

PROPUNERI DE TEME PENTRU LUCRAREA DE DIZERTATIE
Master ADVANCED COMPUTING SYSTEMS

Promotia 2011-2012

Nr. crt.	Coordonator	Titlul temei
1.	Prof.dr.ing. Lucian VINTAN	A Simulation Framework for Network on Chip Architectures Design, Evaluation and Optimization
2.		Advanced Multi-Objective Optimization Techniques in a Distributed Design Space Exploration Framework for Multicore Architectures
3.		Multi-Objective Design Space Exploration for Network-on-Chip Architectures
4.	Prof.dr.ing. Daniel VOLOVICI	Developing an online multiplayer game
5.		Document semantic representation of texts in romanian language
6.		Analysis of heuristic methods applicable to the chess playing programs
7.	Conf.dr.ing. C-tin BĂLĂ-ZAMFIRESCU	The collective intelligence of collaborative working environments
8.		Assessing the convergence of multi-agent system
9.	Conf. dr.ing. Adi MITEA	Developing Grid application in Globus Toolkit.
10.		Developing Grid services in OGSI.
11.		OHS – Software for evaluation of compliance with the OHS legal requirements
12.	Conf.dr.ing. Ioan Z. MIHU	Neural Network System for handwritten character recognition
13.		Neural Network System for geometric shapes recognition
14.	Conf.dr.ing. Rodica BACIU	Multitexturarea in DirectX
15.		Algoritmi pentru reprezentarea triangularizată a mesh-elor
16.		Metode pentru reprezentarea 3D pe dispozitivele mobile
17.	Conf.dr.ing. Macarie BREAZU	Near-lossless image compression using 2D LZ77
18.		JPEG2000
19.		MP3 decoder
20.	Conf.dr.ing. Remus BRAD	Optical flow analysis and improvement
21.		Echocardiographic motion processing
22.	Conf. dr. ing. Dorin SIMA	Analysis and Design of Multi Agent Systems http://jade.tilab.com/doc/tutorials/JADE_methodology_website_version.pdf
23.		Multi Agent Systems for Java Sun Spot http://personal.ee.surrey.ac.uk/Personal/F.Ganz/leapSpot.html https://github.com/mcpat/microjiac-public/blob/master/README http://www.agentfactory.com/index.php/AFME_Programming_Guide
24.	Conf. dr. ing. Adrian FLOREA	Considerații asupra performanței de procesare, energiei și disipației termice în arhitecturi SMT și CMP.
25.		Implementarea și simularea trace-driven a unor predictoare de salturi de tip „state-of-the-art”.
26.		Metode de căutare euristica optimizata în spațiul parametrilor aplicațiilor, compilatorului și al arhitecturii cercetate.
27.	S.l.ing. Horia CAPRITA	CUDA Programming: from architecture to application
28.		CHAPEL Programming: creating scientific parallel programs
29.	Asist. dr. ing. Arpad GELLERT	Improving SMT architectures with selective anticipatory techniques
30.		Improving multicore systems with selective anticipatory techniques

Sef Catedra,

conf.dr.ing. Ioan Z. MIHU

Responsabil diplome,

conf.dr.ing. Remus BRAD