

PERSONAL INFORMATION

CORDOŞ N. NICOLAE

Actorului Str., No.24, Loc. Cluj-Napoca

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Sex M | Date of birth 06/07/1976 | Nationality Română

Associate Professor. Automotive and Transportation Department , Faculty of Automotive, Mechatronics and Mechanical , Technical University of Cluj-Napoca

PROFESSIONAL EXPERIENCE

09.2021 - present

Associate Professor

- **Main activities and responsibilities:** teaching and research activities: teaching specialized courses; coordinating laboratory work, project work and productive practice; guidance of license and dissertation papers; research activities in the department;
- **Type or activity field :** Department : Automotive and Transportation , Faculty of Automotive, Mechatronics and Mechanical .

04.2015 – 09.2021

Lecturer

- **Main activities and responsibilities:** teaching and research activities: teaching specialized courses; coordinating laboratory work, project work and productive practice; guidance of license and dissertation papers; research activities in the department;
- **Type or activity field :** Department : Automotive and Transportation , Faculty of Automotive, Mechatronics and Mechanical .

10.2012 – 03.2015

Assistent Professor

Technical University of Cluj-Napoca , Automotive and Transportation Department

- **Main activities and responsibilities:** teaching and research activities: teaching specialized courses; coordinating laboratory work, project work and productive practice; guidance of license and dissertation papers; research activities in the department;
- **Type or activity field :** Department : Automotive and Transportation , Faculty of Automotive, Mechatronics and Mechanical .

07. 2010 – 04. 2013

Postdoctoral researcher

Technical University of Cluj-Napoca

- **Main activities and responsibilities:** Researches regarding the influence of additives in biofuels to their use to supply diesel engines view to reducing pollution.
- **Type or activity field :** Research în the project "*4D-POSTDOC – development and support for postdoctoral multidisciplinary programmes in priority technical fields according to the national research–development–innovation strategy*".

01.2004 – 07.2010

Sales consultant

S.C. RMB Inter-Auto S.R.L., Cluj-Napoca

- **Main activities and responsibilities:** Technical advice of the clients for Mercedes auto vehicle
- **Type or activity field:** Mercedes-Benz local area dealer.

10.2000 - 07.2004

Assistant

Technical University of Cluj-Napoca , Department „Engineering and Management of Production Systems”, Department „Automotive and Agriculture Machines”.

- **Main activities and responsibilities** : Computer Planning Production; Road Traffic Management (laboratory works).
- **Type or activity field**: Higher Education.

EDUCATION AND FORMATION

2001 - 2009

PhD in Mechanical Engineering

Technical University of Cluj-Napoca, Romania, Department „Automotive and Agriculture Machines”.

- Thesis title: „Researches regarding the use of rape oil fuels in comparison with Diesel at the compression ignition engine for the diminution of pollution”

2004

Master „Road Transport Logistics”

Technical University of Cluj-Napoca, România, Faculty of Mechanical Engineering, Department „Automotive and Agriculture Machines”

2000 - 2003

Postuniversity academic studies "Road Traffic Engineering"

Technical University of Cluj-Napoca, România, Faculty of Mechanical Engineering, Department „Automotive and Agriculture Machines”

1995 - 2000

Mechanical Engineer, Engineer Diploma

Universitatea Tehnică din Cluj-Napoca, Facultatea Construcții de Mașini
 Profilul *Inginerie Economică*, Specializarea *Ingineria și Managementul Sistemelor de Producție*

1991 - 1995

High School

Nicolae Bălcescu High School from din Cluj-Napoca.

PERSONAL SKILLS

Maternal language(s)

Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		SCRIERE
	Reading	Spoken interaction	Spoken production	Reading	Spoken interaction
English	B2	B2	B1	B2	B2
<i>Certificat de competență lingvistică, UTCN, Departamentul de Limbi Moderne și Comunicare</i>					
German	B1	B2	B1	B1	B2
French	B1	B2	B1	B1	B2

Communication skills

Good communication skills gained from interaction with students.

Job-related skills	Automotive Dynamics, Dynamics of Traffic Accidents ,Traffic Telematics, Biofuels; Research: engineering vehicles, biofuels
Computer skills	Computer Knowledge: Mathcad, Matlab Simulink, CarSim, PcCrash, IPG Carmaker, Microsoft ORIGIN, Corel Draw, Adobe Photoshop
Driving licence	- B

ADDITIONAL INFORMATION

Publications

Scientific activity:

Published works:

- PhD thesis: **1** PhD thesis in Mechanical Engineering;
- Reference Books: **3** didactic works (1 - single author, 2 - co-author) published by publishers accredited by CNCSIS (with ISBN);
- Chapters in books, national publishing, ISBN: 3 (co-author);
- Scientific papers : **42** published papers (**4** indexate ISI; **9** indexate ISI Proceedings; **24** indexed in international databases; **5** at various Congresses/Scientific Conferences and recognized specialized journals CNCSIS, in the country and abroad;

Projects

Research activity:

research-development-innovation projects on a contract/grant basis – member of the collective:

- Contract: „*Network național și internațional privind asigurarea calității biocombustibililor și a subproduselor acestora și promovarea unui proiect*”, PC7, BIO-Q-NET, 2006, membru.
- Contract: POSDRU/89/1.5/S/52603 – “*4D-POSTDOC - Development and support of multidisciplinary postdoctoral programmes in priority technical areas of the national research-development-innovation strategy*”, Priority axis: “*Education and training in support of economic growth and development of the knowledge-based society*”, 2010-2013, member
- Contract with VAT No. 99 / 07.12.2017 *Elaboration of opportunity study (traffic study and justification of the acquisition through the environmental impact of new transport vehicles) for the purchase of 19 electric buses* – Contract Director Prof.dr.ing. Bogdan VARGA, Contract Value: 92,900.00 RON
- Contract with VAT No. 97 / 07.12.2017 *Elaboration of opportunity study (traffic study and justification of the acquisition through the environmental impact of new transport vehicles) for the purchase of 30 trolleybuses* – Contract Director Prof.dr.ing. Bogdan VARGA, Contract Value 82,700.00 RON
- Contract with VAT No. 98 / 07.12.2017 *Elaboration of opportunity study (traffic study and justification of the acquisition through the environmental impact of new transport vehicles) for the purchase of 16 trams* – Contract Director Prof.dr.ing. Bogdan VARGA , Contract Value: £64,650.00
- Contract with VAT no.14120 / 14.06.2018, *Support to Jaspers – Low-Carbon Rolling Stock for Urban Public Transport in Romania TA2018065 RO JEU*, Contract Director Prof.dr.ing. Bogdan VARGA, Section *trolleybuses* Contract Contract value: 34.999.00 EURO
- Contract No. 594517 / 18.11.2019, *Consulting services in the elaboration of specifications, selection criteria and evaluation factors, in technical and financial evaluation of tenders submitted under the public procurement procedure for the purchase of autonomous electric buses for the municipality of Cluj-Napoca and participation in the reception process,2020*, - Chief contract director lecturer. Iclodean Calin 160,650.00 Ron
- POCU /626/6/13/ - Operational Programme Human Capital 2014-2020 POCU /626/6/13/ Increase in the number of tertiary university and non-university graduates who find a job due to access to learning/research/innovation activities at a potential job, Contract value 964000 Euro