

Doctoral thesis defended in IOSUD - UPT in the academic year 2011-2012 ([further details](#))

Crt. No	Date	Author	Doctoral thesis title	Doctoral supervisor	Doctoral studies field
1	07.10.2011	Cristian MINCA	CONTRIBUTION AT INTERACTION` S STUDY BETWEEN TYPE AND ROAD IN PARTICULARE CONDITIONS OF MOVEMENT	Ion DANILA	Mechanical Engineering
2	07.10.2011	Floarea Maria BREBU	CONTRIBUTION REGARDING THE TOPO-GEODETIC EVALUATION OF THE CONSTRUCTIONS MOVEMENTS AND DEFORMATIONS	Marin MARIN	Civil Engineering
3	12.10.2011	Sergiu-Flavius JIANU	CONTRIBUTION REGARDING TORRENTIAL CORRECTION SYSTEMS WITH REFERENCE TO BIPHASIC FLOW	Mircea BARGLAZAN	Mechanical Engineering
4	17.10.2011	Istvan DEMETER	SEISMIC RETROFIT OF PRECAST RC WALLS BY CFRP COMPOSITES	Valeriu STOIAN	Civil Engineering
5	21.10.2011	Ion Bogdan TITA	CONTRIBUTIONS TO THE STUDY OF COMPATIBILITY AND THERMAL STABILITY OF SOME NON-STEROIDAL ANTI-INFLAMMATORY DRUGS (NSAID). THE SYNTHESIS OF THEIR COMPLEXES	Mircea STEFANESCU	Chemical Engineering
6	22.10.2011	Andrei TERNAUCIUC	CONTRIBUTIONS TO THE DEVELOPMENT OF COMMUNICATION TOOLS IN ONLINE EDUCATIONAL PLATFORMS	Radu VASIU	Electronic Engineering and Telecommunications
7	24.10.2011	Ana- Andreea MIHARTESCU	INTEGRATION OF USER REQUIREMENTS IN PRODUCT DESIGN PHASE	George DRAGHICI	Industrial Engineering
8	24.10.2011	Valentina- Liliana BIRA	OPTIMIZATION OF CHIP-BASED ELECTROSPRAY MASS SPECTROMETRIC METHODS FOR BIOMOLECULE ANALYSIS	Lucian RUSNAC	Chemical Engineering
9	28.10.2011	Corina-Iuliana COSTESCU	STABILIZATION OF SOME BIOACTIVE COMPOUNDS FROM <i>COMPOSITAE</i> FAMILY PLANTS BY NANOENCAPSULATION IN CYCLODEXTRINS	Alfa Xenia LUPEA	Chemical Engineering
10	04.11.2011	Rodica BADARAU	CONTRIBUTIONS CONCERNING THE STUDY OF UNCASED AXIAL TURBOMACHINES	Francisc GYULAI	Mechanical Engineering
11	04.11.2011	Cosmina CHISE	HYBRID ANALYTICAL-SIMULATION MODEL FOR PERFORMANCE PREDICTION OF DISTRIBUTED SYSTEMS	Ioan JURCA	Computers and Information Technology
12	09.11.2011	Gabriel GASPARESCU	VIRTUAL INSTRUMENTATION FOR POWER QUALITY MONITORING SYSTEMS	Alimpie IGNEA	Electronic Engineering and Telecommunications
13	10.11.2011	Ilie PISOI	CONTRIBUTIONS TO THE REFURBISHMENT OF DRINKING WATER TREATMENT FLOW OF THE LOW TURBIDITY SURFACE WATER	Georgeta BURTICA	Chemical Engineering
14	11.11.2011	David George CRISTEA	UNIVERSAL SIGNAL CONDITIONING SYSTEM FOR ELECTROCHEMICAL AND BIOLUMINESCENT SENSOR ARRAY	Virgil TIPONUT	Electronic Engineering and Telecommunications

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15	11.11.2011	Zoltan HARASZY	RESEARCH IN THE FIELD OF HUMAN-COMPUTER INTERFACES WITH APPLICATIONS IN BLIND PEOPLE GUIDANCE USING ACOUSTIC SIGNALS	Virgil TIPONUT	Electronic Engineering and Telecommunications
