

Theses defended publicly in 2012

In 2012 there have been finalized and defended 37 Ph.D theses by Romanian students, from which 20 in the SE domain and 17 in the CIT domain. 2 doctoral theses have been realized in international double supervision.

Ph.D. theses in the System Engineering domain finalized and defended in 2012:

Scientific coordinator: Prof. Dr. Eng. **Theodor Borangiu**

Ph.D. student: **Claudia Tudorie**

Thesis title: Contributions to the development of stereo-vision systems for intelligent robot control

Date of public defence: 27.01.2012

Ph.D. student: **Alexandru Dumitrache**

Thesis title: Optimal techniques for the complete description of complex 3D shapes using robotized scanning for in line reconstruction and quality control

Date of public defence: 2.03.2012

Ph.D. student: **Ana Maria Şimonca (Anghel)**

Thesis title: Advanced diagnosis techniques with applications in environment parameter monitoring

Date of public defence: 27.04.2012

Scientific coordinator: Prof. Dr. Eng. **Radu Dobrescu**

Ph.D. student: **Ştefan Popa**

Thesis title: Modelling information changes in biological systems

Date of public defence: 16.06.2012

Ph.D. student: **Liliana Grigoriu**

Thesis title: Task planning on parallel machines with variable availability models

Date of public defence: 19.10.2012

Ph.D. student: **Mihai Tănase**

Thesis title: Fractal analysis and modelling of biological growth processes with cellular automata

Date of public defence: 20.10.2012

Ph.D. student: **Ramona Din**

Thesis title: Medical image analysis techniques based on parallel processing

Date of public defence: 20.10.2012

Scientific coordinator: Prof. Dr. Eng. **Ioan Dumitrache**

Ph.D. student: **Octavian Arsene**

Thesis title: Hybrid intelligent techniques used in software integration

Date of public defence: 30.11.2012

Scientific coordinator: Prof. Dr. Eng. **Bogdan Dumitrescu**

Ph.D. student: **Cristian Rusu**

Thesis title: Optimization of dictionaries for sparse representations

Date of public defence: 9.11.2012

Scientific coordinator: Prof. Dr. Eng. **Marius Guran**

Ph.D. student: **Maria Sabina Popescu**

Thesis title: Research on evaluating the efficiency of support infrastructures for BI applications, using the Cloud computing technology

Date of public defence: 14.12.2012

Scientific coordinator: Prof. Dr. Eng. **Sergiu Stelian Iliescu**

Ph.D. student: **Iulia Dumitru**

Thesis title: Modelling and optimization of power consumption in datacentres

Date of public defence: 31.08.2012

Ph.D. student: **Nicoleta Arghira**

Thesis title: Optimization of the frequency – active power control in an electro-power system

Date of public defence: 31.08.2012

Ph.D. student: **Onița Calotă**

Thesis title: The behaviour of protection relays during transitory regimes

Date of public defence: 6.07.2012

Ph.D. student: **Codruț Mitroi**

Thesis title: Management of service quality in an Intranet network

Date of public defence: 31.08.2012

Scientific coordinator: Prof. Dr. Eng. **Dumitru Popescu**

Ph.D. student: **Cătălin Dimon**

Thesis title: Contributions to the modelling and control of road traffic networks

Date of public defence: 24.02.2012

Ph.D. student: **Valentin Tănasă**

Thesis title: Development of theoretical and computational tools for the design of control strategies for nonlinear sampled data systems

Double degree Ph.D. thesis UPB – Université Paris Sud (France)

Thesis Co-director: Prof. Dr. Eng. **Dorothee Normand-Cyrot**

Date of public defence: 15.12.2012

Ph.D. student: **Mihai Cornoiu**

Thesis title: Contributions to the identification and control of nonlinear systems

Date of public defence: 7.12.2012

Ph.D. student: **Cătălin Băra**

Thesis title: Expert system for the design of SCADA configurations used in the management of harbour activities

Date of public defence: 7.12.2012

Scientific coordinator: Prof. Dr. Eng. **Valentin Sgârciu**

Ph.D. student: **Grigore Stamatescu**

Thesis title: Contributions to the improvement of life and work conditions using reliable wireless sensor networks

Date of public defence: 19.10.2012

Scientific coordinator: Prof. Dr. Eng. **Mihai Tertîșco**

Ph.D. student: **Petru Junie**

Thesis title: Contributions to the modelling and application of WSN

Date of public defence: 29.06.2012

Ph.D. theses in the Computers and Information Technology domain finalized and defended in 2012:

Scientific coordinator: Prof. Dr. Eng. **Valentin Cristea**

Ph.D. student: **Cătălin Leordeanu**

Thesis title: Contributions to the detection of anomalies in large scale distributed systems

Date of public defence: 15.01.2012

Scientific coordinator: Prof. Dr. Eng. **Adina Magda Florea**

Ph.D. student: **Cristian Grație**

Double degree Ph.D. thesis UPB – University of Utrecht (The Netherlands)

