

PERSONAL INFORMATION

**BAROIU Nicușor**



111 Domnească St., 800201, Galati, Romania

+40-336 130 208 +40-721 771 000

nicusor.baroiu@ugal.ro, nicusorbar@yahoo.com

http://www.cmrs.ugal.ro/CD/NicusorBaroiu\_En.htm

Sex Male | Date of birth 19/11/1975 – Vatra Domei, SV | Nationality Romanian

WORK EXPERIENCE

Associate Professor, PhD

- "Dunarea de Jos" University of Galati, Faculty of Engineering, Department of Manufacturing Engineering, 111 Domnească St., 800201, Galati, Romania, <http://www.ugal.ro>, <http://www.ing.ugal.ro>;
- "Dunarea de Jos" University of Galati, Cross-Border Faculty (Cahul – Republic of Moldova), Domain: Geodesy - Land Measurements and Cadastre, <http://www.transuei.ugal.ro>
- Performing teaching: Courses, seminars, laboratories and project activities as follows: Hydraulic and Pneumatic Drives, Geographic Information System (GIS), Geoinformatics, Topographic Drawing and Map Editing, Mathematical Cartography, Technical Drawing, Descriptive and Projective Geometry, Computers Graphics, Research and Development Management etc.
- Research activities.

Business or sector Higher Education

EDUCATION AND TRAINING

**PhD in Industrial Engineering (2009 - 2013)**

EQF level 8

"Dunarea de Jos" University of Galati, Faculty of Mechanical Engineering, Galati, Romania

Thesis Title: "Research on behaviour in the machining of the helical drill with three curved cutting edges and hyperboloid back face". Coordinator: Prof. dr. ing. Nicolae Oancea, DHC

2016 **Graduation Certificate – European Structural and Cohesion Funds Expert, Code COR 242213**

EQF level 4

STRUCTURAL EuroTRAINING, Bucharest, Authorized by The National Authority for Qualifications – NAQ (coordinated by the Ministry of National Education and Ministry of Labour and Social Protection) Planning, writing, implementing, settling and monitoring projects with non-reimbursable funds

2015 **Graduation Certificate – Project Manager, Code COR 242101**

EQF level 4

STRUCTURAL EuroTRAINING, Bucharest, Authorized by The National Authority for Qualifications – NAQ (coordinated by the Ministry of National Education and Ministry of Labour and Social Protection) Establishing integrated project management requirements: planning of project activities, managing the use of operational costs and resources for projects, conducting project procedures for acquisitions, risk, project team and project quality management

2012 **Certificate of Authorization - Class B**

EQF level 6

Ministry of Internal Affairs – National Agency for Cadastre and Land Registration - ANCPPI Specialized work in the fields of cadastre, geodesy and cartography

July 2011 **Graduation Certificate – Training courses, Modules for NX Designers, Intermediate Assemblies, CAM Milling, NX CAM Turning**

EQF level 4

Siemens Industry Software, Ada Computers and „Hermann Oberth" Faculty of Engineering, Sibiu Implementation of solutions for product life cycle management: conception and projection of the products, CAM technologies - turning and milling

April 2011 **Training program in scientific authorship**

EQF level 4

organised in the framework of project "Doctoral Studies in Schools of Excellence - Evaluation of the research activities quality in the universities and increasing the visibility by scientific publications", coordinated by the Executive Unit for Financing Higher Education, Research, Development and Innovation (UEFISCDI)

November 2009 **Graduation Certificate - Implementing and maintaining quality management systems**

EQF level 4

CRIDAS Management Solutions Training – Faculty of Mechanical Engineering, Galati, Romania

- Certification of Management Systems, Adapting implementation for services of qualification / training, Improvement of processes and of Quality Management System

November – December 2009

**Graduation Certificate – Trainer skills**

EQF level 4

Euro Didactica IAȘI endorsed by the Ministry of Education, Research and Youth, Ministry of Labour, Family and Equality of Chances, National Council for Adult Vocational Training

