

ISSUES PROPOSALS FOR ES MASTER DISSERTATION 2010-2011

No	Scientific Advisor	Issue Title
1	Prof.dr.ing. Lucian VINTAN	Integrating Power Consumption Evaluations in a Network on a Chip Simulation Framework
2	Prof.dr.ing. Lucian VINTAN	Interfacing an Automatic Design Space Exploration Framework with some Multicore Simulators
3	Prof.dr.ing. Lucian VINTAN	Implementing Fault Tolerance in a Network on a Chip Simulation Framework
4	Prof.dr.ing. Daniel VOLOVICI	MATLAB Simulation of solid bodies in rotating magnetic and gravitational field
5	Prof.dr.ing. Daniel VOLOVICI	Environmental applications of document clustering
6	Prof.dr.ing. Daniel VOLOVICI	Game development environment (artificial life)
7	Conf.dr.ing. Ioan Z. MIHU	Design, test and optimization of embedded applications on C166 hardware platform
8	Conf.dr.ing. Ioan Z. MIHU	Design of a real time kernel for 16 bit microcontrolles of C166 family
9	Conf.dr.ing. Ioan Z. MIHU	Networking in automotive
10	conf.dr.ing. Adrian FLOREA	Trace-driven simulator for hierarchical memory system analysis in multicore architectures using interactive animation.
11	conf.dr.ing. Adrian FLOREA	Reducing energy consumption of SMT microprocessors via thread fusion and value reuse.
12	conf.dr.ing. Adrian FLOREA	Dynamic improvment of program's locality in Java applications.
13	conf.dr.ing. Adrian FLOREA	Hierarchical memory management system in CMP architectures.
14	Conf.dr.ing. Cornel RENTEA	Discrete Control Systems Analysis. Control action from P.I.D simulation – Matlab
15	Conf.dr.ing. Cornel RENTEA	Block Representation of M.I.M.O Control Systems-Matlab
16	Conf.dr.ing. Cornel RENTEA	Computer simulation of a discret state system- Matlab
1	conf.dr.ing. C-tin BĂLĂ-ZAMFIRESCU	Assessing the convergence of multi-agent system
2	conf.dr.ing. C-tin BĂLĂ-ZAMFIRESCU	A case study for manufacturing control (simulation and optimization)
17	Conf.dr.ing. Dorin SIMA	Content Management System
18	Conf.dr.ing. Dorin SIMA	SysML based Systems Design
19	Conf.dr.ing. Dorin SIMA	Simulation-Based Design
20	Conf.dr.ing. Macarie BREAZU	Remote controlled robot using a video camera

2 1 .	Conf.dr.ing. Macarie BREAZU	Chess board with move transmission
2 2 .	Conf.dr.ing. Macarie BREAZU	Simulator of RTOS Scheduler
2 3 .	Conf.dr.ing. Macarie BREAZU	Codor JPEG
2 4 .	s.l.dr.ing. C-tin DIACONESCU	Implementation of a PID controller on a circuit automatically CPLD
2 5 .	s.l.dr.ing. C-tin DIACONESCU	System of medical records of patients using ID cards
2 6 .	s.l. dr .ing. Daniel MORARIU	Monitoring and control a technological process using microcontroller.
2 7 .	s.l. dr .ing. Daniel MORARIU	Analysis and forecast of the operation of a rotating systems using microcontrollers.
2 8 .	s.l. dr .ing. Daniel MORARIU	Monitoring Web pages.
2 9 .	s.l.ing. Horia CAPRITA	Operating systems for microcontrollers
3 0 .	s.l.ing. Horia CAPRITA	Study of CAN architecture. CanoE system
3 1 .	Asist. dr. ing. Arpad GELLERT	Improving multicore systems with selective anticipatory techniques

Head of Department,

Assoc. Prof. PhD. Ioan Z. MIHU