



Andrei-Florin Albişoru

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WORK EXPERIENCE

01/2020 – CURRENT Cluj-Napoca, Romania

ASSISTANT PROFESSOR BABES-BOLYAI UNIVERSITY, FACULTY OF MATHEMATICS AND COMPUTER SCIENCE

10/2023 – 06/2024 Cluj-Napoca, Romania

MENTOR BABES-BOLYAI UNIVERSITY, FACULTY OF MATHEMATICS AND COMPUTER SCIENCE

- Project Director : Vice-Rector, Assoc. Prof. PhD Soos Anna
- Project Name : ROSE - Stop Abandonului la Mate-Info.

05/2022 – 10/2023 Cluj-Napoca, Romania

TRAINER (POCA/831/1/2/140086) BABEŞ-BOLYAI UNIVERSITY, FACULTY OF MATHEMATICS AND COMPUTER SCIENCE

- Project name (Romanian): Dezvoltarea și implementarea de politici și instrumente unitare și moderne de management al resurselor umane

08/2021 – 06/2022 Cluj-Napoca, Romania

MENTOR BABES-BOLYAI UNIVERSITY, FACULTY OF MATHEMATICS AND COMPUTER SCIENCE

- Project Director : Vice-Rector, Assoc. Prof. PhD Soos Anna
- Project Name : ROSE - Stop Abandonului la Mate-Info.

10/2017 – 12/2019 Cluj-Napoca, Romania

SCIENTIFIC RESEARCH ASSISTANT (PN-III-P4-ID-PCE-2016-0036) BABEŞ-BOLYAI UNIVERSITY, FACULTY OF MATHEMATICS AND COMPUTER SCIENCE

- Project Director : Prof. PhD Pop Ioan.
- Project Name : Heat and Mass Transfer in Nanofluids.
- Funding Source : CNCS-UEFISCDI.
- Volume : 800.000 RON.
- Project Site: math.ubbcluj.ro/~ipop/project2.htm

09/2016 – 12/2016 Cluj-Napoca, Romania

SOFTWARE TESTING INTERN ALTOM CONSULTING

08/2015 – 10/2015 Cluj-Napoca, Romania

TEACHING ASSISTANT ROYAL SCHOOL IN TRANSYLVANIA

EDUCATION AND TRAINING

10/2017 – 09/2024 Cluj-Napoca, Romania

PHD IN MATHEMATICS Babeş-Bolyai University, Faculty of Mathematics and Computer Science

- Coordinator : Prof. PhD Kohr Mirela.

Field of study Mathematics | **Level in EQF** EQF level 8 |

Thesis Contributions to the Theory of Elliptic Boundary Value Problems and Their Applications in Fluid Mechanics

09/2015 – 07/2017 Cluj-Napoca, Romania

MASTER'S DEGREE IN MATHEMATICS Babeş-Bolyai University, Faculty of Mathematics and Computer Science

- Coordinator : Prof. PhD Kohr Mirela.

Field of study Mathematics | **Level in EQF** EQF level 7 |

Thesis Boundary Value Problems for the Stokes and Navier-Stokes systems in Bounded Lipschitz Domains. A Layer Potential Approach

09/2012 – 07/2015 Cluj-Napoca, Romania

BACHELOR IN MATHEMATICS Babeş-Bolyai University, Faculty of Mathematics and Computer Science

- Valedictorian of the Mathematics - Computer Science profile (Romanian), 2012-2015.

Field of study Mathematics | **Level in EQF** EQF level 6

● **MOTHER TONGUE**

Mother tongue

Romanian.

● **OTHER LANGUAGES**

Other languages

English - Proficient user.

German - Intermediate user.

● **COMPUTER SKILLS**

Computer skills

Microsoft Office, Python, Matlab, Mathematica.