- Preparation and evaluation of training, design, review and promotion of the training program, organizing training programs and internships, marketing of training, evaluation of the students

2005 - 2009

**Engineer, Field: Geodetic engineering, Specialization – Land measurements and Cadastre**

EQF level 5A

Technical University of Constructions, Faculty of Geodesy Lacul Tei Boulevard, no. 122-124, Bucharest, District 2, +40-21-2421208, Romania

2008

**Graduation Certificate – postgraduate studies: Quality Management in Distance Learning**

EQF level 6

„Dunărea de Jos” University of Galati, Faculty of Economic Sciences, Nicolae Bălcescu Street, no. 59-61, Galati, 800001, Romania

- Applied Informatics in Distance Learning, Quality Management in Distance Learning, Procedures and Mechanisms of Educational Tutoring

2007

**Graduation Certificate Unigraphics CAD – Solid Edge**

EQF level 4

SolidEdge Training Centre and Unigraphics Iași, ADA Computers, UGS Solutions Partner - Bucharest

- Fundamentals and principles of 3D design, Modeling of parts using SolidEdge Part, SheetMetal Modeling, Making assemblies with SolidEdge, Obtaining works drawings - Drafting

2003

**Graduation Certificate - Web pages designer**

EQF level 4

SC Social Trade SRL / AJOFM Galati

1999 - 2000

**Advanced Studies Diploma – Field: Tribology**

EQF level 6

„Dunărea de Jos” University of Galati, Faculty of Mechanical Engineering, 47 Domnească, Galati, 800201, Romania

1994 - 1999

**Engineer, Field: Mechanical Engineering - Technological Equipment**

EQF level 5A

„Ștefan cel Mare” University of Suceava, Faculty of Mechanical Engineering, Universității Street no. 13, Suceava, 720229, Romania

1997

**Graduation Certificate - Draftsman – Applied graphics and computer aided graphics**

EQF level 4

„Ștefan cel Mare” University of Suceava, Faculty of Mechanical Engineering, Universității Street no. 13, Suceava, 720229, Romania

1995

**Graduation Certificate - Programmer Analyst - Assistant**

EQF level 4

„Ștefan cel Mare” University of Suceava, Faculty of Mechanical Engineering, Universității Street no. 13, Suceava, 720229, Romania

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
French	B2	B2	B2	B2	B2
Certificate of French Language Level B2					
English	B2	B2	B2	B2	B2
Certificate of English Language Level B2					
Russian	A1	A1	A1	A1	A1

Communication skills

- communication skills acquired through own broker experience;
- tutoring foreign Erasmus students (Portugal, Turkey, Algeria)
- tutoring student groups from Faculty of Mechanical Engineering, Faculty of Engineering;
- communication skills acquired during training courses;
- participation in national and international conferences and workshops;
- participation in national research projects.

Organizational / managerial skills

**Academic Management**

- Responsible network partner CEEPUS CIII-BG-0703-07-1819 - Modern Trends in Education and Research on Mechanical Systems - Bridging Reliability, Quality and Tribology (2018-present);
- Coordinator of the program of studies Quality Management in Industrial Engineering - MCII, Faculty of Engineering, "Dunărea de Jos" University of Galați (2018-present);
- Member of the Executive Council of the Student Entrepreneurship Society of the "Dunărea de Jos" University of Galați (2017-present);
- Head of the Communication and Image Department of the Faculty of Mechanical Engineering/Faculty of Engineering (2012-2016);
- Head of the admission committee of the Faculty of Mechanical Engineering/Faculty of Engineering, "Dunărea de Jos" University of Galați (2009, 2010, 2013, 2014, 2015);
- Technical Manager - Research and Development Center of Excellence in Modeling and Numerical Simulation (CE-CDMSN), Faculty of Mechanical Engineering (2012-2015);
- Member of the coordinating team involved in the accreditation of the degree and master's degree programs - Technologies in Machine Building, Economic Industrial Engineering, Fine Mechanics and Nano-Technologies, Computer – Aided Graphics and Modelling, Engineering and Management of Integrated Manufacturing Systems, Quality Management in Industrial Engineering - Faculty of Mechanical Engineering / Faculty of Engineering, "Dunărea de Jos" University of Galați;
- Member of the "Dunarea de Jos" University of Galati Senate (2004).

