

Theses defended publicly in 2015

In 2015 there have been finalized and defended publicly 31 Ph.D. theses and 3 Ph.D. theses by foreign students; from these, 22 are in the SE domain and 12 in the CIT domain. 1 thesis has been realized in international double coordination.

Ph.D. theses in the System Engineering domain finalized and defended in 2015:

Scientific coordinator: Prof. Dr. Eng. **Cătălin Buiu**

Ph.D. student: **Victor Ștefan Roman**

Thesis title: Natural computation techniques for automatic detection of meteors

Date of public defence: 24.09.2015

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

Ph.D. student: **Ioana Răspop-Brănescu**

Thesis title: Development of new ontologies for translational medicine

Date of public defence: 23.07.2015

Ph.D. student: **Virginia-Cristiana Săndulescu**

Thesis title: Domotic systems assisting people with disabilities

Date of public defence: 11.11.2015

Ph.D. student: **Alexandru Jarnea**

Thesis title: Autonomous control systems for road vehicles

Date of public defence: 14.11.2015

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

Ph.D. student: **Eugen Neagoe**

Thesis title: Autonomous complex systems based on multi-agents – intelligent buildings

Date of public defence: 20.03.2015

Doctorand: **Niculaie Daniel**

Thesis title: Contributions to the development of embedded real time control systems

Date of public defence: 24.04.2015

Ph.D. student: **Ana Brândușa Pavel**

Thesis title: Distributed control of multi-robot systems

Date of public defence: 23.07.2015

Ph.D. student: **Cristian-Ioan Vasile**

Thesis title: Development of membrane systems for robot control

Date of public defence: 23.07.2015

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

Ph.D. student: **Paul Irofti**

Thesis title: Parallel algorithms for the training of dictionary with sparse representations

Date of public defence: 26.11.2015

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

Ph.D. student: **Valentin Vâlcu**

Thesis title: Modelling, simulation and analysis of the degraded operating mode of new protection functions in an electric station

Date of public defence: 8.09.2015

Ph.D. student: **Oana Ramona Grigoriu**

Thesis title: The analysis of energy flows based on renewable resources for the reduction of energy consumption in a closed space

Date of public defence: 19.09.2015

Ph.D. student: **Ciprian Borăscu**

Thesis title: Using digital adaptive protections in 110 kV networks

Date of public defence: 19.09.2015

Scientific coordinator: Prof. Dr. Eng. **Ion Necoară**

Ph.D. student: **Andrei Pătraşcu**

Thesis title: Efficient 1st order methods for convex optimization problems with sparse data and solutions

Date of public defence: 23.10.2015

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

Ph.D. student: **Andreea Lavinia Popescu**

Thesis title: Automatic representation and learning methods for image classification

Date of public defence: 2.10.2015

Ph.D. student: **Roxana Marcu**

Thesis title: Integration of healthcare informatics systems in the cloud

Date of public defence: 15.01.2015

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

Ph.D. student: **Ciprian Sandu**

Thesis title: Applications of automatic control in medicine

Date of public defence: 14.07.2015

Ph.D. student: **Irina Tache**

Thesis title: Estimation of hemodynamic parameters of cardiac and cerebral vessels from angiographies

Date of public defence: 15.01.2015

Scientific coordinator: Prof. Dr. Eng. **Aurelian Mihai Stănescu**

Ph.D. student: **Luiza Cojocaru (Burlacu)**

Thesis title: Conceptual design methodology of a digital business ecosystem from the perspective of informational ecosystem traceability necessary for food security

Date of public defence: 20.03.2015

Ph.D. student: **Raluca Andreea Morărescu (Nedelcu)**

Thesis title: Informational decision support system for the assistance of education and formation processes on the lifelong learning paradigm

Date of public defence: 08.09.2015

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

Ph.D. student: **Dorel Năsui**

Thesis title: Process control through heterogeneous networks using Cloud computing architectures

Date of public defence: 24.04.2015

Ph.D. student: **Ionela Halcu**

Thesis title: Contributions to the security of wireless sensor networks

Date of public defence: 4.12.2015

Ph.D. student: **Giorgian Neculoiu**

Thesis title: Contributions to the monitoring and control of intelligent buildings for the increase of their energy efficiency

