

PERSONAL INFORMATION

Maria-Iuliana Dascălu


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Sex F | Date of birth 08/09/1983 | Nationality Romanian

POSITION

Habilitation in Computers and Information Technology

Domain: Computers and Information Technology

Title: “ Innovative Computer-based Systems to Support Evolving Learning Paradigms ”

WORK EXPERIENCE

May 2024 – Present

Dean of Faculty of Engineering in Foreign Languages

National University of Science and Technology POLITEHNICA Bucharest, Bucharest, Romania

- Responsible for management activities, course order notes, study formations, indicators, tutoring, optional courses in foreign languages, language certificates for teachers, Francophonie and the relationship with the German space

- **Member of the Board of Directors and of the Senate of POLITEHNICA Bucharest**

- **Member of the Executive Board of the Faculty of Foreign Language Engineering**

- **Responsible of Information Engineering in French bachelor program**

Business or sector Higher education management/ administration

May 2016 – April 2024

Vice-dean of Faculty of Engineering in Foreign Languages

University POLITEHNICA of Bucharest/ National University of Science and Technology

POLITEHNICA Bucharest, Bucharest, Romania

- Responsible for master studies

- Responsible for digitalisation and Moodle platform

- In charge of the relation with high schools and educational fairs

- In charge of the relation with companies

- In charge of computers and Information Technology field (French and English) - academic equivalences, students' problems etc

- **Responsible of Information Engineering in French bachelor program**

Business or sector Higher education management/ administration

October 2024- Present

Habilitated professor in Computers and Information Technology

National University of Science and Technology POLITEHNICA Bucharest, Faculty of Engineering in Foreign Languages, Department of Engineering in Foreign Languages, Bucharest, Romania

- Teaching courses and practical classes for Management Information Systems (in English, master level), Programming languages (in French, bachelor level), Data structures and algorithms (in English and French, bachelor level), Web application development (in French, bachelor level) Methodologies to develop software projects (in French, bachelor level), Semantic Web (in English and French, bachelor level), Systems Engineering (in English, bachelor level)

- Coordinating master and bachelor projects, master research topics and students' scientific papers

- Coordinating PhD students

- Organising national competitions for high school students (see <https://he.upb.ro/>)

- Organising workshops and internships for students

- Member in various committees at faculty level (internship evaluation, bachelor and master final examinations, master research evaluation, scientific sessions, promotion competitions etc)

- **Member in Faculty and Department Council**

Administrative duties at department level

October 2017- September 2024

Associate professor in Computers and Information Technology

University POLITEHNICA of Bucharest/ National University of Science and Technology
POLITEHNICA Bucharest, Faculty of Engineering in Foreign Languages, Department of Engineering
in Foreign Languages, Bucharest, Romania

- Teaching courses and practical classes for Management Information Systems (in English, master level), Programming languages (in French, bachelor level), Data structures and algorithms (in English and French, bachelor level), Web application development (in French, bachelor level) Methodologies to develop software projects (in French, bachelor level), Semantic Web (in English and French, bachelor level), Systems Engineering (in English, bachelor level)
 - Coordinating master and bachelor projects, master research topics and students' scientific papers
 - Coordinating PhD students', as member in the advisory committee
 - Organising national competitions for high school students (see <https://he.upb.ro/>)
 - Organising workshops and internships for students
 - Member in university team for checking language competences for Erasmus, member in various committees at faculty level (internship evaluation, bachelor and master final examinations, master research evaluation, scientific sessions, promotion competitions etc)
 - Member in Faculty Council
 - Administrative duties at department level
- Business or sector** Higher education

October 2012-October 2017

Assistant professor in Computers and Information Technology

University POLITEHNICA of Bucharest, Faculty of Engineering in Foreign Languages, Department of Engineering in Foreign Languages, Bucharest, Romania

- Teaching courses and practical classes
 - Coordinating master and bachelor projects, master research topics and students' scientific papers
 - Organising workshops and internships for students, e.g. SmartHack hackathon with Reply company
 - Coordinating students at national competitions, e.g. at the Java Competition for Universities, national phase, organized by Oracle Academy and Adfaber, where 3 teams of students won first, second prizes and mention
 - Erasmus agreements for student and staff mobilities with prestigious world-wide universities
- Business or sector** Higher education

October 2011- October 2012

Teaching assistant in Computers and Information Technology

University POLITEHNICA of Bucharest, Faculty of Engineering in Foreign Languages, Department of Engineering in Foreign Languages, Bucharest, Romania

- Teaching laboratories and projects
- Business or sector** Higher education

October 2015- Present

Research project director/ responsible

University POLITEHNICA of Bucharest/ National University of Science and Technology
POLITEHNICA Bucharest, Bucharest, Romania

- Coordinating research teams in the domain computer-based systems for learning/ e-learning, within the projects:
 - START-SoPI - Feasibility Study on Implementing a Pan-European Social Platform to Support Lifelong Learning and Employability, START – Danube Region Project Fund, grant nr. 16-PA07-C2 – UPB responsible in an international consortium (ASE-leader, UPB, Vienna University of Economics and Business, RT-RK Serbia);
 - LeProVE - Learner Profiling in Virtual Environments, research grant UPB – director;
- CAREPROFSYS - Smart Career Profiler based on a Semantic Data Fusion Framework, Young Teams national grant 151/ 2022; ID CRESCDI 220224521 – director.