**Scientific committees / organization:**

- Member of the organizing teams and scientific committees of international conferences: Modern Technologies in Industrial Engineering - ModTech, 2016-2019, Romania, International Conference on Engineering Graphics and Design ICEGD, 2017, Romania, International Conference New Technologies in Manufacturing - NEWTECH 2009, Galati, Romania, International Conference on Engineering Graphics and Design, Second Edition - ICEGD 2007, Galati, Romania;
- Member of the team for organizing national scientific conferences and events: The Days of the Academy of Technical Sciences of Romania - "Development of companies through innovation" 10th Edition, Galati, 9-10 October 2015, "Mihai Honorius Teodorescu" Technical Competition - CMHT, Galati, editions 2012-2019, "Anghel Saligny" National Scientific Communication Session, Galati, editions 2010-2015, 2019;
- Editor - Journal of Industrial Design and Engineering Graphics – JIDEG, Ed. SORGING, ISSN 1843-3766 (2007-2009);
- Editorial Secretary - The Annals of „Dunărea de Jos” University of Galați, Fascicle V, Technologies in Machine Building, ISSN 1221-4566 (2013-present).

Job-related skills

- A good knowledge of quality assurance and control processes in higher education - certified studies in quality management in distance learning, training competences;

Digital skills

- MSWindows & MSOffice; Graphic applications: Corel Draw, Adobe PhotoShop, Adobe Illustrator, 3D Studio Max; Editare web design: HTML, Flash, Php; CAD/CAE/CAM: DMT, AutoCAD, Solid Edge, NX Siemens

Driving licence

- Driving licence - B

ADDITIONAL INFORMATION

Publications

**Publications**

- Projects
- Honours and awards
- Membership

- First author/co-author of over 140 articles published in scientific journals indexed by Thomson Reuters - Web of Science (ISI), indexed by International Databases (IDB), National journals ranked by CNCSIS (B+, B) or published in national and international not indexed journals;
- Co-author of 2 patents;
- Co-author of 10 teaching manuals, books, laboratory guidebook, etc.

Publications  
 Projects  
 Honours and awards  
 Membership

**Projects** (manager and member of the implementation teams)

- Project CNFIS-FDI-2020-0406, "Transposing the results of research accomplished at the "Dunărea de Jos" University of Galați (UDJG) into entrepreneurial initiatives" – TRECIA (2020);
- Project POCU 379/6/21/-124651, "Attracting candidates (prospective students) to tertiary engineering university education and preparing them for the demands of the current labor market" (2019-2021) - Responsible partner;
- Project CNFIS-FDI-2019-0309, "Entrepreneurial skills and abilities for students" - CAAS (2019);
- Project PN-III-P1-1.2-PCCDI-2017-0446, "Intelligent manufacturing technologies for advanced parts production in the automotive and aeronautical industries" - TFI PMAIAA (2017-2019) - Responsible component project partner;
- Project CNFIS-FDI-2018-0132 project, "Development, adaptation and transformation in student entrepreneurship" - DATAS (2018) - Project manager;
- Project "STEAM Education and Learning by Robotics, 3D and Mobile Technologies" - FabLab SchoolNet, cod 2018-1-LT01-KA201-047064 (2018);
- Project „The Algerian National Laboratory for Maintenance Education” - ANL MEd, cod 586035-EPP-1-2017-1-DZ-EPPKA2-CBHE-JP (2017);
- Project CNFIS-FDI-2017-0542, "Modern and efficient entrepreneurship for UDJG students and graduates" - SAS-UGAL (2017) - Project Manager;
- Project PN-II-RU-TE-2014-4-0031, "Synthesis of new CAD design algorithms for cutting tool profiles, generating complex surfaces, with non-analytical means" (2015-2017);
- Project PN-II-PT-PCCA-2013-4-2104, "1D and 2D nanostructures based on ZnO and innovative technological processes for their direct integration into gas detection and UV radiation detection devices" - NANOZON (2014- 2016);
- Project POSDRU - 161/2.1/G/136624, "Design your career!" (2014-2015);
- Project POSDRU - 60/2.1/S/34217, "PLM Adaptor" (2010-2011);
- Project PN-II-ID-PCE-2008-2ID\_1761, "Study of the behavior of the rigid/elastic/elasto-plastic media assembly and its application to the reconfigurability of multi-point deformation molds" (2009-2011);
- Project PN II - 31070/14.09.2007, "Studies and researches for establishing the content of risk maps. Developing the digital terrain model for risk management in the Lower Danube area"- RISK GAL (2007-2010);
- Project CEEEX 12383/2006, Contract no. 116/2006, "Organization of the International Conference on Engineering Graphics and Design, 2nd edition – ICEGD (2007);
- Project Phare 016-772.04.02.02.01.01.226, "Training program for developing skills in computer-aided design" (2007).
- Grant CNCSIS type A, 21/2004, "Studies and researches on the tribology and the efficiency of the mobile contactless seals" (2004).

