

PROPUNERI DE TEME PENTRU LUCRAREA DE DIZERTATIE
Master EMBEDDED SYSTEMS

Promotia 2016-2017

Nr. crt.	Coordonator	Titlul temei
1.	Prof.dr.ing. Lucian VINTAN	System-on-Chip Automatic Multi-Objective Optimization
2.		A Study of Latent Dirichlet Allocation with applications in Information Retrieval
1.	Prof.dr.ing. Daniel VOLOVICI	Recurrent Neural Networks
2.		Feedforward Neural Network with Backpropagation
3.		VR for controlling drones
4.	Prof.dr.ing. Ioan P. MIHU	Implementarea filtrelor numerice pe procesoare numerice de semnal din familia Microchip
5.	Prof.dr.ing. Ioan P. MIHU	Biblioteci pentru facilitarea declarării de variabile în virgulă fixă și a operării cu acest tip de variabile, pentru creșterea vitezei de procesare în filtrarea numerică.
6.	Prof.dr.ing. Ioan P. MIHU	Filtre Kalman.
7.	Conf.dr.ing. Ioan Z. MIHU	
8.		
9.		
10.	Prof.dr.ing. C-tin BĂLĂ-ZAMFIRESCU	Integration of co-simulation methods into a real-time platform for CPS
11.		Multi-paradigm modeling for CPS
12.		Human–swarm interaction
13.	Prof. dr. ing. Remus BRAD	Wireless traffic simulation
14.		Optical flow extraction from image sequences
15.	Conf.dr.ing. Macarie BREAZU	Remote controlled robot (for Robocup Small Size Soccer League)
16.		Controlling a robot using SSL-Vision system
17.	Conf.dr.ing. Cornel RENTEA	Discrete Control Systems Analysis. Control action from P.I.D simulation - Matlab
18.		Block Representation of M.I.M.O Control Systems-Matlab
19.		Computer simulation of a discret state system- Matlab
20.	Conf. dr. ing. Dorin SIMA	Embedded Systems Programming http://www.embeddedrelated.com/blogs-1/nf/all/Tutorials.php
21.		Web of Things with Sun SPOTs http://sunspotworld.com/S314730_Sun_SPOTs_Web_Of_Things/index.html
22.		Software Engineering for Embedded Systems http://www.sciencedirect.com/science/book/9780124159174
23.	Conf.dr. ing. Daniel MORARIU	Real Time Operating System synchronized with a CAN bus.
24.		Simulation the scheduling algorithms in a microcontroller with RTOS.
25.	Conf. dr. ing. Arpad GELLERT	Loads management in energy storage systems using context-based methods
26.		Loads management in energy storage systems using time series
27.		Next location prediction in a cellular network

Director Departament,
prof.dr.ing. Daniel VOLOVICI

Responsabil diplome,
Prof.dr.ing. Remus BRAD