Business or sector Research

June 2014- March 2015, March
2016-August 2017

Researcher/ project manager

InfoWorld, Bucharest, Romania

- Writing research grants in the Department of Research and Development
- Participating in research projects as project manager

Business or sector Research

October 2012- Present

Researcher/ research assistant

University POLITEHNICA of Bucharest/ National University of Science and Technology
POLITEHNICA Bucharest, Bucharest, Romania

- Working in various types of research projects (financed within the framework of Horizon 2020, POS-CCE, Eurostars, Erasmus+ Capacity Building, SEE, PNCDII- Parteneriate, POSDRU, POCU etc)

- Writing research reports and articles

Business or sector Research

October 2012-October 2014

Associated lecturer

Bucharest University of Economic Studies, Faculty of Cybernetics, Statistics and Economic Informatics, Bucharest, Romania

- Teaching the course on “Business Process Management” at master level, within “Computerized Project Management” educational programme

Business or sector Higher education

June 2008 – September 2009

Software engineer/ programmer

DEVSS, Bucharest, Romania

- Working at a HR application in ASP.NET (coding based on specifications)

Business or sector IT

September 2006 – May 2008

Software engineer/ programmer

BT&T SD, Bucharest, Romania

- Working at a CISCO routers’ monitoring application in JavaScript, C# (coding based on specifications, team leader)

Business or sector IT

September 2006 - Present

Collaborator/ volunteer

Project Management Romania (associated with International Project Management Association), Bucharest, Romania

- Participating at international events
- Maintaining relations with companies
- Developing an e-assessment solution for project management knowledge check
- Coordinating the certification body in Romania

Business or sector Project management

EDUCATION AND TRAINING

April 2025

University Leadership Program

Harvard Institutes for Higher Education

- Domain: Education

April 2014 - December 2015

Postdoc research stage, scholarship from ExcelDOC, POSDRU/159/1.5/S/132397 project

University POLITEHNICA of Bucharest, Bucharest, Romania

- Domain: Computers and Information technology
- Research topic: "Intelligent tool for recommending and optimizing collaborative learning activities in multidisciplinary teams"

October 2008 - July 2011

PhD, DOC-ECI, scholarship from POSDRU/6/1.5/S/11 project

Bucharest University of Economic Studies, Bucharest, Romania

- Domain: Economic Informatics
- Thesis: “Knowledge Testing in E-learning Systems, with Applications in Project Management”
- Coordinator: prof. dr. Constanta-Nicoleta Bodea
- Research stage at University of Gothenburg, Sweden, October 2019 – May 2010, advisor professor Mirosław Staron

October 2009 – May 2010

Master

Bucharest University of Economic Studies, Faculty of Cybernetics, Statistics and Economic Informatics, Bucharest, Romania

- Domain: Economic Informatics
- Master programme: Computerized Project Management
- Dissertation: Computer-based Tool for Projects' Risk Evaluation based on Fuzzy Logics
- Subjects: project planning, risk management, financial management, computerized tools for project management, management of information systems, research etc
- Dissertation grade 10, years' average grade 9.69

October 2006 – February 2008

Bachelor

"Alexandru-Ioan Cuza" University from Iasi, Faculty of Computer Science, Iasi, Romania

- Domain: Computer Science
- Subjects: Algorithmics, C/C++/Java programming, Web Application Development, Semantic Web, Software Engineering, Compilers, Formal languages and automata, Computer Networking, Operating Systems etc
- Erasmus scholarship during 4th year at Erasmushogeschool Brussel, Belgium
- Students' representative in Faculty Council and University Senate
- President of ASII (students' association)
- Bachelor grade 9.9, years' average grade 9.11

October 2002 – July 2006

Pedagogical module

"Alexandru-Ioan Cuza" University from Iasi, Iasi, Romania

- Courses for learning how to teach
- Graduation grade 10

October 2002 – July 2006

Baccalaureate (high school studies)

"August Treboniu Laurian" National College, Botosani, Romania

- Specialisation: Informatics
- Prizes at school Olympiads of Maths, English and Romanian, 3 participations at national phases of Olympiads of Romanian Language – 2nd prize in 10th grade at national level
- Baccalaureate grade 9.77, years' average grade 9.80

PERSONAL SKILLS

Mother tongue

Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	C1	C1	B2	C1	B2
German	A1	A1	A1	A1	A1
Dutch	A1	A1	A1	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- good communication skills in interdisciplinary and international environments, gained through my experience as a vice dean, associate/ assistant professor, researcher in various projects, beneficiary of international scholarships and stages, participant at international conferences and workshops;

Organisational / managerial skills

- leadership, gained through my experience as a vice dean, as a coordinator of Bachelor programme in Information Engineering in French and as a project director/ responsible;
- very good organiser of scientific and academic events, as I was general chair of ECBS 2019, co-chair of many international workshops, organiser of high school and students' competitions (<https://he.upb.ro/>) and events with companies;
- very good in project planning, as I am an International Project Management Association (IPMA) practitioner with field experience.

Job-related skills

- good information system designer, especially for computer-based systems in learning and training, based on the competencies acquired during my research activities;
- very good in academic writing, based on my experience in dissemination of research results.

