



ADMISSION TO DOCTORAL STUDIES

Session September 2022

Field of doctoral studies: Systems Engineering

Doctoral supervisor: Prof. SUCIU Constantin, PhD

TOPICS FOR THE ADMISSION TO DOCTORAL STUDIES

TOPIC 1: *Robust Out-of-distribution Input Detection in Deep Learning Based Classification and Regression - application to Medical Data and Images*

Recommended bibliography:

1. Goodfellow, I., et al. *Deep Learning. Adaptive Computation and Machine Learning Series*, MIT Press, 2016.
2. Jing, L., et al. *Self-supervised Visual Feature Learning with Deep Neural Networks: A Survey*, <https://arxiv.org/abs/1902.06162>, 2019.
3. Chen, J., et al. *Robust Out-of-distribution Detection for Neural Networks*, <http://arxiv.org/abs/2003.09711>, 2020.

Doctoral supervisor,

Prof. SUCIU Constantin, PhD



Coordinator of the field of doctoral studies,

Prof. MOLDOVEANU Florin Dumitru, PhD

