PROPUNERI DE TEME PENTRU LUCRAREA DE DIZERTATIE
Master EMBEDDED SYSTEMS

Promotia 2013-2014

Nr. crt.	Coordonator	Titlul temei
1.	Prof.dr.ing. Lucian VINTAN	Systems-on-Chip Automatic Multi-Objective Optimization
1.	Prof.dr.ing. Daniel VOLOVICI	Game development environment (artificial life)
2.		Plagiarism detection
3.		Autonomous robots for map creation
4.	Prof.dr.ing. Ioan P. MIHU	Creşterea vitezei de procesare în sistemele incorporate, folosind calculele în virgulă fixă.
5.	Prof.dr.ing. Ioan P. MIHU	Folosirea microcontrolerelor cu consum redus de energie
6.	Conf.dr.ing. Ioan Z. MIHU	Design, test and optimization of embedded applications on C166 hardware platform
7.		Design of a real time kernel for 16 bit microcontrollers of C166 family
8.		Networking in automotive
9.	conf.dr.ing. C-tin BĂLĂ-ZAMFIRESCU	Simulation and optimization of manufacturing control systems
10.		(FESTO line)
11.	Conf. dr. ing. Remus BRAD	WLAN monitoring software
12.	Conf.dr.ing. Macarie BREAZU	Remote controlled robot
13.		SD-card acces from ES
14.	Conf.dr.ing. Cornel RENTEA	Function Block Diagram Programming for Communication Module- Programmable Logic Controller MODBUS Configuration. Examples with Application and Experiment Prototyping.
15.		Network modules for Ethernet with direct connection microcontrollers-PLC FX-Melsec. Practical application for positioning system.
16.	Conf. dr. ing. Dorin SIMA	Wireless sensor network http://en.wikipedia.org/wiki/Wireless_sensor_network http://www.sunspotworld.com/docs/ http://sensor.network.com/rest/faqs.jsp
17.		Web of Things with Sun SPOTs http://sunspotworld.com/S314730_Sun_SPOTs_Web_Of_Things/index.html
18.		Wireless ad hoc network http://en.wikipedia.org/wiki/Wireless_ad_hoc_networks http://en.wikipedia.org/wiki/List_of_ad_hoc_routing_protocols http://www.ipd.uni-karlsruhe.de/KSN/ http://compnetworking.about.com/cs/wirelessfaqs/f/adhocwireless.htm
19.		WebServices for Devices http://ws4d.e-technik.uni-rostock.de/2010/ws4d-jmeds-port-for-sunspots/ http://www.sunspotworld.com/
20.	Conf. dr. ing. Daniel MORARIU	Real Time Operating System synchronized with a CAN bus.
21.		Monitoring and control a technological process.
22.	S.l.ing. Horia CAPRITA	Protocoale avansate de comunicatii in retelele automotive. Studiu de caz.
23.		Arhitecturi de microcontroller-e multicore. Aplicatie demonstrativa.
24.		Modelarea, simularea si generarea aplicatiilor embedded utilizand Matlab.
25.		Generatoare de cod C (plugets) care utilizeaza informatii conforme cu standardul Autosar.
26.	S.l. dr. ing. Arpad GELLERT	Thermal analysis of microarchitectures with selective value predictor

Director Departament,   Responsabil diplome,

prof.dr.ing. Daniel VOLOVICI   conf.dr.ing. Remus BRAD