



PERSONAL INFORMATION

Daniela-Monica IORDACHE, Ph.D

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JOB POSITION Professor in Industrial Engineering

WORK EXPERIENCE

Since 2022 - Habilitation to supervise Phd students

2016 – 2020 Associate professor

2007 – 2016 Lecturer

2003 – 2007 Assistant professor

2000 – 2003 Laboratory assistant

Name and address of the employer **University of Pitesti, Faculty of Mechanics and Technology,
Department of Technology and Management
1 Targul din Vale Street**

Type or sector of activity University education

UNIVERSITY MANAGEMENT

Head of Department Manufacturing and Industrial Management

Period 2019-present

Function or position held **Senate member** of University of Pitesti

Period may 2016 – octomber 2019

Function or position held **Vice-dean**, Faculty of Mechanics and Technology

Period 2012 - 2016

Function or position held **Council head** of "Manufacturing Specialty Disciplines" within the Manufacturing and Industrial Management department

Name and address of the employer University of Pitesti, Faculty of Mechanics and Technology,
Department of Technology and Management
1 Targul din Vale Street

EDUCATION AND TRAINING

Doctor of Industrial Engineering and Mechanics

Ph.D

University of Pitesti /University of Metz

2000 - 2002 **Franco-Romanian Master of "Science and technology of materials"** MSc

University of Pitesti, Faculty of Mechanics and Technology

University of Metz, Laboratory of Physics and Mechanics of Materials

1995 - 2000 **Bachelor of Industrial Engineering**

BSc

University of Pitesti, Faculty of Mechanics and Technology

Period **2002, 2005, 2009, 2010, 2013, 2014, 2015, 2016, 2017, 2019**

Basic topics / accumulated competencies *Training internships*

Name and the type of educational institution / training provide University of Metz, Laboratory of Physics and Mechanics of Materials, France

Name and the type of educational institution / training provider/ Period **June 2018, October 2021, July 2022**
University ENSTA Bretagne, Brest, France

PERSONAL SKILLS

Mother tongue(s) - Romanian Romanian language

Other language(s)	Listening	Reading	Participation at conversation	Speech	written expression
French	B2	B1	B2	B1	B2
English	A2	A2	A2	A1	A2

Communication skills

- Communication skills.
- Good communication skills gained through experience as manager as Vice Dean of Faculty, Head of Department

Job-related skills

- Teaching
- Managerial (managing the faculty staff, department staff and students in daily basis)
- Good command of quality control processes
- Collaboration with industry and other institutions

RESEARCH PUBLICATIONS

- 98 articles published in specialized journals in the country and abroad (of which 5 articles in ISI-listed international journals, 17 articles in ISI Proceedings, 52 articles are published in indexed journals in databases of which 22 as first author, 24 articles in Romanian national magazines);
- 17 articles published in the volumes of national or international conferences held in the country or abroad.
- 5 patent approved (2-2013, 1-2017, 1-2020, 1-2022)

UNIVERSITY PUBLICATIONS

- 3 published speciality books (in romanian)
- 11 published university textbooks:

RESEARCH PROJECTS*Management*

- 2019-2020 manager of the international project Modeling and numerical simulation of the friction stir welding-FSW, PN-III-P3-3.1-PM-RO- FR-2019-0048
- 2018-2020 UPIT manager of the research project Incremental deformation processing of parts in the automotive industry, Code PN-III-P1-1.2-PCCDI-2017-0446
- 2014-2017 manager for the research project "Innovative, ecological and efficient technologies for joining metallic and polymeric materials used in the automotive industry, using the technique of friction stir welding (Inova-FSW)", contract no.219/2014, in collaboration with ISIM Timisoara, Univ. Timisoara and Renault Technology Roumanie
- 2016-2018 manager for the international project Soutien aux formations francophones, Bureau Europe Centrale et Orientale, Agence Universitaire de la Francophonie,

Member of the project team

- 2018-2020 member of the research team of the project Research on the implementation of Artificial Intelligence in the design of automotive components, for manufacturing 3D Printing, Code PN-III-P1-1.2-PCCDI-2017-0224
- member of the research team for 2 national contracts (Analytical and numerical modeling of processing processes by cold volumetric plastic deformation of complex profiles 2009-2011) and for 1 international contract (Experimental characterization and numerical modeling of the rolling of complex profiles 2009- 2010);
- 2019, coordinator of program establishment within the POCU project 2014-2020 "Insertion on the labor market - the vector of tertiary education", SMIS Code 2014+: 121221
- 2015, short-term expert in the project "Increasing the integration capacity on the labor market of students and graduates through counseling and practical placements", Contract POSDRU 160 / 2.1 / S / 133020;
- 2015, long-term expert in the project "Sustainable performance in doctoral and post-doctoral research" - PERFORM, Contract POSDRU 138963/2014.

- Research themes**
- Friction Stir Welding;
 - Manufacturing devices
 - FEM of cold plastic deformation processes with Abaqus /CAE;
 - CLD and CLF;
 - FEM of deep-drawing with Abaqus /CAE.

- Reviewer**
- Journal of Engineering Manufacture; Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture; Journal of Alloys and Compounds; Journal of Applied and Computational Mechanics; Advances in Mechanical Engineering; Advanced Materials Research; Matematiche; Applied Sciences; Symmetry; Shock and Vibration; Materials; Journal of Composites Science; Symmetry; Applied Sciences; International Journal of Material Forming; Sustainability; Journal of Mechanical Engineering Science; International Journal of Industrial Engineering and Management; Advanced Materials Research; Scientific Bulletin, Automotive Series, University of Pitești; Journal of Manufacturing and Materials Processing.

- ModTech International Conference - Modern Technologies in Industrial Engineering; International Conference "Innovative Technologies for Joining Advanced Materials; Innovative Manufacturing Engineering & Energy - IManEE, International Conference; Structural Integrity of Welded Structures - ISCS17, Timișoara, Romania; International Conference on Advanced Manufacturing Technologies - ICAMaT

- Scientific Conference Committees:** ModTech International Conference - Modern Technologies in Industrial Engineering; International Conference "Innovative Technologies for Joining Advanced Materials; Innovative Manufacturing Engineering & Energy - IManEE, International Conference; Structural Integrity of Welded Structures - ISCS17, Timișoara, Romania; International Conference on Advanced Manufacturing Technologies - ICAMaT

- Publication metrics** Web of Science ResearcherID: C-6155-2015
 Scopus ID: 57224450457
 ORCID ID: <https://orcid.org/0000-0001-9739-8585>
<https://www.webofscience.com/wos/author/record/184710?state=%7B%7D>
 Index Hirsch Clarivate Analytics / Scopus / Google Scholar: 5 / 5 / 7

- Membership and activities in professional associations** Modern Technologies in Industrial Engineering - professional association Iasi-Romania (ModTech)
 General Association of Engineers in Romania (AGIR)
 Society of Automobile Engineers of Romania (SIAR)
 French Society of Automotive Engineers (SIA)

10/04/2023