

PROPUNERI DE TEME PENTRU LUCRAREA DE DISERTATIE  
Master EMBEDDED SYSTEMS  
Promotia 2017-2018

Nr. crt.	Coordonator	Titlul temei	Nume student
1.	Prof.dr.ing. Lucian VINTAN	Improving Multi-Objective Optimization of a Multicore System through <i>Domain-Knowledge</i>	
		Comparing Some Feature Selection Methods	
		Using Feature Selection Algorithms for Complex Computing Systems Optimization	
2.	Prof.dr.ing. Daniel VOLOVICI	Validation methods of Artificial Neural Networks' implementations	
		Construction of super-resolution images	
3.	Prof. dr. ing. Remus BRAD	Traffic Congestion Avoidance - Monitoring of vehicles and pedestrian levels to optimize driving and walking routes	
		Traffic Jam Detection Using Image Processing	
		The development of a Computer Vision based Attendance System	
4.	Prof.dr.ing. C-tin BĂLĂ-ZAMFIRESCU	Crescendo, Overture, INTO-CPS based model	
		Integration of co-simulation methods with real-time CPS	
5.	Conf.dr.ing. Ioan Z. MIHU	Tema 1	
		Tema 2	
		Tema 3	
		Tema 4	
		Tema 5	
6.	Conf. dr. ing. Dorin SIMA	Enterprise System Development in .Net	
		Embedded Systems Programming <a href="http://www.embeddedrelated.com/blogs-1/nf/all/Tutorials.php">http://www.embeddedrelated.com/blogs-1/nf/all/Tutorials.php</a>	
		Web of Things with Sun SPOTS <a href="http://sunspotworld.com/S314730_Sun_SPOTS_Web_Of_Things/index.html">http://sunspotworld.com/S314730_Sun_SPOTS_Web_Of_Things/index.html</a>	
		Software Engineering for Embedded Systems <a href="http://www.sciencedirect.com/science/book/9780124159174">http://www.sciencedirect.com/science/book/9780124159174</a>	
7.	Conf.dr.ing. Cornel RENTEA	Discrete Control Systems Analysis. Control action from P.I.D simulation - Matlab	
		Block Representation of M.I.M.O Control Systems-Matlab	
		Computer simulation of a discret state system- Matlab	
8.	Conf.dr.ing. Macarie BREAZU	Remote controlled robot (for Robocup Small Size Soccer League)	
9.	Conf.dr. ing. Daniel MORARIU	A virtual embedded microcontroller laboratory	
		Artificial intelligence for a line follow robot	
10.	Conf. dr. ing. Arpad GELLERT	Web page prefetching using metapredictors	
		Loads management in energy storage systems using time series	
		Next location prediction in a cellular network	
11.	Ș.I.dr.ing. Adalbert GOLOMETY	Gramatici bi-paralele in modelarea proceselor distribuite	

Director Departament,  
prof.dr.ing. Daniel VOLOVICI

Responsabil diplome,  
Prof.dr.ing. Remus BRAD