Date of public defence: 4.12.2015

Ph.D. theses in the Computers and Information Technology domain finalized and defended in 2015:

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

Ph.D. student: **Alexandru Sorici**

Thesis in double coordination UPB – École Nationale Supérieure des Mines Saint Etienne (France)

Thesis co-director: Prof. Dr. Eng. **Amal El Fallah Seghrouchni**

Thesis title: Remote monitoring and assisted living technologies for ubiquitous healthcare

Date of public defence: 11.09.2015

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

Ph.D. student: **Sorin Andrei Piștirică**

Thesis title: Optimization and solutions for distributed storage

Date of public defence: 24.07.2015

Ph.D. student: **Lucian Petrescu**

Thesis title: Rendering Massive 3D Scenes in Real-Time

Date of public defence: 25.11.2015

Ph.D. student: **Alexandru Butean**

Thesis title: Informatics assistive and educational tools for persons with visual deficiency

Date of public defence: 25.11.2015

Ph.D. student: **Livia Ștefan**

Thesis title: e-Learning systems based on advanced technologies in virtual 3D spaces

Date of public defence: 25.11.2015

Ph.D. student: **Oana Bălan**

Thesis title: Contributions to the spatial perception of 3D sounds and the navigation of persons with visual deficiency, based on multimodal feedback training

Date of public defence: 28.11.2015

Ph.D. student: **Paryur Harutyunyan**

Thesis title: Monitoring and improving workers body posture and physiological parameters via an unconventional user interface

Date of public defence: 18.12.2015

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

Ph.D. student: **Salman Hussam**

Thesis title: Using Log files to improve work efficiency

Date of public defence: 8.07.2015

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

Ph.D. student: **Vlad Ciobanu**

Thesis title: Contributions to robot manipulation using tactile sensors

Date of public defence: 20.03.2015

Ph.D. student: **Adrian Mocanu**

Thesis title: Contributions to the implementation of simulators for continuous dynamic processes in distributed processing environments

Date of public defence: 9.04.2015

Ph.D. student: **Daniel Rosner**

Thesis title: Non-intrusive distance monitoring mechanisms for omnipresent medical structures

Date of public defence: 24.07.2015

Ph.D. student: **Eleonora Mocanu**

Thesis title: Efficient utilisation strategies and optimizations in cloud computing systems

Date of public defence: 24.07.2015

In 2015 the doctor titles have been granted through Decisions of the Ministry of National Education and Scientific Research (OMENCS) as follows:

OMENCS		Ph.D. students who have been granted the doctor title, and the domain
No.	Release date	
3181	6.02.2015	Abed Alnaser Alasfour (CIT), Oana Chenaru (Rohat) (CIT), Gheorghe Florea (SE), Liviu Ionita (SE), Roxana Marcu (SE), Umar Farook Muhammad (CTI), Octavian Stocklosa (SE), Irina Tache (CIT),
3869	19.05.2015	Vlad Ciobanu (CIT), Luiza Cojocaru (Burlacu) (SE), Alexandru Coşoi (SE), Adrian Mocanu (CIT), Eugen Neagoe (SE),
4643	30.07.2015	Dorel Năsui (SE), Daniel Niculae (SE), Hussam Salman (CIT), Ciprian Sandu (SE),
5304	26.09.2015	Ciprian Borăscu (SE), Ioana Răspop Brănescu (SE), Eleonora Mocanu (CIT), Sorin Andrei Piştirică (CIT), Daniel Rosner (CIT), Cristian Vasile (SE),
5954	7.12.2015	Oana Bălan (CIT), Alexandru Butean (CIT), Ramona Grigoriu (SE), Alexandru Jarnea (SE), Raluca Morărescu (Nedelcu (SE), Andrei Pătraşcu (SE), Alexandru Petrescu (CIT), Andreea Lavinia Popescu (SE), Victor Roman (SE), Virginia Săndulescu (SE), Alexandru Sorici (CIT), Livia Ştefan (CIT), Valentin Vîlcu (SE)