

Europass curriculum vitae

Personal information

Surname(s) / First name(s)
E-mails

Mironescu/ Ion Dan
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Nationality

Romanian

Date of birth
Research Gate ID:
ORCID ID
Google scholar ID

31.01.1972
<https://www.researchgate.net/profile/Ion-Mironescu>
[0000-0002-2063-9157](https://orcid.org/0000-0002-2063-9157)
<https://scholar.google.com/citations?user=LH9BBsAAAAAJ&hl=ro>

Work experience

Dates
Occupation or position held
Main activities and responsibilities

2015-present
Associate professor
Teaching and research in the field of Integrated systems, High Performance Computing (HPC), CFD, CAD/CAE, DBMS
Faculty's computer network administration.
„Lucian Blaga” University of Sibiu, Romania, Victoriei Bvd. 10-12, Sibiu, Romania
University Teaching, scientific activity, didactic activity and research activity in the area of Integrated systems, DBMS, Computer-aided Graphics, Parallel Architectures and Algorithms. Also Sugar, starch and confectionery engineering.
Coordinator for students' projects (bachelor and master).

Dates
Occupation or position held
Main activities and responsibilities

2001-2014
Lecturer
Teaching and research in the field of Integrated systems, High Performance Computing (HPC), CFD, CAD/CAE, DBMS
Faculty's computer network administration.
„Lucian Blaga” University of Sibiu, Romania, Victoriei Bvd. 10-12, Sibiu, Romania
University Teaching, scientific activity, didactic activity and research activity in the area of Integrated systems in the food industry, DBMS, Computer Graphics and also Sugar, starch and confectionery engineering and quality control. Coordinator for students' projects (bachelor and master).

Dates
Occupation or position held
Main activities and responsibilities

1999 – 2001
Assistant
Faculty's computer network administration.
Teaching and research in the field of Modeling and automation of food processes, Computer Graphics
„Lucian Blaga” University of Sibiu, Romania, Victoriei Bvd. 10-12, Sibiu, Romania
University Teaching, scientific activity, didactic activity and research activity in the area of food industry, especially Integrated systems in the food industry, Computer graphics.
Coordinator for students' projects (bachelor).



Dates	1996 – 1999
Occupation or position held	Second assistant
Main activities and responsibilities	Faculty's computer network administration. Teaching and research in the field of Modeling and automation of food processes.
Name and address of employer	„Lucian Blaga” University of Sibiu, Romania, Victoriei Bvd. 10-12, Sibiu, Romania
Type of business or sector	University Teaching, scientific activity, didactic activity and research activity in the area of food industry.

Education and training

Finalised	Sep 2018
Title of qualification awarded	PhD/Doctor
Principal subjects/Occupational skills covered	Computer Science/Computer architectures, Parallel and concurrent programming, HPC Doctor / Specialization "Computers and Information Technology". Thesis subject: "Integrated system for scientific applications' quasi-optimal mapping on of some on HPC parameterised architectures". Scientific coordinator Prof. Dr. Lucian Vințan, Ph.D. Skills covered: Computer Architectures, Parallel and Concurrent Programming, HPC „Lucian Blaga” University of Sibiu, Romania
Name and type of organisation providing education and training	
Finalised	July 2010
Title of qualification awarded	Engineer in Computer and Information Technology
Principal subjects/Occupational skills covered	Computer Science/ Programming languages: Perl, Smalltalk , Lisp, XML, C/C++, Java, Python ; Computer architectures; DBMS; Web Technologies „Lucian Blaga” University of Sibiu, Romania
Name and type of organisation providing education and training	
Finalised	Oct. 2007
Title of qualification awarded	PhD/Doctor
Principal subjects/Occupational skills covered	Food Engineering/ “ Contributions to the modelling and simulation of food processes as hybrid systems using the DEVS formalism” „Lucian Blaga” University of Sibiu, Romania
Name and type of organisation providing education and training	
Finalised	July 1996
Title of qualification awarded	Master
Principal subjects/Occupational skills covered	Special technologies in the food industry
Name and type of organisation providing education and training	„Dunărea de Jos” University from Galați, România
Finalised	July 1995
Title of qualification awarded	Engineering in food industry
Principal subjects/Occupational skills covered	Technologies and equipments in milk, fermentatives, starch and confectionery industry
Name and type of organisation providing education and training	„Dunărea de Jos” University from Galați, România