16	17.11.2011	Agneta-Elisabeta LOVASZ	DEVELOPING A DIGITAL LIBRARY OF MECHANISMS	Dan PERJU	Mechanical Engineering
17	17.11.2011	Cristian Emil MOLDOVAN	CONTRIBUTIONS TO THE ANALYSIS AND SYNTHESIS OF CENTRODE TYPE MECHANISMS	Dan PERJU	Mechanical Engineering
18	18.11.2011	Georgeta-Sofia POPESCU	THE COMPOSITION AND STRUCTURE STUDY OF THE RENO-URINARY CALCULI BY PERFORMANT PHYSICO-CHEMICAL METHODS	Mircea STEFANESCU	Chemistry
19	25.11.2011	Ciprian-Leontin STANCIU	BEHAVIORAL MONITORING OF SOFTWARE PROJECTS	Vladimir CRETU	Computers and Information Technology
20	25.11.2011	Razvan Dorel CIOARGA	EMERGENT BEHAVIOR PATTERNS MODELING IN COLLABORATIVE ROBOTIC ENVIRONMENTS AND INTELLIGENT SENSOR NETWORKS	Vladimir CRETU	Computers and Information Technology
21	26.11.2011	Radu MIRSU	INFORMATION PROCESSING USING LIQUID STATE MACHINES BASED ON SPIKING NEURONS	Virgil TIPONUT	Electronic Engineering and Telecommunications
22	26.11.2011	Robert Istvan LORINCZ	CONTRIBUTIONS TO THE OPTIMIZATION OF PERMANENT MAGNET BRUSHLESS DC MOTOR CONTROL SYSTEMS	Virgil TIPONUT	Electronic Engineering and Telecommunications
23	28.11.2011	Alin-Adrian ANTON	SPACE-TIME WINDOW RECONSTRUCTION IN PARALLEL HIGH PERFORMANCE NUMERIC SIMULATIONS	Vladimir CRETU	Computers and Information Technology
24	29.11.2011	Iulia Andreea PINZARU	FLAVONOIDS AND BIOCONJUGATES WITH BIOLOGICAL ACTIVITY: SYNTHESIS, ANALYSIS, AND ENHANCED BIOAVAILABILITY BY MOLECULAR ENCAPSULATION	Francisc PETER	Chemical Engineering
25	30.11.2011	Marcel TOPOR	CONTRIBUTIONS TO THE STUDY OF PERMANENT MAGNET SYNCHRONOUS MACHINES WITH NONOVERLAPPING WINDINGS	Ion BOLDEA	Electrical Engineering
26	05.12.2011	Florica Maria NAGHIU	ACCURATE DATA GATHERING IN WIRELESS SYSTEMS FOR ROBUST TRAFFIC MANAGEMENT	Ionel JIAN	Computers and Information Technology
27	09.12.2011	Mihai-Cosmin PASCARIU	CARBOHYDRATE BASED SURFACTANTS	Mircea RUSNAC	Chemical Engineering
28	12.12.2011	Ramona Georgeta RECEANU	HYDROLOGIC MODELING OF WETLANDS AS INFRASTRUCTURE FOR SUSTAINABLE RURAL DEVELOPMENT	Eugen MAN	Civil Engineering

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29	16.12.2011	Petre-Lucian GHERMAN	OPTIMIZATION OF THE STEEL MAKING PROCESS CONTROL IN D.C. ELECTRIC ARC FURNACES	Flavius SURIANU	Power Engineering
30	19.12.2011	Paul Teodor MARC	DESIGN AND REALIZATION OF HIGH QUALITY ROAD PAVEMENTS	Ion COSTESCU Emmanuel ANTCZAK Florin BREABAN	Civil Engineering
31	20.12.2011	Livia Nicoleta CORICI	IMMOBILIZATION OF PROTEASE ALCALASE FOR APPLICATION IN PEPTIDE SYNTHESIS	Corneliu DAVIDESCU	Chemical Engineering
32	21.12.2011	Anamaria DABICI	OXIDIC MATERIALS WITH PHOTOCATALYTICAL ACTIVITY USED FOR MINERALIZATION OF DYES FROM WASTE WATER	Nicolae VASZILCSIN	Chemical Engineering
33	23.12.2011	Cezar-Florin TOADER	CONTRIBUTIONS TO THE ARCHITECTURE AND DEPENDABILITY OF WEB SERVICE ORIENTED DISTRIBUTED SYSTEMS	Nicolae ROBU	Computers and Information Technology
