CURRICULUM VITAE

Horia-George Georgescu

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1. HIGHEST EDUCATION
- PhD Student in Mathematics, "Minimal and Maximal Operators Associated with some Classes of Pseudo-differential Operators and several Results on a Class of Nonlinear Equations", from 2020, until present (defense in progress).
- Master Graduate: "The theory of coding and information storage", Faculty of Applied Sciences, University "Politehnica" of Bucharest, 2018.
- B.A. (Mathematics), Faculty of Mathematics and Computer Science, University of Bucharest, 2016

2. TEACHING EMPLOYMENT
- Teacher of Mathematics, "Principesa Margareta" Secondary School, Bucharest, from 2016, until present.

3. TEACHING EXPERIENCE (TUTORIAL)
- Mathematical Analysis;
- Differential Equations.

4. RESEARCH DIRECTIONS
- Pseudo-differential operators as generalizations of partial differential operators (35S05)
- Pseudo-differential operators (47G30)
- Operators on Banach spaces (47B01)

4. PUBLICATIONS
1. V. Catană, **H-G. Georgescu**, *Essential spectra and semigroups of perturbations of generalized SG-hypoelliptic pseudo-differential operators on $L^p(\mathbb{R}^n)$*, J. Pseudo-Differ. Oper. Appl. 13, 25 (2022).
2. V. Catană, I-M. Flondor, **H-G. Georgescu**, *Generalized Fourier multipliers*, Ann. Funct. Anal. 14, 34 (2023).
3. V. Catană, **H-G. Georgescu**, I-M. Flondor, *On a Generalized Class of Nonlinear Equations Defined by Elliptic Symbols*, Bull. Malays. Math. Sci. Soc. 47, 109 (2024).

4. V. Catană, **H-G. Georgescu**, *Some Properties of Minimal and Maximal Operators in an Abstract Framework*, U.P.B. Sci. Bull., Series A: Applied Mathematics and Physics, Vol. 87, Iss. 1 (2025).

5. COMPUTER SKILLS
- C++;
- LaTeX;
- MATLAB;
- MS OFFICE.

6. COMMUNICATION SKILLS
Good communication skills in English.

Horia-George Georgescu
2025