Personal skills & competences

Mother tongue(s)

Romanian

Other language(s)

*Self-assessment
European level (*)*

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	

German	C1	Very good	C1	Very good	C1	Very good	C1	Very good	C1	Very good
English	C1	Very good	C1	Very good	C1	Very good	C1	Very good	C1	Very good
French	C1	Very good	C1	Very good	C1	Very good	B2	Very good	B2	Very good

(*) Common European Framework of Reference (CEF) level

Social skills and competences	<p>Teamwork in international projects: Manager two International project; Member in six International projects.</p> <p>Teamwork in national projects: Manager three national projects: Coordinator partner at one national project; Member in nine national projects.</p>
Organisational skills and competences	<p>Coordinator Erasmus students' mobility with the Bulgarian Academy of Sciences, Sofia, Bulgaria and Claude Bernard University in Lyon, France</p> <p>Coordinator of the student research group in the fields of Integrated systems, Computer-aided graphic</p> <p>Organiser of the conference "Pump & Compressors Users International Forum 2004" at the University of Karlsruhe, Germany</p> <p>Organizer of the International Conferences "Agricultural and Food Sciences, Processes and Technologies" editions 2007, 2010, 2012, 2015, 2017, Sibiu, Romania</p> <p>Organiser of the international congress CEEFood 2018</p>
Scientific and technical competency	<p>Computer Architectures, Parallel and Concurrent Programming, HPC</p> <p>Integrated systems, DBMS</p> <p>Computational Fluid Dynamic</p> <p>Rheology</p> <p>6 applicative books</p> <p>91 research papers (42 ISI/ISI Proceedings and international databases, 44 proceedings and international conferences, 15 other)</p>

Additional information

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| International projects | <ol style="list-style-type: none"> Manager Partner P1 project "E-learning tools for Food technology and development education" E-FOOD, type Erasmus KA220-HED - Cooperation partnerships in higher education, code project 2022-1-BG01-KA220-HED-000085089, http://www.e-food.uft-plovdiv.bg/, 2022-2025 Member project „FORTHEN - Fostering outreach within European regions, transnational higher education and mobility", code 101089463, 2022-2025 Member international project EEA Grant "Modernizing agricultural practice using Internet of Things" MAPIoT, ANPCDEFP 20-COP-0019 ESAYEP nr. F-SEE-026/17.06.2021, http://digifof.omilab.ulbsibiu.ro/psm/content/mapiot/info?view=activities Member international project Erasmus+ Knowledge Alliances, named "The FoF Designer: Digital Design Skills for Factories of the Future", January 2019-december 2021, EPP RO-EPPKA2-KA RO, https://www.digifof.eu/, https://docplayer.net/103948253-Erasmus-knowledge-alliances-selection-list-of-organisations-in-selected-projects.html Manager international project Erasmus+ action KA2 Cooperation for Innovation and the Exchange of Good Practices Strategic Partnerships for Higher Education, entitled "Knowledge triangle for food innovation by harnessing the tradition and assuring sustainability" KNOWinFOOD, identifier 2016-1-RO01-KA203-024797, sep 2016 - feb 2019, http://knowinfood.grants.ulbsibiu.ro/ro/home/, http://ec.europa.eu/programmes/erasmus-plus/projects/eplu-project-details-page/?nodeRef=workspace://SpacesStore/33518701-7133-417c-a41f-0f9afa302fc0 Member international project Erasmus+ Capacity Building in Higher Education, intitulat "Strategic Platform for Ameliorating Tunisian Higher Education on Food Sciences and Technology" SPAAT4FOOD, Application Reference Number 585729-EPP-1-2017-1-TN-EPPKA2-CBHE-JP, oct. 2017 – oct. 2021, www.spaat4food.com Member to the international project NUTritional LABELing Study in Black Sea Region Countries, Project number: 318946 - FP7-PEOPLE - 2012 – IRSES, |
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<http://www.nutrilabproject.eu/>