Computer skills

- Software and system engineering (UML, SysML, software architectures, design patterns): advanced level
- Web Programming (HTML, CSS, JavaScript, Java EE): advanced level
- General programming: Java/ C++/C – advanced level, C#-medium level
- Virtual reality: Unity 3D – beginner level
- Business process modelling (BPMN): advanced level

Other skills

- acrylic painting, writing poems

Driving licence

B

ADDITIONAL INFORMATION

Computer skills

- **Author/ co-author** of 4 books, 13 book chapters, 2 didactic manuals, 171 other publications (among which 26 ISI journal articles, 11 in Q1/Q2 journals, 77 ISI Proceedings papers), more than 25 publications indexed in other scientific databases (Google Scholar index: 18)
- **Guest professor/ invited lecture** at national/international universities and events:
 - keynote speaker at the International Conference ZINC 2016, IEEE, Novi Sad, Serbia;
 - visiting professor at International Summer School UDC 2016, Universidade da Coruña, to teach "Management Information Systems";
 - Erasmus teaching mobility at the 1st International Week at The Polytechnic Institute of Cávado and Ave (IPCA), 2013, to teach "Improving the Development of Complex Software Systems through Systems Engineering".
- **Project director/ responsible** for 3 projects, project member in 12 other projects
- **Member of international committee:** jury member for the Scholarships given by French Government, member of regional professional competitions in French, e.g. "Jeu Parle Français" - competition for video games development, "Transformer les bonnes idées en start-up", IPMA Global Research Award jury member 2018-2021, IPMA Research Conference moderator 2021, Rada Mihalcea Research Competition jury member 2018-2020
- **General chair** - Sixth International Conference on the Engineering of Computer-Based Systems (ECBS 2019)
- **Workshop co-chair** - International Workshop on Technology-enhanced Learning to Improve Quality of Life (TELIQOL) 2015-2021 and Workshop on Excellence in Engineering Education through e-Learning and ICT Tools (EXTEND) 2019-2021
- **Advisor/East Europe Publicity Co-Chair** - 7th IEEE International Conference on Consumer Electronics
- **Reviewer** for Q1/Q2 SI journals, e.g. IEEE Access, Computers in Human Behavior, Behaviour and Information Technology, Medicina, Smart Learning Environments, IEEE Transactions on Learning Technologies (TLT), Telematics and Informatics
- **PC member of scientific events**, e.g. Creativity in Intelligent Technologies & Data Science Conference (CIT&DS), International Carpathian Control Conference (ICCC), SAI Intelligent Systems Conference (IntelliSys), Future Technologies Conference, International Conference on Smart Learning Environments (ICSLE), International Conference on Education and New Learning Technologies (EDULEARN0), International Conference on System Theory, Control and Computing (ICSTCC), Joint Conference on Knowledge-Based Software Engineering (JCKBSE), International Conference of Education, Research and Innovation Conference (ICERI), IEEE International Conference on Advanced Learning Technologies (ICALT), International Conference On Web-Based Learning (ICWL), International scientific conference on "eLearning and software for education" (eLSE)
- **Awards:**
 - Danubius Young Scientist Award 2016 - European award, offered by the Austrian Federal Ministry for Education, Science and Research (BMBWF) & Institute for the Danube Region and Central Europe (IDM)
 - Excellence Diploma in informatics - "Young Researchers in Science and Engineering", 2017
 - First Prize, INTERNATIONAL SYMPOSIUM OF YOUNG RESEARCHERS, 8th edition, ACADEMY OF ECONOMIC STUDIES OF MOLDOVA, 2010
 - Distinguished Paper Award - "The TRAVEE Neuromotor Rehabilitation System: in-Vivo Testing, Ferche", Oana-Maria; Moldoveanu, Alin Dragos Bogdan; Dascalu, Maria-Iuliana; Bodea, Constanta Nicoleta; Lupu, Robert Gabriel; Irimia, Danut; Moldoveanu, Florica, IEEE, 2017 ZOOMING INNOVATION IN CONSUMER ELECTRONICS INTERNATIONAL CONFERENCE (ZINC), Novi Sad, Serbia, 2017
 - Best Paper Award - Pedagogy Category, "INCREASING THE EFFECTIVENESS OF THE CYBERSECURITY TEACHING & LEARNING BY APPLYING ACTIVITY THEORY AND NARRATIVE RESEARCH", Bodea, C., Dascalu, M.I., Cazacu, M. - IACIS, 59th Annual International Conference, Florida, SUA, 2019
 - Recipient of 4 distinctions awarded by UEFISCDI for Q1/Q2 journal articles
- **International research stages:**
 - Joint Research Center (JRC) in Ispra, Italy, invited by European Commission, 8-10 March 2017
 - Doctoral Stage in University of Gothenburg, Sweden, October 2019 – May 2010
- **Memberships:** IEEE, IEEE Education Society, ACM, International Project Management Association (IPMA) Romania.

