



**Prof. Eng. MIHAI DASCĂLU, Ph.D.**

Scientific coordinator in the domain of "Computers and Information Technology"

Doctoral school of Automatic Control and Computers  
University Politehnica of Bucharest



**Contact:**

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*Google Scholar:*

<http://scholar.google.ro/citations?user=3L9yY8UAAAAJ&hl=en>

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**Research profile:**

- Natural Language Processing
- Educational Data Mining
- Intelligent Tutoring Systems
- Discourse Analysis
- Computer Supported Collaborative Learning

**Ph.D. coordinator since 2018**

**Scientific publications:** More than 200 published papers, including top conferences (AAAI, ITS, AIED, CSLCL, CogSci) and other renowned international conferences (ICALT; EC-TEL; ICWL; LAK; AIMS), as well as renowned journals (ijCSCL, Computers in Human Behavior, Behavior and Research Methods);

**Research projects** (selection, in the last 5 years):

- H2020-ICT-2014/H2020-ICT-2014-1 No. 644187 RAGE — Realising an Applied Gaming Eco-system. (Project Director)
- Erasmus+ ENeA-SEA: Higher Education - International Capacity Building Project, Project reference number 573651-EPP-1-2016-1-DE-EPPKA2-CBHE-JP. (Project Director)
- ISCH COST Action CA18209 - European network for Web-centred linguistic data science; Position in the project: Substitute Member of the Management Committee)
- POC "ReadME - Aplicatie interactiva, inovativa, de evaluare a lizibilitatii textelor in limba romana si de imbunatatire a stilului de redactare" contract no. 114/15.09.2017, code MySMIS 2014: 119286 (Project Director)
- PN3 Prezervarea și valorificarea patrimoniului literar românesc folosind soluții digitale inteligente pentru extragerea și sistematizarea de cunoștințe, Contract No. 54PCCDI/201.8 (Project Responsible UPB)



- PN3 Revitalizarea bibliotecilor și a patrimoniului cultural prin tehnologii avansate, Contract Nr. 69PCCDI/2018. (Project Responsible UPB Pr. 3)
- PN3 Roboții și Societatea: Sisteme Cognitive pentru Roboți Personali și Vehicule Autonome (ROBIN), Nr. ctr. 72PCCDI/01.03.2018. (Project Responsible UPB Pr. 4)
- P\_40\_270 Ecosistem de cercetare, inovare și dezvoltare de produse și servicii TIC pentru o societate conectată la Internet of Things (NETIO) (Operational Manager)

**Membership in professional organizations and scientific committees, editorial boards, scientific awards:**

- Associate member of the Academy of Romanian Sciences
- Member of ACM (Association for Computing Machinery) <http://www.acm.org/>
- Member of IEEE (Institute of Electrical and Electronics Engineers) <https://www.ieee.org/>
- Member of ROCHI (Romanian Special Interest in Computer-Human Interaction) [www.ici.ro/chi-romania/](http://www.ici.ro/chi-romania/)
- Member of ISC2 (International Information Systems Security Certification Consortium) <http://www.isc2.org/>
- Member of ISACA (Information Systems Audit and Control Association) <http://www.isaca.org/>
- Member of EC Council <http://www.eccouncil.org/>
- Member of PMI (Project Management Institute) [www.pmi.org](http://www.pmi.org)
- Member of IIBA (The International Institute of Business Analysis) <http://www.iiba.org/>
- Award “Best thesis in Artificial Intelligence” (Romanian Association of Artificial Intelligence, 2015);
- Award “In Tempore Opportuno” for the most promising academic results as a young researcher, (University Politehnica of Bucharest, 2013);

**Proposed Ph.D. research themes:**

- Automated evaluation of various student text productions (e.g., essays, self-explanations, contributions in collaborative environments);
- Providing personalized feedback to improve writing style;
- Evaluating participation and collaboration in collaborative environments, including the usage of time series;
- In-depth discourse analysis and the semantic meta-annotation of texts;
- Semantic search for relevant documents;
- Extraction of opinions and sentiment analysis;
- Serious games integrating Natural Language Processing techniques;
- Automated comprehension modelling;
- Extraction of actions and the development of conversational agents.