

MEMORIU ȘTIINȚIFIC

Subsemnata Ciorogar Alexandra-Roxana, student doctorand în cadrul SCOSAAR, Școala Doctorală de Matematică, înmatriculat la data de 01.11.2019 în domeniul de studii universitare de doctorat Matematică, la conducătorul de doctorat C.S. I Dr Ruxandra Stavre, autor al tezei de doctorat cu titlul *Mathematical and numerical modelling in fluid-structure interaction problems* (Modelare matematică și numerică în probleme de interacțiune fluid-structură elastică), declar următoarele activități realizate în cadrul stagiului doctoral:

A. Lista de lucrări științifice

1. A. Ciorogar, R. Stavre, *A Thermal Fluid-Structure Interaction Problem: Modeling, Variational and Numerical Analysis*, Journal of Mathematical Fluid Mechanics, Volume 25, article number 37, 2023
2. R. Stavre, A. Ciorogar, *Influence of a Given Field of Temperature on the Blood Pressure Variation: Variational Analysis*, Numerical Algorithms and Simulations, Axioms, 14, no. 2, 88, 2025

B. Participări la conferințe/workshop-uri

1. Alexandra-Roxana Ciorogar, Ruxandra Stavre, Variational and numerical analysis of a thermal fluid-structure interaction problem, 39th Caius Iacob Conference on Fluid Mechanics and its Technical Applications, Bucharest, Romania, October 28-29, 2021
2. Alexandra-Roxana Ciorogar, Ruxandra Stavre, Mathematical and numerical modeling of a given field of temperature influence on the pressure variation in a fluid-structure interaction problem, International Symposium on Applied Mathematics and Engineering, Istanbul, Turkey, January 21-23, 2022
3. Alexandra-Roxana Ciorogar, Ruxandra Stavre, A thermal fluid-structure interaction model; approximation methods and numerical algorithms, International Applied Mathematics, Modelling and Simulation Conference, Paris, France, June 17-19, 2022
4. Alexandra-Roxana Ciorogar, Ruxandra Stavre, Variational and numerical analysis for a thermal fluid-structure interaction problem, International Workshop "Multiscale Modeling & Methods", Vilnius, Lithuania, October 24-26, 2022

Student-doctorand
Ciorogar Alexandra-Roxana