

Curriculum Vitae

PhD student Claudia MICU,
Department of Mathematics & Informatics
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1 HIGHEST EDUCATION

- PhD Student in Mathematics, "An algorithmic approach of some fixed point problems", from 2023, October 1, until present.
- Master Graduate: "Optimal Dynamical Systems & Financial Models for Economy", University "Politehnica" of Bucharest, June 2023.
- B.A. (Mathematics & Informatics), University POLITEHNICA of Bucharest, July 2021.

2 ACADEMIC/RESEARCH EMPLOYMENT

- Assistant Professor, Department of Mathematics & Informatics, National University of Science and Technology "Politehnica" Bucharest, from October 1, 2023 until present.

3 TEACHING EXPERIENCE (TUTORIAL)

- Numerical Analysis;
- Differential Equations.
- Techniques for Image Processing.

4 RESEARCH DIRECTIONS

- Methods for solving nonlinear operator equations (47J25);
- Fixed-point theorems (47H10); Fixed-point and coincidence theorems (54H25).

5 MEMBERSHIP

- Research Group on Nonlinear Analysis and Optimization.

6 COMPUTER SKILLS

- Advanced in $\text{\LaTeX}$.
- MS Office.
- Matlab.
- C, C++, HTML, CSS, PHP, MySQL.

7 COMMUNICATION SKILLS

- Medium proficiency in English.

8 MANUSCRIPTS IN PROGRESS

- Luhong Zhang, Lijun Zhu, Claudia Micu, Algorithm analysis of solving variational inequality problems based on the two-step inertial Mann method, Politehn. Univ. Bucharest Sci. Bull. Ser. A Appl. Math. Phys., 87 (2025), no. 2, 113-126.
- New shrinking projection technique for variational inequalities with enriched demimetric mappings [joint study with I.K. Agwu (Nigeria) and U. Ishtiaq (Pakistan)].
- Numerical algorithms for generalized enriched mappings.

Claudia MICU

Date: 22 September, 2025