ISSUES PROPOSALS
FOR **ACS** MASTER DISSERTATION
2010-2011

No	Scientific Advisor	Issue Title
1.	Prof.dr.ing. Lucian VINTAN	A Simulation Framework for Network on a Chip Architectures Design, Evaluation and Optimization
2.	Prof.dr.ing. Lucian VINTAN	Implementing Parallel Multi-Objective Optimization Algorithms in a Distributed Design Space Exploration Framework for Multicore Architectures
3.	Prof.dr.ing. Daniel VOLOVICI	Developing an online multiplayer game
4.	Prof.dr.ing. Daniel VOLOVICI	Analysis of heuristic methods applicable to the programs to play chess
5.	Conf.dr.ing. Ioan Z. MIHU	Neural Network System for handwritten character recognition
6.	Conf.dr.ing. Ioan Z. MIHU	Recurent Neural Networks in applications : Associative Memories and Hopfield Networks
7.	conf.dr.ing. Adrian FLOREA	Considerations on the performance of processing power and heat dissipation in SMT and CMP architectures.
8.	conf.dr.ing. Adrian FLOREA	Improving processing performance using hybrid prediction scheme for indirect jumps.
9.	conf.dr.ing. Adrian FLOREA	Heuristic search methods in parameter space of applications, compiler optimizations and architecture.
10.	Conf. dr.ing. Adi MITEA	Techniques for developing parallel applications
11.	Conf. dr.ing. Adi MITEA	Distributed applications techniques
12.	conf.dr.ing. C-tin BĂLĂ-ZAMFIRESCU	The collective intelligence of collaborative working environments
13.	Conf.dr.ing. Macarie BREAZU	EZW coder
14.	Conf.dr.ing. Macarie BREAZU	SPIHT coder
15.	Conf.dr.ing. Macarie BREAZU	JPEG-LS coder
16.	Conf.dr.ing. Remus BRAD	Audio file classification and analysis
17.	Conf.dr.ing. Remus BRAD	Optical flow extraction from image sequences
18.	Conf.dr.ing. Remus BRAD	Medical imaging application
19.	Conf.dr.ing. Dorin SIMA	Algebraic specification of OO systems

20.	Conf.dr.ing. Dorin SIMA	Functional Testing Tool
21.	Conf.dr.ing. Rodica BACIU	Texture synthesis techniques
22.	Conf.dr.ing. Rodica BACIU	Surface Repair Algorithms
23.	Conf.dr.ing. Rodica BACIU	Study on graphical representation of displacement
24.	s.l.ing. Horia CAPRITA	Neural architecture for handwritten recognition
25.	s.l.ing. Horia CAPRITA	Neural architecture for typewritten recognition
26.	Asist. dr. ing. Arpad GELLERT	Thermal analysis of microarchitectures with selective value predictor

Head of Department,

Assoc. Prof. PhD. Ioan Z. MIHU