

Curriculum Vitae – April 2020

Dan Cristea

Scientific degrees

Professor Dr.

Corresponding member of the Romanian Academy

Full member of the Academy of Technical Sciences of Romania

Contact

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Positions

Professor at the Faculty of Computer Science, “Alexandru Ioan Cuza” University of Iași (UAIC-FII, full position).

Principal Researcher I at the Institute for Computer Science, Iași branch of the Romanian Academy (AR-IIT, part-time position).

Leads doctoral studies since 2001.

Was a former dean of UAIC-FII (between 2004 and 2008), then a vice-dean, was member of the Senate of UAIC and is actually an invited member.

Currently he accomplishes a function of Director of the Doctoral School in UAIC-FII, holds an interim position of Director of the Council of University Doctoral Studies in UAIC, is member of the Administration Council of UAIC and a member of the Council of AR-IIT.

Studies

Degree in Computer Engineering, University POLITEHNICA of Bucharest – in 1975.

Degree in Mathematics, “Alexandru Ioan Cuza” University of Iași – in 1981.

Ph.D. in Computer Engineering, University POLITEHNICA of Bucharest – in 1994.

Teaching

The main courses taught by Prof. Dan Cristea in UAIC-FII were: *Artificial Intelligence, Rule Based Programming (Expert Systems)*, and now he teaches *Techniques of Natural Language Engineering*, all at bachelor level. In 2001, he has initiated the program of Master Studies in Computational Linguistics (MCL) in UAIC-FII, where he teaches the course *Introduction to Computational Linguistics*.

He has supervised many student graduation theses in Computer Science (CS) and dissertation theses in MCL.

As a member of the Doctoral School of UAIC-FII, 8 former PhD students have obtained doctoral diplomas in CS under his guidance and he currently supervises 8 other PhD students.

Research interests and accomplishments

Prof. Cristea's research interests are mainly related to the domains of Computational Linguistics (CL) and Natural Language Processing (NLP), more precisely: construction of linguistic and lexicographic resources for Romanian language (WordNet, corpora and dictionaries in electronic form), lexical semantics, discourse theories and applications (methods and techniques for anaphora resolution, discourse parsing, question answering, summarization), automatic configuration of NLP architectures, language evolution, semantic representations of natural language, entity linking.

In the 1980s, prof. Cristea has co-authored the first Question-Answering systems for Romanian language, IURES and QUERNAL. Later, the research team led by him at UAIC-FII won a number of international challenges on Question-Answering. This team, always renewed, as master and PhD students come and leave, has built more resources and web services dedicated to Romanian language, which had an important contribution to the establishment and development of the domain of language technology in Romania. At AR-IIT he leads another research team, which was involved in the development of two very important lexicographic and lexical resources for Romanian: The Thesaurus Dictionary of Romanian Language in electronic form (eDTLR) and the Corpus of Contemporary Romanian language (CoRoLa).

Over the years he coordinated these two teams in many EC funded projects, among which: TELRI (FP4: Trans-European Language Resources Infrastructure), Balkanet (FP5: the network of wordnets for Balkan languages), LT4eL (FP6: Language Technology for eLearning), RolTech (an INTAS project: Romanian Language Technologies), ALEAR (FP7: Artificial Language Evolution on Autonomous Robots), CLARIN (FP7: Common Language Resources and Technology Infrastructure), ATLAS (ICT-PSP: Applied Technology for Language-Aided CMS), METANET4U (ICT-PSP: establishment of a pan-European digital platform for language resources and services), COST-A31 (Stability and Adaptation of Classification Systems in a Cross-Cultural Perspective), COST-ENeL (European Network of e-Lexicography), COST-eRead (Evolution of Reading in the Age of Digitization). He coordinated and/or directed more than 10 national projects, among which: ROTEL (Intelligent Systems for Semantic Web, Based on Ontology Logics and Natural Language Technologies), eDTLR (which invented the technology for transforming the biggest Romanian dictionary, elaborated by Romanian Academy over one century, in a querying database accessible online), MappingBooks (which developed a technology that connects geography school manuals and tourist guides to the real places the user is located), ReTeRom (ongoing: speech-to-text aligned resources for Romanian language).

Publications and public appearances

Prof. Cristea is the single author of two books, co-author of other two books, he has co-edited eleven books, published more than 170 papers in journals and conference proceedings, presented over 150 talks on conferences, seminars, workshops or as an invited professor in summer schools, he wrote about 100 research reports, and has published more than 30 essays about science.

Prof. Cristea has delivered speeches as an invited researcher or professor in many places, among which: University of Bucharest, Aula Magna of the Romanian Academy, Moldavian Academy of Sciences in Chişinău, University of Sofia and Bulgarian Academy, Universities of Lille, Paris-Sud Orsay, LORIA-CNRS Nancy and University of Marseille-Luminy, University of Nijmegen, DFKI, University of Saarbrücken and University of Hamburg, University of Neuchâtel and EPFL Lausanne, Universities of Edinburgh, Sheffield, Wolverhampton and Sussex, Universities of Venice, Pisa, Vercelli and IRST-ITC Trento, Universities of Athens and Patras, Vassar College and University of Philadelphia, University of Toronto, University of Penang, IIIT Hyderabad, National University of Singapore, etc.

According to the current trends of the field of CL & NLP, prof. Cristea has published mainly in conferences and workshops. As such, following Google Scholar, Prof. Cristea has 1550 citations, has an h-index of 19 and an i10-index of 38 (April 2020).

Other accomplishments

Prof. Cristea has initiated and is the co-director of the EUROLAN series of Summer Schools on Human Language Technology, which had 14 biannual editions since 1993. He co-initiated the series of national conferences ConsILR (Consortium for the Informatisation of Romanian Language), later – an international series, with 14 annual editions since 2001 – one of the two major conferences in language technology in Romania. The proceedings of this conference are indexed by Clarivate Analytics.

He served as a member in about 170 program and organization committees of Romanian and international conferences, workshops and summer schools or as a reviewer for journals.

In December 2003 he received the highest Romanian scientific distinction for Computer Science, the Romanian Academy Award for the section Information Technology “Gr. C. Moisil”, and in December 2006 – the medal of the National Authority for Scientific Research, Romanian Ministry of Education and Research, for his involvement in FP6 European Research Area programs.

During a 4 years mandate he served as the president of the CNATDCU Commission for Computer Science and is actually a member of this commission.

Since July 2015 he is a corresponding member of the Romanian Academy. He is a titular member of the Academy of Technical Sciences of Romania (corresponding since 2001).

Under the name Dan Petru Cristea he received in 2010 the debut price for the belletrist novel *Scaune de pluş* (Plush chairs) from Cartea Românească Editing House.

Languages

Romanian (as mother tongue), English, French, Italian.