34	13.01.2012	Cristina-Laura STOLOJESCU	A WAVELETS BASED APPROACH FOR TIME SERIES MINING	Alexandru ISAR Philippe LENCA	Electronic Engineering and Telecommunications
35	20.01.2012	Constantin TANASA	FLOW-FEEDBACK FOR MITIGATION OF PRESSURE FLUCTUATIONS IN THE CONICAL DIFFUSER OF HYDRAULIC TURBINES	Romeo SUSAN-RESIGA	Mechanical Engineering
36	26.01.2012	Ion Petru RUSET	OPTIMIZATION OF OPERATING MODE OF THE MEDIUM VOLTAGE POWER NETWORKS WITH RESONANT EARTHED NEUTRAL	Constantin SORA	Electrical Engineering
37	27.01.2012	Adriana Ileana REMES	MULTI-WALL CARBON NANOTUBES-BASED COMPOSITE ELECTRODES FOR ELECTROANALYSIS APPLICATIONS	Georgeta BURTICA	Chemical Engineering
38	03.02.2012	Dragos BUZDUGAN	FERROMAGNETIC BULK AMORPHOUS ALLOYS WITH MAGNETIC SHIELDING APPLICABILITY	Viorel Aurel SERBAN	Materials Engineering
39	07.02.2012	Laura Ioana PARCALAB	DISASTER SOCIOLOGY AND ENGINEERING METHODS TO REDUCE THE IMPACT IN ABANDONED MINING AREAS FROM BANAT	Gheorghe ROGOBETE	Civil Engineering
40	10.02.2012	Andrei LIHU	DISAGREEMENTS - A NEW SOCIAL CONCEPT IN SWARM INTELLIGENCE AND EVOLUTIONARY COMPUTATION	Stefan HOLBAN	Computers and Information Technology
41	17.02.2012	Mihai IACOB	CONTROL SOLUTIONS WITH HARDWARE-IN-THE-LOOP AND SCADA SYSTEM FOR DRUM-BOILER TURBINE PROCESS IN THERMAL POWER PLANTS	Gheorghe-Daniel ANDREESCU	Systems Engineering
42	17.02.2012	Mihaela Elena BUCULEI	STUDIES AND RESEARCHES REGARDING THE USE OF UNCONVENTIONAL BIOFUEL FOR DIESEL ENGINES	Mihai NAGI	Mechanical Engineering

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43	20.02.2012	Mihai VOINESCU	CONTRIBUTIONS TO INCREASING THE PERFORMANCES OF TRANSTIBIAL PROSTHESES	Arjana DAVIDESCU	Mechanical Engineering
44	23.02.2012	Alexandru Adrian FABIAN	STUDY ON THE PERFORMANCES OF COMPOSITE STEEL CONCRETE STRUCTURAL SHEAR WALLS UNDER LATERAL LOADS	Valeriu STOIAN	Civil Engineering
45	23.02.2012	Iancu-Serban SERBAN	ULTRASONIC ACTIVATION STUDY OF THERMOPLASTIC POLYMERS` FLOW PROCESS IN MICROINJECTION MOLDING AND INJECTION OF THIN WALLED PARTS	Tudor ICLANZAN Patricia KRAWCZAK	Industrial Engineering
46	24.02.2012	Mariana SUBA	ALKALINE-EARTH ALUMINATES AND FERITTE-ALUMINATES SYNTHESIS BY COMBUSTION METHOD	Ioan LAZAU	Materials Engineering
47	24.02.2012	Silvia Mihaela ROMINU	CONTRIBUTIONS REGARDING THE IMPROVEMENT OF THE ROBUSTNESS IN THE DESIGN AND REHABILITATION OF STRUCTURES	Radu BACILA	Civil Engineering
48	27.02.2012	Mihaela TILNEAC	CONTRIBUTIONS ON USING ROBOTS IN AGRICULTURE FOR WEED CONTROL APPLICATIONS	Valer DOLGA	Mechanical Engineering
49	27.02.2012	Alina Ramona CROITORU	APPLICATION OF IMMOBILIZED LIPASES IN THE SYNTHESIS OF OLIGO- AND POLYSACCHARIDE ESTERS	Corneliu DAVIDESCU	Chemical Engineering
