

ADMISSION TO DOCTORAL STUDIES

Session September 2026

Field of doctoral studies: Systems Engineering

Doctoral supervisor: Prof. Moldoveanu Florin Dumitru, PhD

TOPICS FOR THE ADMISSION TO DOCTORAL STUDIES

TOPIC: *Variable Structure System with Sliding Mode Control*

Recommended bibliography:

1. Hung, J.Y., Gao, W., Hung, J.C. *Variable Structure Control: A Survey*, IEEE Transactions on Industrial Electronics, Vol. 40, No. 1, February 1993, pp. 2-22.
2. Edwards, Ch., Spurgeon, S.K. *Sliding Mode Control. Theory and Applications*, Taylor & Francis, London, 1998.
3. Utkin, V., Guldner, J., Shi, J. *Sliding Mode Control in Electromechanical Systems*, Taylor & Francis, London, 1999.
4. Shtessel, Y., Edwards, Ch., Fridman, L., Levant, A. *Sliding Mode Control and Observation*, Control Engineering, Birkhauser Verlag, Springer, 2014.

Scientific Doctorate

Professional Doctorate

without tuition fee (state budget funded)

with tuition fee or with funding from other sources than the state budget

Doctoral supervisor,

Prof. Moldoveanu Florin Dumitru, PhD

Coordinator of the field of doctoral studies,

Prof. Suciú Constantin, PhD