**Honours and awards**

- Award for research results/Articles, PN-III-P1-1.1-PRECISI-2019-36799, for article in Measurement Journal, 2019;
- Excellence diploma and golden medal for "Hydraulic stand for mounting the cases of the rolling cylinders - laboratory version", N. Baroiu, E.F. Beznea, V. Iroveanu, International Exhibition of Scientific Research, Innovation and Invention "PRO INVENT", 2018;
- Excellence diploma and golden medal for "Method and device for the hyperbolic sharpening of multi-edge helical drills with cutting edges in a circle arc", V.G. Teodor, N. Baroiu, C. Fetecău, S. Berbinschi, N. Oancea, International Exhibition of Scientific Research, Innovation and Invention "PRO INVENT", 2018;
- Diploma „Anghel Saligny” for excellence achievements as Assistant Professor granted by Faculty of Engineering, "Dunărea de Jos" University, 2018;
- Award for research results/Articles, Articles, PN-III-P1-1.1-PRECISI2017-16261, for article in European Polymer Journal (EPJ), 2017;
- Award for research results/ Patents, PN-III-P1-1.1-PRECBVT2017-0078, for patent no. 128719/2017;
- Award for research results/ Patents, PN-III-P1-1.1-PRECBVT2017-0092, for patent no. 127177/2017;
- "Florin Doru Cilincă" diploma for activities to promote the image of the Faculty of Mechanical Engineering, 2009, 2010, 2014;
- Diploma „Anghel Saligny” for excellence achievements as Junior Assistant Professor granted by Faculty of Engineering, „Dunarea de Jos” University of Galati, 2014;
- Diploma of excellence "Mircea Traian Manolache" for young researchers, Faculty of Mechanical Engineering, „Dunarea de Jos” University of Galati, 2013.

Publications  
Projects  
Honours and awards  
Membership

**Member of Professional Associations**

- AGCIM-XXI - Association "Geo-Cybernetics and Environmental Engineering Sec. XXI "- president, founding member;
- "AEH CLUB" ASSOCIATION, vice-president, founding member;
- SORGING - Romanian Society of Engineering Graphics - member;
- AGIR - General Association of Engineers in Romania, Galați Branch - member;
- SRR - Robotics Society of Romania, Galați Branch - member;
- ModTech - Professional Association in Modern Manufacturing Technologies - member;
- AUIF - Academic Association of Manufacturing Engineering, Galați Branch - member;
- SIAR - Automotive Engineers Society of Romania - member.

01.10.2020

Assoc. Prof. Dr. Eng. Nicușor BAROIU