50	27.02.2012	Mihai Alin BITEA	THEORETICAL AND EXPERIMENTAL ANALYSIS AND SYNTHESIS OF A MECHATRONIC MOBILE AUTONOMOUS SYSTEM	Valer DOLGA	Mechanical Engineering
51	02.03.2012	Todor NICHIFOR	THE ADAPTATION OF SMALL POWER WIND TURBINES TO THE OFFER OF THE SITE	Francisc GYULAI	Mechanical Engineering
52	05.03.2012	Flavius-Maxim PETCUT	MATHEMATICAL MODELS FOR PHOTOVOLTAIC DEVICES AND THEIR USE IN AUTOMATIC CONTROL	Toma-Leonida DRAGOMIR	Systems Engineering
53	07.03.2012	Lucian-Attila BLAGA	INNOVATING MATERIALS IN BRIDGE CONSTRUCTION. CONTRIBUTIONS TO CONSTRUCTION WITH COMPOSITE FIBER-REINFORCED MATERIALS	Radu BANCILA Sergio de TRAGLIA AMANCIO-FILHO	Civil Engineering
54	09.03.2012	Lucretia BOCIORT	STUDY OF FLOW DYNAMICS ON RIVERS WITH LATERAL STORAGE CAPACITY	Gheorghe POPA	Civil Engineering

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55	15.03.2012	Ioan-Daniel CARABAS	STUDIES AND RESEARCH REGARDING THERMAL AND FLUID DYNAMICS PERFORMANCE OF HEATE EXCHANGERS WITH ALTERNATIVELY DISPLACEMENT DISCONTINUOUS WAVY FINS	Mihai NAGY	Mechanical Engineering
56	16.03.2012	Delia BUGARIU	RESEARCH AND CONTRIBUTIONS TO THE DESIGN AND IMPLEMENTATION OF KNEE PROSTHESES	Liviu BERETEU	Mechanical Engineering
57	16.03.2012	Ion-Cosmin DITA	OPTIMIZATION OF RECOGNITION OF THE INDUSTRIAL DATA MATRIX CODES	Marius OTESTEANU	Electronic Engineering and Telecommunications
58	16.03.2012	Cristian SAFTESCU-JESCU	ON THE STUDY OF LUMBAR SPINE IMPLANTS FOR ANATOMICAL INTEGRATION THROUGH MODERN TECHNOLOGIES	Liviu BERETEU	Mechanical Engineering
59	16.03.2012	Ana Adela MOLDOVAN	ACTIVE FLUX BASED V/F WITH STABILIZING LOOPS VERSUS VECTOR CONTROL OF IPMSM	Ion BOLDEA	Electrical Engineering
60	19.03.2012	Silvana-Oana POPESCU	CONTRIBUTIONS TO THE FPGA-BASED DIGITAL MODULATION/DEMODULATION TECHNIQUES	Aurel GONTEAN	Electronic Engineering and Telecommunications
61	23.03.2012	Teodora Georgiana IOANOVICI	CONTRIBUTIONS TO MAGNESIUM SUBSTITUTED HYDROXYAPATITE SYNTHESIS AND ANALYSIS OF ITS MECHANICAL PROPERTIES FOR BONE IMPLANTS APPLICATIONS	Liviu BERETEU Philippe HIVART Francine MONCHAU	Mechanical Engineering
62	29.03.2012	Adina-Elena AVACOVICI	INVESTIGATION OF SPECIFIC PURINIC METABOLITES AND METAL IONS IN THE BIOGENESIS OF LITHIASIC UROCONCREMENTS	Zeno GARBAN	Chemistry
63	30.03.2012	Paulina VLAZAN	NANOCRYSTALLINE COBALT FERRITE OBTAINED BY ALTERNATIVE METHODS.STRUCTURE, PROPERTIES AND POTENTIAL APPLICATIONS	Mircea STEFANESCU	Chemistry
64	25.04.2012	Ioan Florin SECOSAN	MORPHOLOGY, WEAR AND CORROSION BEHAVIOUR OF HVOF CERMET COATINGS SPRAYED ON INNER CYLINDRICAL SURFACES	Viorel-Aurel SERBAN Waltraut BRANDL	Materials Engineering
65	28.04.2012	Sebastian CAPOTESCU	THE INFLUENCE OF FACILITIES ON OFFICE PERFORMANCE	Constantin-Dan DUMITRESCU	Industrial Engineering