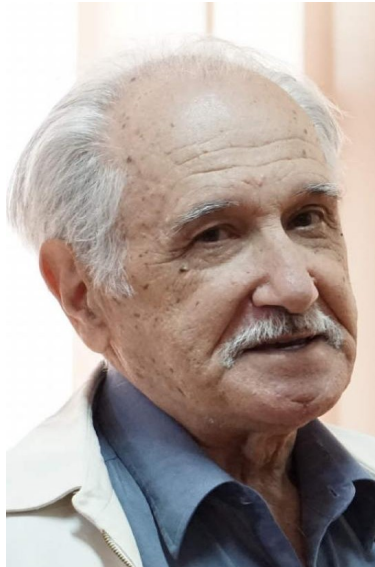


IN MEMORIAM

PROFESSOR DR. NICOLAE TIȚA 12.02.1935 - 11.10.2025



In 2012, recalling the beginnings of his teaching career, which coincided with the beginning of high school education in Azuga, Professor Nicolae Tița wrote:

”Nu pentru gândurile și intențiile bune poți fi remarcat, ci pentru transpunerea acestora în fapte.” *N. Tița, Izvorul, Brașov, 2012.*

We, the generations of mathematicians and engineers who were his students, confess that we owe him the courage, perseverance, and professional success that he inspired in us.

Professor Nicolae Tita was born on February 12, 1935 in the village of Zeicoi, Dănciulești commune, Gorj county. The son of priest Ion Tița and Maria, his wife. He pursued his early education in his native commune. Between 1946 and 1953 he attended the *Carol I National College* in Craiova. From the beginning of high school, he demonstrated remarkable abilities in learning and teaching mathematics. Later, his passion for studying mathematics was noticed by the dean of the Faculty of Mathematics, Professor Gh. Mihoc, who invited Nicolae Tița to Bucharest - in March 1953 - to attend the courses of the *Faculty of Mathematics of the University of Bucharest*. In the autumn of the same year, Nicolae Tița was admitted to this faculty without a competition. During his university studies, he stood out for his very good academic results. He completed his studies at the *Faculty of Mathematics of the University of Bucharest* in 1958.

He began his teaching career the same year at the Azuga Evening High School - *Liceul seral Azuga*. Between 1958 and 1962, he achieved remarkable results with his pupils. At the 1962 National Teaching Qualification Examination, he stood out as the only candidate in the country to solve the most difficult problem of that exam — a sign of his exceptional mathematical talent and perseverance. As a result, Professor Tița was invited to join the *Polytechnic Institute of Brașov*.

From 1962 to 1969, he joined the *Polytechnic Institute of Brașov*, serving as a university assistant and then as a university lecturer from 1969 to 1971. He continued his academic career at the newly established *University of Brașov* (founded

in 1971 through the merger of the Polytechnic Institute and the Pedagogical Institute and later renamed *Transylvania University of Braşov* in 1991), where he successively held the positions of university lecturer (1971–1990), associate professor (1990–1993) and full professor (1993–2005).

Throughout his career, Professor Nicolae Țița contributed decisively to the education of many generations of engineers and mathematicians through his profound and inspiring courses in *Mathematical Analysis*, *Functional Analysis*, and *Operator Theory*. His outstanding pedagogical vocation was always accompanied by a deep and rigorous scientific spirit. His main fields of research were *Functional Analysis* and *Operator Theory*, where his original results have left a lasting mark.

He earned his PhD in 1977 from the University of Bucharest with the thesis *Contributions to the Study of Certain Classes of Operators and Applications*, under the supervision of academician Romulus Cristescu. As early as 1968–1969, he obtained Ky Fan– and Horn-type inequalities, which led him to introduce and study the Schatten-type classes of operators within the framework of symmetric norming functions and Banach spaces. His work focused on interpolation and tensor product stability. For particular cases of symmetric norming functions, one can recover many later-established ideals of s -numbers (including those of Lorentz, Lorentz–Zygmund, and Orlicz types).

He introduced entropy ideals, which, in the case of Hilbert spaces, coincide with the Schatten ideals. He also proposed a class of locally convex spaces more general than the classes of nuclear and φ -nuclear spaces. Furthermore, he introduced and studied generalized approximation ideals in arbitrary normed algebras, a theory from which various classes of sequence spaces and ideals of s -numbers can be derived.

Professor Nicolae Țița was an Emeritus Member of the American Mathematical Society (AMS) and a member of the Mathematical Association of America (MAA). He delivered plenary lectures at numerous prestigious international conferences, among the most recent being the *Ukrainian Mathematical Congress* (Kiev, 2001), the *Banach Conference on Functional Analysis* (Lviv, 2002), and the *Conference on Functional Analysis* (Dubrovnik, 2003). Between 2013 and 2018, he was the organizer of the international conference *Classical and Functional Analysis*.

Through his erudition, integrity, and generosity, Professor Nicolae Țița inspired respect and admiration from all who had the privilege of knowing him. His legacy endures in the minds and hearts of his students and colleagues.

Professor, we remember you with deep gratitude and respect!

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