27.04.2025, Bucharest

List of scientific papers

10 PUBLICATIONS RELEVANT TO PROFESSIONAL ACHIEVEMENTS

1. **Dascalu, Maria-Iuliana**; Bodea, Constanta-Nicoleta; Lytras, Miltiadis; de Pablos, Patricia Ordonez; Burlacu, Alexandru, Improving e-learning communities through optimal composition of multidisciplinary learning groups, COMPUTERS IN HUMAN BEHAVIOR, FI 9.9, ISSN 0747-5632 , eISSN 1873-7692, JAN 2014 30, pg 362-371, DOI 10.1016/j.chb.2013.01.022, IDS 295BF, WOS:000330090900040, **Q1**
2. **Dascalu, Maria-Iuliana**; Dumitrache, Ana-Maria; Mohora, Anca; Moldoveanu, Alin, Platform to Support Creative Teams in Complex Learning Projects, CREATIVITY IN INTELLIGENT TECHNOLOGIES AND DATA SCIENCE, CIT&DS 2015, Volgograd, Russia, Communications in Computer and Information Science, Springer, ISSN 1865-0929 , eISSN 1865-0937, ISBN978-3-319-23766-4; 978-3-319-23765-7 , 2015 535, pg 757-766, DOI 10.1007/978-3-319-23766-4_60, IDS BE1NU, WOS:000368255500060
3. **Dascalu, Maria-Iuliana**; Bodea, Constanta-Nicoleta; Marin, Iuliana, Semantic Formative E-Assessment for Project Management Professionals, FOURTH EASTERN EUROPEAN REGIONAL CONFERENCE ON THE ENGINEERING OF COMPUTER-BASED SYSTEMS ECBS-EERC 2015, Brno, Czech Republic, ISBN978-1-4673-7967-0 , 2015, pg 1-8, DOI 10.1109/ECBS-EERC.2015.10, IDS BF1XQ, WOS:000380443500001
4. **Dascalu, Maria-Iuliana**; Bodea, Constanta-Nicoleta; Moldoveanu, Alin; Mohora, Anca; Lytras, Miltiadis; Ordonez de Pablos, Patricia, A recommender agent based on learning styles for better virtual collaborative learning experiences, COMPUTERS IN HUMAN BEHAVIOR, FI 9.9, ISSN 0747-5632 , eISSN 1873-7692, APR 2015 45, pg 243-253, DOI 10.1016/j.chb.2014.12.027, IDS CC1DN, WOS:000350081500029, **Q1**
5. **Dascalu, Maria-Iuliana**; Bodea, Constanta-Nicoleta; Mihailescu, Monica Nastasia; Tanase, Elena Alice; Ordonez de Pablos, Patricia, Educational recommender systems and their application in lifelong learning, BEHAVIOUR & INFORMATION TECHNOLOGY, FI 3.7, ISSN 0144-929X , eISSN 1362-3001, 2016 35(4), pg 290-297, DOI 10.1080/0144929X.2015.1128977, IDS DK8BO, WOS:000375152200005, **Q2**
6. Bodea, Constanta-Nicoleta; **Dascalu, Maria-Iuliana**; Velikic, Gordana; Stancu, Stelian, LIFELONG LEARNING AND EMPLOYABILITY IN THE DANUBE REGION COUNTRIES: INFLUENCES AND CORRELATIONS, AMFITEATRU ECONOMIC, FI 2.6, ISSN 1582-9146 , eISSN 2247-9104, AUG 2016 18(43), pg 521-536, IDS DU5MP, WOS:000382256100003, **Q2**
7. **Dascalu, Maria-Iuliana**; Bodea, Constanta-Nicoleta; Tesila, Bianca; Moldoveanu, Alin; Ordonez de Pablos, Patricia, How social and semantic technologies can sustain employability through knowledge development and positive behavioral changes, COMPUTERS IN HUMAN BEHAVIOR, FI 9.9, ISSN 0747-5632, eISSN 1873-7692, MAY 2017, VOL. 70, pg 507-517, DOI 10.1016/j.chb.2017.01.026, IDS EO8OP, WOS:000396949400056, **Q1**
8. **Dascalu, Maria-Iuliana**; Nitu, Melania; Alecu, Gabriel; Bodea, Constanta-Nicoleta; Moldoveanu, Alin Dragos Bogdan, Formative Assessment Application With Social Media Integration Using Computer Adaptive Testing Techniques, PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON E-LEARNING (ICEL 2017), Orlando, Florida, USA, Proceedings of the International Conference on e-Learning, ISSN 2048-8882 , ISBN 978-1-911218-36-4 , 2017, pg 56-65, IDS BM4NY, WOS:000463647100008
9. Stanica, Iulia; **Dascalu, Maria-Iuliana**; Bodea, Constanta Nicoleta; Moldoveanu, Alin Dragos Bogdan, IEEE, VR Job Interview Simulator: Where Virtual Reality Meets Artificial Intelligence For Education, 2018 ZOOMING INNOVATION IN CONSUMER TECHNOLOGIES CONFERENCE (ZINC), Novi Sad, Serbia, ISBN978-1-5386-4927-5, 2018, pg 9-12, IDS BO0RS, WOS:000493073200003
10. **Dascalu, Maria-Iuliana**; Bodea, Constanta-Nicoleta; Nemoianu, Iosif Vasile; Hang, Alexandru; Puskas, Imola-Flora; Stanica, Iulia-Cristina; Dascalu, Mihai, CAREPROFSYS-AN ONTOLOGY FOR CAREER DEVELOPMENT IN ENGINEERING DESIGNED FOR THE ROMANIAN JOB MARKET, REVUE ROUMAINE DES SCIENCES TECHNIQUES-SERIE ELECTROTECHNIQUE ET ENERGETIQUE, FI 0.7, ISSN 0035-4066, APR-JUN 2023, 68 (2), pg.212-217, IDS:L9TQ7, WOS:001026628400016, **Q4**

I. PhD Thesis (T)

- T1.** *Knowledge testing in e-learning systems, with applications in project management*, publicly held on 15.07.2011, Academy of Economic Studies in Bucharest, Economic Informatics field
https://www.dropbox.com/s/8es63s42vld8op/RezumatPhD_en_DascaluMaria.pdf?dl=0

II. PUBLISHED BOOKS (C)

Ca –. Books/courses (textbooks) for student use, published by recognized publishing houses.

