

PROPUNERI DE TEME PENTRU LUCRAREA DE DIZERTATIE
Master EMBEDDED SYSTEMS

Promotia 2015-2016

Nr. crt.	Coordonator	Titlul temei
1.	Prof.dr.ing. Lucian VINTAN	System-on-Chip Automatic Multi-Objective Optimization
2.		Implementing <i>Load Balancing</i> Methods for Massive Parallel Applications
1.	Prof.dr.ing. Daniel VOLOVICI	Recurrent Neural Networks
2.		Shannon Mind Reader Machines (cu microcontroller)
3.		Feedforward Neural Network with Backpropagation
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. C-tin BĂLĂ-ZAMFIRESCU	Tegra Jetson K1 Cuda Research
7.		Raspberry pi farms and distributed architectures
8.	Prof. dr. ing. Remus BRAD	Wireless traffic simulation
9.		TCP sliding window study
10.	Conf.dr.ing. Macarie BREAZU	Remote controlled robot (Raspberry Pi)
11.		Controlling a robot using SSL-Vision system
12.	Conf.dr.ing. Cornel RENTEA	Discrete Control Systems Analysis. Control action from P.I.D simulation - Matlab
13.		Block Representation of M.I.M.O Control Systems-Matlab
14.		Computer simulation of a discret state system- Matlab
15.	Conf. dr. ing. Dorin SIMA	Embedded Systems Programming http://www.embeddedrelated.com/blogs-1/nf/all/Tutorials.php
16.		Web of Things with Sun SPOTs http://sunspotworld.com/S314730_Sun_SPOTs_Web_Of_Things/index.html
17.		Software Engineering for Embedded Systems http://www.sciencedirect.com/science/book/9780124159174
18.	Conf.dr. ing. Daniel MORARIU	Real Time Operating System synchronized with a CAN bus.
19.		Simulation the scheduling algorithms in a microcontroller with RTOS.
20.	S.l. dr. ing. Arpad GELLERT	Loads management in energy storage systems using context-based methods
21.		Parallel image processing framework
22.		Next location prediction in a cellular network

Director Departament,
prof.dr.ing. Daniel VOLOVICI

Responsabil diplome,
Prof.dr.ing. Remus BRAD