

Conf. Dr. Ing. Cristina I. Muresan

Nr.crt.	Titlu	Scurta descriere	Cerinte	Nivel (licenta/master)
1	Proiect de diploma in colaborare cu firma Bosch		Tema si cerintele au fost discutate individual	Licenta (Voicu Horatiu)
2	Optimized control of a greenhouse		Tema si cerintele au fost discutate individual	Licenta (Tamas Calin)
3	Persistence of vision display		Tema si cerintele au fost discutate individual	Licenta (Muresanu Ionut)
4	Proiect de diploma in colaborare cu firma Bosch		Tema si cerintele au fost discutate individual	Licenta (Budusan Iulia)
5	Active seismic mitigation in a 3 floor structure		Tema si cerintele au fost discutate individual	Licenta (Todoran Marius)
6	Active seismic mitigation in a 3 floor structure		Tema si cerintele au fost discutate individual	Licenta (Moldovan Vladut)
7	Metode de control pentru procese multivariabile cu timp mort		Tema si cerintele au fost discutate individual	Master (Ciui Mariana)
8	Control of a twin rotor system		Tema si cerintele au fost discutate individual	Master (Ulici Alexandra)
9	Advanced control strategies for active vibration suppression in a smart beam		Tema si cerintele au fost discutate individual	Master (Birs Isabela)
10	Control of a twin rotor system		Tema si cerintele au fost discutate individual	Master (Betea Cristian)
11	Fractional order modelling in biomedical applications	- analysis of viscoelastic phenomena in the human circulatory system and development of a fractional order model for these phenomena	- excellent knowledge of system theory/ physics - a good aptitude towards reviewing and synthesizing results - excellent Matlab programming skills - ability to understand/ solve complex problems - knowledge of fractional calculus / ability to understand and use new information	Master

			fast	
12	Fractional order control in biomedical applications	- design of fractional order controllers (extension of classical algorithms PID/Adaptive/Robust/Predictive to fractional order)	- excellent knowledge of system theory/ control engineering / advanced process control (lectures taught during Master program) - a good aptitude towards reviewing and synthesizing results - excellent Matlab programming skills - ability to understand/ solve complex problems - knowledge of fractional calculus / ability to understand and use new information fast	Master
13	Fractional order model for a smart beam	- analysis of viscoelastic phenomena in the dynamics of a piezoelectric actuated smart beam and development of a fractional order model	- excellent knowledge of system theory - a good aptitude towards reviewing and synthesizing results - excellent Matlab programming skills - ability to understand/ solve complex problems - knowledge of fractional calculus / ability to understand and use new information fast	Master