- Ca1.** **Dascalu, Maria-Iuliana**; Dragoi, George; Mitrea, Dan Alexandru; Stanica, Iulia-Cristina; Marin, Iuliana; APPRENEZ À PROGRAMMER EN JAVA -

Ca2. GUIDE DE TRAVAUX PRATIQUES, ISBN: 978-606-515-890-0, Politehnica PRESS, 2019, 170 pg.
Dascalu, Maria-Iuliana; Marin, Iuliana; Semantic Web: Theory and Applications, Editura Printech (COD CNCIS: 54), 2016, ISBN 978-606-23-0705-9, 212 pg

Cb - Specialized books published in recognized publishing houses (author, co-author, editor).

- Cb1.** Constanta-Nicoleta Bodea, **Maria-Iuliana Dascalu**, Ronggui Ding, Maria Koutintcheva, Yan Xue, Qing Yang, Research Evaluation Baseline, International Project Management Association (IPMA) Standard, ISBN 978-94-92338-34-1, 56 pg., 2022
- Cb2.** Anca Mohora, **Maria-Iuliana Dascalu**, "A Recommender Agent for Personalizing Learning Environments", LAP LAMBERT Academic Publishing, ISBN-10: 9783659683299, ISBN-13 : 978-3659683299, 76 pg., 2017
- Cb3.** Moldoveanu, Alin; Moldoveanu, Florica; **Dascalu, Maria-Iuliana;** Ioniță, Anca; Ferche, Oana-Maria; Asavei, Victor; Morar, Anca, UML Practic, Editura Matrix Rom (COD CNCIS: 39), 168 pg., 2014, ISBN 978-606-25-0118-1, CIP 2014-24174
- Cb4.** Carutasu, George; Moise, Elena; Coculescu, Cristina; **Dascalu, Maria-Iuliana;** Vasileanu, Andrei; Spiridon, Gabriel; Florian, Ion Laurentiu; Childesco, Sasa; Onu, Ana Maria, Intreprinderea simulata - ghid de infiintare si functionare, Editura Politehnica Press (COD CNCIS:19), 317 pg., 2015, ISBN 978-606-515-636-4, CIP 2015-17408

III. OTHER PUBLISHED MATERIALS (I,D)

D - Other published works: chapters published in collective volumes, written theoretical chapters, functional laboratory systems, etc.