8. Member international mobility grant (Joint research project) "Contemporary methods for control and characterisation of EPS and PHB produced by microorganisms" with Bulgarian Academy of Science, Sofia, Bulgaria, Ian. 2012- Dec.2014
9. Member to the international mobility grant (Joint research project) "Monitoring of biotechnological processes for quality control in the food industry", with Bulgarian Academy of Science, Sofia, Bulgaria, ian. 2007- dec. 2010

National projects

1. **Manager** project CNFIS-FDI-2025-F-0671 "Improvement in the use of artificial intelligence to increase the pedagogical effect of virtual practice environments"/ "Perfecționarea în folosirea inteligenței artificiale pentru creșterea efectului pedagogic al mediilor virtuale de practică", 2025
2. **Manager** project CNFIS-FDI-2024-F-0624 named „Education 5.0 for Industry 5.0 - Pedagogical adaptation to technologies and industrial changes in the 5.0 era"/ "Educația 5.0 pentru Industria 5.0 - Adaptarea pedagogică la tehnologiile și schimbările industriale în era 5.0", 2024
3. **Manager** project CNFIS-FDI-2023-F-0408 named "Digital platform for the development and adaptation of educational processes to the current context, respecting academic ethics and deontology"/ "Digital platform for the development and adaptation of educational processes to the current context, respecting academic ethics and deontology", 2023
4. Responsible blended learning in the project POCU/904/6/25, cod SMIS 146587 - Professionalization of the teaching career / *Profesionalizarea carierei didactice* – PROF, 2021-2023
5. System engineer and online trainer in the project CNFIS-FDI-2021-027, Digi-Edu21, 2021
6. **Responsible Partner P3** ULBS and long-time expert project POSDRU/144/6.3/S/127928 entitled "PECAFROM – Promoting equal opportunities in university and academic careers for women in Romania" / „PECAFROM – Promovarea egalității de șanse în cariera universitară și academică pentru femeile din România”, 2014-2015
7. Member national research project CNCIS nr. 473 program "Ideas – Exploratory research" entitled „Cercetări privind producerea, caracterizarea și modelarea structurală și funcțională a polizaharidelor sintetizate de microorganisme extrem halofile - Researches on the production, characterisation and structural and functional modelling of polysaccharides synthesised by extremely halophilic microorganisms”, 2009-2011
8. Member national research project PNCDI2 "Food Safety Control through development of an integrated system for advanced modeling, simulation, command and control of fermentative bioprocesses in the food industry", 2007-2010
9. Member to the research project PNCDI2 no. 91-011 "Produse și tehnologii ecologice pentru conservarea integrată a patrimoniului cultural național arhitectural din zona Sibiu-Capitală culturală europeană 2007" (Ecological products and technologies for integrate preservation of the national architectural heritage in the region Sibiu-European cultural city), 2007-2010
10. Member to the research project CEEX 3822 no. 135/2005-2008 „ Tehnologii moderne neconvenționale, conforme cu reglementările europene, de epurare a apelor uzate și de tratare a nămolului rezidual în scopul reutilizării acestuia” (Modern non-conventional technologies, in accordance with the European legislation, for wastewater cleaning and treatment of residual mud for reutilisation), 2008-2010
11. Member to the research project AGRAL nr. 2032/2004-2007 „Studii privind reevaluarea și elaborarea de soluții pentru valorificarea lacurilor de la Ocna Sibiului ca obiectiv turistic, balneoclimateric și de agrement turistic” (Studies on re-evaluation and finding solutions for the capitalisation of Ocna Sibiului lakes as touristic and climatic objective), 2004-2007
12. Member to the research project 7659/2001 with ANSTI, " Sistem de asistarea a deciziei la conceperea și conducerea proceselor de obținere enzimatică a

siropurilor de glucoză" (Decision support system at command and control processes for the enzymatic obtaining of glucose syrups), 2001

13. Member to the research project 27/1998 theme 9 code CNCSU 196 " Mediu virtual de învățare pentru industria zahărului" (Learning virtual environment for sugar industry), 1998