● **SCIENTIFIC PAPERS**

Scientific Papers

1. Albisoru, A.F., A layer potential analysis for transmission problems for Brinkman-type systems in Lipschitz domains in \mathbb{R}^3 , *Mathematische Nachrichten*, 292 (9), 1876-1896, 2019.
2. Albisoru, A.F., A note on a Transmission-type problem for the generalized Darcy-Forchheimer-Brinkman and Brinkman systems in complementary Lipschitz domains in \mathbb{R}^3 , *Studia Universitatis Babeş-Bolyai Series Mathematica*, 64 (3), 2019.
3. Albisoru, A.F., On transmission-type problems for the generalized Darcy-Forchheimer-Brinkman and Stokes systems in complementary Lipschitz domains in \mathbb{R}^3 , *Filomat*, 33 (11), 3361-3373, 2019.
4. Albisoru, A.F., A Poisson Problem of Transmission-type for the Stokes and generalized Brinkman systems in complementary Lipschitz domains in \mathbb{R}^3 , *Taiwanese Journal of Mathematics*, 24 (2), 331-354, 2020.
5. Albisoru, A.F., Stroe, M., A unitary treatment of certain inequalities involving means, *Kragujevac Journal of Mathematics* 45 (2), 181-190, 2021.
6. Albisoru, A.F., Ghisa, D., Conformal Self-Mappings of the Fundamental Domains of Analytic Functions and Computer Experimentation, *WSEAS Transactions on Mathematics* 22, 652-665, 2023.
7. Albisoru, A.F., Ghisa, D., Conformal Self-Mappings of the Complex Plane with Arbitrary Number of Fixed Points, *WSEAS Transactions on Mathematics* 22, 971-979, 2023.
8. Albisoru, A.F., M. Kohr, I. Papuc, W.L., Wendland, On some Robin-transmission problems for the Brinkman system and a Navier-Stokes type system, *Mathematical Methods in Applied Sciences*, 47, 12590-12617, 2024.
9. Albisoru, A.F., Ghisa, D., Global Mapping Properties of Some Functions of Class S, *WSEAS Transactions on Mathematics* 23, 184-195, 2024.
10. Albisoru, A.F., Ghisa, D., Complex Analytic Functions with Natural Boundary, *WSEAS Transactions on Mathematics* 23, 791-801, 2024.

● **CONFERENCES AND TALKS**

Conferences and Talks

1. StudMath-It Students Conference, Aurel Vlaicu University Arad, Romania, 18.05.2017, title of the talk : A Boundary Value Problem for the Stokes and generalized Brinkman systems in Lipschitz domains.
2. Seminar of the Research Group in Mechanics and Astronomy, Babes-Bolyai University Cluj-Napoca, Romania, 25.05.2017, title of the talk : A Boundary Value Problem for the Stokes and generalized Brinkman systems in Lipschitz domains.
3. First Romanian Itinerant Seminar on Mathematical Analysis and its Applications, Babes-Bolyai University Cluj-Napoca, Romania, 20.04.2018-21.04.2018, title of the talk : A transmission-type problem for the Stokes and Brinkman systems.
4. Seminar of the Research Group in Mechanics and Astronomy, Babes-Bolyai University Cluj-Napoca, Romania, 31.05.2018, title of the talk : Transmission problems for Brinkman-type systems in Lipschitz domains in \mathbb{R}^3
5. 14-eme colloque Franco-Roumain de mathematiques appliquees, Bordeaux, France, 27.08.2018-31.08.2018, title of the talk : A transmission-type problem for the Stokes and Brinkman systems in Lipschitz domains in \mathbb{R}^3 .
6. Seminar of the Research Group in Mechanics and Astronomy, Babes-Bolyai University Cluj-Napoca, Romania, 27.09.2018, title of the talk : Contributions to the study of transmission problems for Brinkman-type systems in \mathbb{R}^3 .
7. Seminar of the Research Group in Mechanics and Astronomy, Babes-Bolyai University Cluj-Napoca, Romania, 20.06.2019, title of the talk : On some transmission problems for generalized Brinkman and Darcy-Forchheimer-Brinkman systems.
8. 9th ICIAM Valencia, Spain, 15.07.2019-19.07.2019, title of the poster : PA-061 Transmission problems for Brinkman-type systems in Lipschitz domains in \mathbb{R}^3 .
9. Seminar of the Research Group in Mechanics and Astronomy, Babes-Bolyai University Cluj-Napoca, Romania, 12.09.2019, title of the talk : On some transmission problems for Stokes and generalized Darcy-Forchheimer-Brinkman systems. A layer potential approach.
10. Seminar of the Research Group in Mechanics and Astronomy, Babes-Bolyai University Cluj-Napoca, Romania, 27.02.2020, title of the talk : Potential Theory and Boundary Element Method for the Laplace Equation. An introduction.
11. Workshop for Young Researchers in Mathematics, 12th edition, Iasi, Romania, 18.05.2023-19.05.2023, title of the talk : On some Robin-transmission problems for the Brinkman system and a Navier-Stokes type system
12. CSSM 2023, Babes-Bolyai University Cluj-Napoca, Romania, 20.05.2023, title of the talk : On some Robin-transmission problems for the Brinkman system and a Navier-Stokes type system
13. Seminar of the Research Group in Mechanics and Astronomy, Babes-Bolyai University Cluj-Napoca, Romania, 12.10.2023, title of the talk : On some Robin-transmission problems for the Brinkman system and a Navier-Stokes type system