- D1.** Bodea, Constanta-Nicoleta; **Dascalu, Maria-Iuliana;** Mogos, Radu Ioan; Stancu, Stelian, Learning Analytics, in *ENCYCLOPEDIA OF INFORMATION SCIENCE AND TECHNOLOGY*, 4TH EDITION, ISBN978-1-5225-2256-0; 978-1-5225-2255-3, 2018, pg 5158-5168, DOI 10.4018/978-1-5225-2255-3.ch448, IDS B19SE, WOS:00041640130503
- D2.** Mogos, Radu-Ioan; Bodea, Constanta-Nicoleta; Stancu, Stelian; Pumus, Augustin; **Dascalu, Maria-Iuliana**, Educating Project Managers to Deal with Project Risks: Improvement of the Educational Programmes Design by Using Curriculum Management Systems, in *"MANAGING PROJECT RISKS FOR COMPETITIVE ADVANTAGE IN CHANGING BUSINESS ENVIRONMENTS*, editors Constanta-Nicoleta Bodea, Augustin Pumus, Martina Huemann, Miklós Hajdu, ISSN 2331-768X , eISSN 2331-7698, ISBN978-1-5225-0336-1; 978-1-5225-0335-4 , 2016, pg 231-257 (27 pg.), DOI 10.4018/978-1-5225-0335-4.ch012, IDS B19BH, WOS:000415920900014
- D3.** Bodea, Constanta-Nicoleta; **Dascalu, Maria-Iuliana**, Building Efficient Assessment Applications with Personalized Feedback: A Model for Requirement Specifications, in *"Intelligent Techniques in Recommendation Systems: Contextual Advancements and New Methods"*, editors Satchidananda Dehuri, Manas Ranjan Patra, Bijan Bihari Misra & Alok Kumar Jagadev, IGI Global, pg. 30-48 (19 pg.), 2013, DOI: 10.4018/978-1-4666-2542-6.ch002, ISBN 978-1-4666-2542-6, EISBN 978-1-4666-2543-3, IDS BJ0EB, WOS:000416680200003
- D4.** Bodea, Constanta-Nicoleta; Lipai, Adina; **Dascalu, Maria-Iuliana**, An Ontology-Based Search Tool in the Semantic Web, in *"Advancing Information Management through Semantic Web Concepts and Ontologies"*, editors Patricia Ordóñez de Pablos, Héctor Oscar Nigro, Robert Tennyson, Sandra Elizabeth González Císaro & Waldemar Karwowski, IGI Global, pg. 221-249 (29 pg.), 2013, DOI: 10.4018/978-1-4666-2494-8.ch012, ISBN 978-1-4666-2494-8, EISBN 978-1-4666-2495-5, IDS BJ0GC, WOS:000416741600013
- D5.** Bodea, Constanta-Nicoleta; Lipai, Adina; **Dascalu, Maria-Iuliana**, Ontology-Based Clustering of the Web Meta-Search Results, in *"Machine Learning Algorithms for Problem Solving in Computational Applications: Intelligent Techniques"*, editor Siddhivinayak Kulkarni, IGI Global, pg. 332-356 (25 pg.), 2012, DOI: 10.4018/978-1-4666-1833-6.ch019, ISBN 978-1-4666-1833-6, EISBN 978-1-4666-1834-3, IDS BJ0FX, WOS:000416736400020
- D6.** Bodea, Constanta-Nicoleta; **Dascalu, Maria-Iuliana;** Ordonez de Pablos, Patricia, Improving Managerial Training Services in Project-Oriented Organizations with an Ontology-Alignment-Based Recommendation Mechanism, in *"Strategic Role of Tertiary Education and Technologies for Sustainable Competitive Advantage"*, editors Patricia Ordóñez de Pablos & Robert D. Tennyson, IGI Global, pg. 86-102 (17 pagini), 2013, DOI: 10.4018/978-1-4666-4233-1.ch002, ISBN10: 1466642335, WOS:000363366700003, ID, S Number: BD7NZ
- D7.** Bodea, Constanta-Nicoleta; **Dascalu, Maria-Iuliana;**Towards a Contextualized Definition of e-Learning Quality: an Empirical Study of Online Programs in Project Management, ch. 2 in *"Evaluation in e-Learning"*, editori Y. Psaromiligkos, A. Spyridakos & S. Retalis, Nova Publishers Press, pg. 13-41 (28 pg.), 2012, ISBN: 978-1-62081-106-1
- D8.** Bodea, Constanta-Nicoleta; Bodea, Vasile;Rosca, Ion Gh.; Mogos, Radu; **Dascalu, Maria-Iuliana**, Mining Student Participatory Behavior in Virtual Learning Communities, in *"Virtual Community Participation and Motivation: Cross-Disciplinary Theories"*, editor Honglei Li, IGI Global, pg.267-314 (48 pg.), 2012, DOI: 10.4018/978-1-4666-0312-7.ch016, ISBN13: 9781466603127, ISBN10: 1466603127, EISBN13: 9781466603134
- D9.** Bodea, Constanta-Nicoleta; **Dascalu, Maria-Iuliana;**Designing an Innovative Training Tool: A Formative E-Assessment System for Project Management, ch. 8 in *"Methodologies, Tools and New Developments for E-Learning"*, editors Elvis Pontes, Anderson Silva, Adilson Gueffi si Sérgio Takeo Kofuji, InTECH Press, pg. 149-168 (20 pg.), 2012, ISBN: 978-953-51-0029-4
- D10.** Bodea, Constanta-Nicoleta; **Dascalu, Maria-Iuliana;** Lipai, Adina, Clustering of the Web Search Results in Educational Recommender Systems, in *"Educational Recommender Systems and Technologies: Practices and Challenges"*, editors Olga C. Santos & Jesus G. Boticario, IGI Global, pg. 154-181 (28 pg.), 2012, DOI: 10.4018/978-1-61350-489-5.ch007, ISBN13: 9781613504895, ISBN10: 1613504896, EISBN13: 9781613504901
- D11.** Bodea, Constanta-Nicoleta; Bodea, Vasile;Rosca, Ion Gh.; Mogos, Radu; **Dascalu, Maria-Iuliana**, Student Performance in e-Learning Environments: an Empirical Analysis Through Data Mining, in *"Student Satisfaction and Learning Outcomes in E-Learning: An Introduction to Empirical Research"*, editors Sean B. Eom & J. B. Arbaugh, IGI Global, pg. 149-194 (46 pg.), 2011, DOI: 10.4018/978-1-60960-615-2, ISBN13: 9781609606152, ISBN10: 1609606159, EISBN13: 9781609606169, WOS:000303201100009, IDS Number: BZX28
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IV. PUBLISHED ARTICLES / STUDIES IN EXTENSO (R,V)

Ris - Recognized specialized journals of international circulation (quoted / indexed ISI Thomson Reuters, or indexed in other International Databases - BDI specific to the field, which make a process of selection of journals based on performance criteria).