Research stages abroad

- 1 april 2001-31 oct. 2004: research stage at the Institute for Hydraulic Machinery (Strömungsmaschinen), Prof. Dr. Ing. M. Gabi. Technical University of Karlsruhe, Germany
- 2001 – 2003: Teaching annual courses to the Research Center (Forschungszentrum)" Karlsruhe, in the field of Computer science.
- Oct 1999 – July 2000: DAAD fellowship and participant at the „Internationales Seminar für Forschung und Lehre in Chemieingenieurwesen, Technischer und Physikalischer Chemie" at the University „Fridericana" Karlsruhe (TH), Institut für Mechanische Verfahrenstechnik und Mechanik MVM, Prof. Dr.-Ing. Gerhard Kasper.
- 26.04 – 9.05.1999 Didactical research stage at the INP-ENSIGN Toulouse

Post-doc courses

- 2014-2015 Post-university courses in the project "Universitaria - Școala de didactică universitară și cercetare științifică" (UNiversitaria – School of university didactic and scientific research), Project ID: POSDRU 157/1.3/S/135590
- 2012-2013 Post-university courses in the project "Școală universitară de formare inițială și continuă a personalului didactic și a trainerilor din domeniul specializărilor tehnice și ingineresti" (University school for initial and continue formation of teachers in the technical and engineering field), DidaTec, project POSDRU/87/1.3/S/60891
- 2012-2013 Post-university courses inside the project "Excelență academică în învățământul la distanță și învățământul cu frecvență redusă – un demers pentru calitate" (Academic excellence in distance learning and part time - an approach to quality), project POSDRU/86/1.2/S/61878
- 2011 ACACES 2011 Seventh International Summer School on Advanced Computer Architecture and Compilation for High-Performance and Embedded Systems, Fiuggi, Italia
- 2009 Course "Advanced methods in polysaccharides research", Turku-Abo, Finlanda
- 2008 Seminar de „Norme și standarde în domeniul siguranței alimentului" organizat de organismul de certificare pentru sisteme și personal al TÜV Thüringen e.V. prin TÜV Karpát, Sibiu
- 2005: Project management – Assoc. prof. Dr. Dumitrașcu Dan, „Lucian Blaga" University Sibiu, Romania
- 2003 Multiphase Flows in Industrial Applications, in Dresden, Germany.
- 2003: Scientific Supercomputing: Architecture and Use of Shared and Distributed Memory Parallel Computers – Dr. Ing. Willi Schönauer, University „Fridericana" Karlsruhe (TH), Germany
- 2002: Flows with free interfaces (Strömungen mit freien Grenzflächen) – Dr. Ing. P. Ehrhard, Universitatea „Fridericana" Karlsruhe (TH), Germania
- 2002 Theory of turbulent flow (Theorie turbulenter Strömungen) – Prof. Dr. Ing. A. Zarzalis, University „Fridericana" Karlsruhe (TH), Germany
- 2001: Numerical simulation of turbulent flow (Numerische Simulation turbulenter Strömungen) - Dr G. Grötzbach, University „Fridericana" Karlsruhe (TH), Germany
- 2001: Numerical methods in fluid mechanics (Numerische Methoden in der Strömungstechnik) - Dr. Ing. Franko Magagnato, University „Fridericana" Karlsruhe (TH), Germany
- 2000: Rheologische Charakterisierung disperser Systeme, Institut fuer MVM Prof. Dr. Rer. Nat. Buggisch H., Dr.Ing. Gleissle W., University „Fridericana" Karlsruhe (TH), Germany
- 1999: Command and control in the technical chemistry (Messen und Regeln in der Chemischen Technik), Karl-Winnacker-Institut Dechema, Frankfurt, Germania

**Presence in the journals
committees**

Technical editor to the journal „Acta Universitatis Cibiniensis. Series E: Food Technology”,
<http://www.degruyter.com/view/j/auaft>

**Member in scientifically
organisations**

Asociația Specialiștilor de Industrie Alimentară din România ASIAR din învățământ, cercetare și producție (Association of specialists from the food industry in Romania in education, research and production)
Research Center in Biotechnology and Food Industry, ULBS
Advanced Computer Architecture and Processing Systems (ACAPS) Research Centre, ULBS (Associate member)
Societatea Română de Biologie Celulară SRBC (Romanian Society for Cell Biology) until 2015

15.07.2025
Sibiu

Assoc. Prof. Eng. Ion Dan MIRONESCU, PhD.