Thesis Co-director: Prof. Dr. Eng. **J.-J. Charles Meyer**

Thesis title: Extension-based argumentation semantics for agent interactions

Date of public defence: 5.12.2012

Scientific coordinator: Prof. Dr. Eng. **Cristian Giumale**

Ph.D. student: **Mihnea Cosmin Muraru**

Thesis title: Ontological approach to time-dependent process modelling – interpretation of ontological models

Date of public defence: 5.10.2012

Ph.D. student: **Matei Popovici**

Thesis title: Ontological approach to time-dependent process modelling – language for ontology specification

Date of public defence: 5.10.2012

Scientific coordinator: Prof. Dr. Eng. **Florica Moldoveanu**

Ph.D. student: **Alexandru Egner**

Thesis title: Communication standards for e-Health systems: security extensions and new models for conformity testing

Date of public defence: 23.11.2012

Ph.D. student: **Octavian Georgescu**

Thesis title: Classification in digital images

Date of public defence: 30.05.2012

Ph.D. student: **Anca Andreea Morar**

Thesis title: Analysis and visualization of medical images

Date of public defence: 26.10.2012

Ph.D. student: **Valentin Lungu**

Thesis title: Artificial emotion simulation techniques for intelligent virtual characters

Date of public defence: 5.11.2012

Ph.D. student: **Sorin Alexandru Cristescu**

Thesis title: Semantic interoperability of applications in the medical domain based on software agents and web services

Date of public defence: 16.11.2012

Scientific coordinator: Prof. Dr. Eng. **Mircea Petrescu**

Ph.D. student: **Radu Ilinca**

Thesis title: 3D visualization of medical data sets – a solution for automating the processing of reaction substances for automatic analysis of blood samples

Date of public defence: 27.07.2012

Ph.D. student: **Dan Ungureanu**

Thesis title: Information content and knowledge extraction from data bases

Date of public defence: 27.07.2012

Ph.D. student: **Șerban Ghenea**

Thesis title: Defining and executing transactions on data mining systems

Date of public defence: 27.07.2012

Scientific coordinator: Prof. Dr. Eng. **Luca Dan Șerbănați**

Ph.D. student: **Adrian Alexandrescu**

Thesis title: Contributions to the development of enterprise informatics systems

Date of public defence: 3.04.2012

Scientific coordinator: Prof. Dr. Eng. **Ștefan Trăușan-Matu**

Ph.D. student: **Traian Rebedea**

Thesis title: Computer aided support and feedback for chat conversations and discussion forums with educational scope

Date of public defence: 14.12.2012

Ph.D. student: **Ana Găinaru**

Thesis title: Data mining algorithms for fault tolerance in large scale systems

Date of public defence: 13.03.2012

Scientific coordinator: Prof. Dr. Eng. **Nicolae Țăpuș**

Ph.D. student: **Laura Ruse**

Thesis title: Secured and fault-tolerant protocols for wireless sensor networks

Date of public defence: 6.11.2012

Ph.D. student: **Ioan Lemeni**

Thesis title: Applications of neural networks in financial and banking systems

Date of public defence: 6.11.2012

The doctor titles have been granted in 12 through Decisions of the Ministry of National Education and Scientific Research (OMENCȘ) as follows:

OMENCȘ		Ph.D. students who have been granted the doctor title, and the domain
No.	Release date	
3818	26.04.2012	Tudor Bogdan Airimițoiaie (SE), Victor Asavei (CIT), Mircea Bardac (CIT), Victor Bălănică (SE), Costin Chiru (CIT), Răzvan Deaconescu (CIT), Ștefan Dumitrescu (CTI), George Milescu (CIT), Andrei Olaru (CIT), Monica Pătrașcu (SE), Nicolae Pinte (SE), Vlad Posea (CIT), Alexandru Radovici (CIT), Irina Rancea (SE), Albtoush Reda (SE), Bogdan Șicleru (SE), Claudia Raluca Tudorie (SE), Dan Tudose (CIT), Victor Ursianu (CIT), Andrei Vasilățeanu (CIT)
6149	07.11.2012	Nicoleta Arghira (SE), Iulia Dumitru (SE), Onița Florea (Calotă) (SE), Octavian Georgescu (CIT), Șerban Ghenea (CIT), Radu Ilinca (CIT), Petru Junie (SE), Cătălin Leordeanu (CIT), Mihnea Muraru (CIT), Ștefan Popa (SE), Dan Popovici (CIT), Magdalena Șimonca (Anghel) (SE), Dan Ungureanu (CIT),
6508	19.12.2012	Sorin Cristescu (CIT), Ramona Elena Din (SE), Alexandru Egner (CIT), Liliana Grigoriu (SE), Ioan Lemeni (CIT), Valentin Lungu (CIT), Anca Manea (Morar) (CIT), Laura Ruse (Gheorghe) (CIT), Cristian Rusu (SE), Grigore Stamatescu (SE), Mihai Tănase (SE)