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- Vi20.** Stefan, A.M., **Dascalu, M.I.**, Stanica, I.C., MOBILE TRAINING AND ASSISTIVE APPLICATION TO INCREASE THE QUALITY OF LIFE FOR PEOPLE WITH CHRONIC DISEASES, 13th annual International Conference of Education, Research and Innovation, ISBN: 978-84-09-24232-0, 9-10 Nov., 2020, pg. 7011-7018, DOI: 10.21125/iceri.2020.1502[Google Scholar]
- Vi21.** Chirascu, M.I.M., Stanica, I.C., **Dascalu, M.I.**, VIRTUAL REALITY-BASED TRAINING PLATFORM FOR EDUCATING CHILDREN TO ACT CORRECTLY IN FIRE EMERGENCY SITUATIONS, 13th annual International Conference of Education, Research and Innovation, ISBN: 978-84-09-24232-0, 9-10 Nov. 2020, pg. 6991-6998, DOI: 10.21125/iceri.2020.1497[Google Scholar]
- Vi22.** Neagu, Cristian, Stănică, Iulia-Cristina, **Dascalu, Maria-Iuliana**, Innovative Training System to Improve the Mobility of the Visually Impaired People, 6th INNOVATION AND SUSTAINABILITY INTERNATIONAL SCIENTIFIC CONFERENCE & 13th EPIEM CONFERENCE EUROPEAN PROFESSORS OF INDUSTRIAL ENGINEERING AND MANAGEMENT, ISSN 2501-6695, Oct. 2020, pg. 41-49[Google Scholar]
- Vi23.** Trifan, L., **Dascalu, M.I.**, Malatov, A., Stanica, I.C., Mustata, C., EXPERIMENTAL ONTOLOGY-BASED EDUCATIONAL RECOMMENDER SYSTEM TO SUPPORT KNOWLEDGE ACQUISITION, 12th International Conference on Education and New Learning Technologies, ISBN: 978-84-09-17979-4, pg. 5659-5667, DOI: 10.21125/edulearn.2020.1484[Google Scholar]
- Vi24.** Trifan, L., **Dascalu, M.I.**, Mustata, C., Stanica, I.C., A CASE OF SUSTAINABILITY FOR ENTREPRENEURSHIP EDUCATION IN THE GLOBALIZED WORLD, 12th International Conference on Education and New Learning Technologies, ISBN: 978-84-09-17979-4, pg. 4803-4810, DOI: 10.21125/edulearn.2020.1265[Google Scholar]
- Vi25.** BODEA, CN, MOGOȘ, RI, MÜLLER, M, **DASCĂLU, M.I.**, AI-BASED ELEARNING FOR TRAINING PROJECT MANAGERS TO NAVIGATE IN VUCA ENVIRONMENTS, MI eLearning & Software for Education . 2020, Vol. 2, p319-327, DOI 10.12753/2066-026X-20-126[Google Scholar]
- Vi26.** **Dascalu, Maria-Iuliana**, Bodea, Constanta-Nicoleta, Stanica, Iulia - Cristina, Lazarou, Elisabeth, Nitu, Melania, Dascalu, Lenuta, DIMINISHING THE UNIVERSITY DROP-OUT RATES IN ROMANIAN ENGINEERING PROGRAMS BY USING A SMART CAREER PATH PROFILING SYSTEM, The International Scientific Conference eLearning and Software for Education, vol. 2, 2020, pg. 297-304, DOI 10.12753/2066-026X-20-123[Google Scholar]
- Vi27.** Stanica, Iulia - Cristina, Moldoveanu, Alin, Moldoveanu, Florica, Gradinaru, Alexandru, **Dascalu, Maria-Iuliana**, SOCIO-COLLABORATIVE READING THROUGH AR-ANNOTATIONS OVER PHYSICAL BOOKS, eLearning & Software for Education, vol. 1, pg. 159-165, DOI 10.12753/2066-026X-20-020[Google Scholar]
- Vi28.** **Dascalu, Maria-Iuliana**, Constantin, Victor-Florin, Lazarou, Elisabeth, Emergent Technologies-based Solution for Identification of Innovative Resources in Engineering Education and Research, International Scientific and Practical Conference "Modern Engineering Education: Contemporary International Challenges and Perspectives", Magnitogorsk, Russia, ISBN 978-5-00150-492-4[Google Scholar]
- Vi29.** Moldoveanu, Alin, Bălan, Oana, Ivănică, Gabriel, Stănică, Iulia, Ivașcu, Silviu, Moldoveanu, Florica, **Dascălu, Maria-Iuliana**, Flamaropol, Daniel, Morar, Anca, Reusable Virtual Training and Evaluation Solutions for Sensory Substitution Devices, Position paper submitted to CHI 2019 Workshop on Hacking Blind Navigation. Copyright held by authors. ACM ISBN 978-1-4503-5971-9/19/05, 2019 [Google Scholar]
- Vi30.** **Dascalu, Maria-Iuliana**, Navlea, Mirabela, THE INSTRUMENTAL VALUE OF SOCIAL RESPONSIBILITY FOR COLLABORATIVE LEARNING: A CASE-STUDY BASED RESEARCH, Social Responsibility, Ethics and Sustainable Business: Theory and Practice (ISBN: 978-606-505-833-0), 2014 [Google Scholar]
- Vi31.** MUOH, N., ABDUL-KARIM, I., ROSU, S., **DASCALU, M.-I.**, STANICA, I.-C. (2017). TRAINING BASED ON VIRTUAL SIMULATORS. CASE STUDY FOR IMPROVING PARKING SKILLS. The 13th International Scientific Conference eLearning and Software for Education (eLSE) (pp. 495-501). Bucharest: CAROL I National Defence University Publishing House. doi:10.12753/2066-026X-17-155 [Google Scholar]

V. PATENTS / INNOVATIONS (B,A)

B - Patents.

A – Innovations and other creations.

VI. CONTRACTS AND SCIENTIFIC REPORTS (P,F)

P – R&D-innovation projects obtained through competition, on a contract/grant basis, in the country/abroad (Pn – national, Pi - international).

- Pn1.** LeProVE (Contruirea si exploatarea profilului utilizatorilor in medii de invatare virtuale: metode, implicatii psihosociale si consecinte utilizand tehnici de analiza avansata a datelor - Learner Profiling in Virtual Environments). Grant intern de cercetare Universitatea POLITEHNICA din Bucuresti, nr intern UPB LS 46.16.02, 83/26.09.2016, cod 303. Valoare totala: 22000 lei. 2016-2017 – **director**
- Pn2.** CAREPROFSYS - SISTEM INTELIGENT DE PROFIL DE CARIERĂ BAZAT PE O PLATFORMA DE FUZIUNE SEMANTICA A DATELOR (Smart Career Profiler based on a Semantic Data Fusion Framework), TE 151/ 2022; ID CRESCDI 220224521. Valoare totala: 442750 lei. 2022-2024 – **director**
- Pn3.** TRAVEE - Terapeut Virtual prin Feedback Augmentat pentru Recuperarea Neuromotorie (Virtual Therapist with Augmented Feedback for Neuromotor Recovery), PNCDII- Parteneriate, PN-II-PT-PCCA-2013-4-1580. Valoare totala: 1,450,000 RON, UPB: 375000 RON. 2014-2016 – membru
- Pn4.** CONPROF - Un student consiliat și orientat profesional, un tânăr pregătit pentru piața muncii (A counseled and professionally oriented student, a young man prepared for the labor market), POSDRU / 161 / 2.1 / G / 137369. 2014-2015 – membru
- Pn5.** SICOMAP - Collaborative systems for managing economic projects (Sisteme colaborative pentru managementul proiectelor economice), PN II-Parteneriate, cod 3250/2008. 2008-2010- membru
- Pn6.** Lib2Life - Revitalizing libraries and cultural heritage through advanced technologies (Revitalizarea bibliotecilor și a patrimoniului cultural prin tehnologii avansate)-Pr.3 . PN3 R, Proiect complex, Contract Nr. 69PCCDI / 201. [https://lib2life.cbuc.ro/]. 2018 - 2021- membru
- Pn7.** PP-TIC - Pregătire profesională și practică pentru a răspunde cerințelor industriei în domeniul tehnologiei informației. POCU, cod SMIS 133115. 2020-2022- membru
- Pn8.** ROSE-AG 332/SGU/PV/III/22.06.2020 - Hai la facultate! Program de vara pentru elevi de liceu-StudUPB. 2020-2024. – membru
- Pn9.** POCU/829/6/13/141274-EntrepLoading...2021-2023- membru
- Pn10.** PROIECT CNFIS FDI 2017-0127, D8 - Racordarea învățământului superior tehnic la necesitățile mediului socio-economic – expert pe termen scurt
- Pi1.** START-SoPI (Feasibility Study on Implementing a Pan-European Social Platform to Support Lifelong Learning and Employability). Finantat de START – Danube Region Project Fund, grant nr. 16-PA07-C2, nr. intern UPB FL11-16-01, 26495/2015. Valoare totala: 19,498 Euro, UPB: 3,318 Euro. 2015-2016. <http://startsopi.ase.ro/> - **responsabil UPB**
- Pi2.** Sound of Vision (Natural sense of vision through acoustics and haptics). Finantat de Horizon 2020, H2020-PHC-2014, cod proiect: 643636. Valoare totala: 3,960,709 Euro, UPB: 575,938 Euro. 2015-2018. <http://www.soundofvision.net/> - membru
- Pi3.** FCINT (Framework pentru compunerea serviciilor, bazat pe ontologii pentru agregarea cunostintelor si informatiilor din cladiri inteligente), Cod SMIS-CSNR 12038, POS-CCE, O212. Valoare totala: 5,944,521 RON. 2010-2013. <http://www.fcint.ro/> - membru
- Pi4.** HAI-OPS (Hospital Acquired Infection and Outbreak Prevention System). Eurostars Project E98321, UEFISCDI contract no. 47E/2015 / 09.12.2015. Valoare totala: 1,311,751 RON/ finantare publica : 1,548,373 RON. 2015-2017. <http://haiops.eu/> - membru
- Pi5.** EXTEND 586060-EPP-1-2017-1-RO-EPPKA2-CBHE-JP, EXCELLENCE IN ENGINEERING EDUCATION THROUGH TEACHER TRAINING AND NEW PEDAGOGIC APPROACHES IN RUSSIA AND TAJIKISTAN. Erasmus+ Capacity Building in Higher Education. 2017-2021 – membru
- Pi6.** CITE - Computing Innovation for Technology Entrepreneurship. PROIECT SEE 18-COP-0012/2019. 2019-2022 – membru

F –Other research and development works

- F1.** **Maria-Iuliana Dascalu**, Postdoctoral scientific report Intelligent tool for recommending and optimizing collaborative learning activities in multidisciplinary teams, field of Computers and Information Technology, Polytechnic University of Bucharest, funded by ExcelDOC, POSDRU/159/1.5/S/132397, 49 pages, 2015

VII. UNPUBLISHED SCIENTIFIC COMMUNICATIONS (E)

E – Papers presented at various seminars/exhibitions, conferences, etc.

- E1.** **Maria-Iuliana Dascalu**, Constanta-Nicoleta Bodea, Getting Certified! Increase Wellbeing through Certification of Project Management Competences, LLinE Conference, Finlanda, ianuarie 2010
- E2.** Constanta-Nicoleta Bodea, **Maria-Iuliana Dascalu**, Quality in Project Management Education & Training: Toward A Contextualized Definition, 24th IPMA World Congress, Istanbul, Turcia, noiembrie 2010
- E3.** Constanta-Nicoleta Bodea, **Maria-Iuliana Dascalu**, 2D Parametrized Models for Project Management Test Generation, Proceedings of the 23rd European Conference on Operational Research OR Creating Competitive Advantage, EURO, Conference 2009, Bonn, Germany, 5-8 iulie 2009

- E4. M.I. Dascalu**, V.A. Brîndușescu, I.C. Stanica, B.I. Uta, I.A. Bratosin, A. Mitrea, CHATBOT CAREPROFSYS POUR SOUTENIR LE CONSEIL ET L'ORIENTATION VERS UNE PROFESSION DANS UN DOMAINE D'INGENIERIE, La 2ème édition du Symposium de la recherche scientifique francophone en Europe centrale et orientale, Bucharest (Romania), 27-28 Nov. 2023

27.04.2025, Bucharest