



## Europass Curriculum Vitae



### Personal information

First name / Surname **Marius Minea**  
Address(es) 313, Splaiul Independentei, sector 6, postal code 060042  
Bucharest, Romania  
Telephone(s) [REDACTED] Mobile: [REDACTED]  
Fax(es) [REDACTED]  
E-mails [marius.minea@upb.ro](mailto:marius.minea@upb.ro), [REDACTED]  
Nationality Romanian  
Date of birth August, 27<sup>th</sup>, 1960  
Gender male

### Desired employment / Occupational field

#### Work experience

Dates	March 2002, present
Occupation or position held	Associate professor
Main activities and responsibilities	Course, seminar, laboratory and project class activities at the following disciplines: Railway Traffic Management Systems, Methods for Road Traffic Modelling and Simulation, Vessel Traffic Management Systems, Telematics for Navigation, Intelligent Transport Systems. Research projects (international and national (CEEX, AMTRANS, MENER, INFOSOC etc.); positions: project manager, researcher).
Name and address of employer	University Politehnica of Bucharest, 313, Splaiul Independentei, sector 6, postal code 060042, Bucharest, Romania, e-mail <a href="mailto:relatii publice@upb.ro">relatii publice@upb.ro</a> , URL: <a href="http://www.pub.ro">www.pub.ro</a>
Type of business or sector	High Education, Research, Project Management, Consultancy, Engineering
Dates	March 1997, March 2002
Occupation or position held	Senior Lecturer
Main activities and responsibilities	Course, laboratory and project class activities at the following disciplines: Systems for Rail Traffic Management, Systems for Vessel Traffic Management, Technology and Reliability of Equipment. Research projects (international and national, positions: project manager, researcher)
Name and address of employer	University Politehnica of Bucharest, 313, Splaiul Independentei, sector 6, postal code 060042, Bucharest, Romania, e-mail <a href="mailto:relatii publice@upb.ro">relatii publice@upb.ro</a> , URL: <a href="http://www.pub.ro">www.pub.ro</a>
Type of business or sector	High Education, Engineering, Research
Dates	March 1991, March 1997
Occupation or position held	Professor's Assistant

Main activities and responsibilities Laboratory and project activities at the following disciplines: Electronic Devices and Components, Railway Automation and Safety Systems, Train Yard Complexes, Traffic Regulation Systems. Research activities in national projects, position: researcher.

Name and address of employer University Politehnica of Bucharest, 313, Splaiul Independenței, sector 6, postal code 060042, Bucharest, Romania, e-mail [relatii publice@upb.ro](mailto:relatii publice@upb.ro), URL: [www.pub.ro](http://www.pub.ro)

Type of business or sector High Education, Engineering, Research

Dates October 1987, March 1991

Occupation or position held Researcher

Main activities and responsibilities Research contracts in automation for transports. Project manager and researcher.

Name and address of employer Institute for Research and Technological Design in Transports (Institutul de Cercetări și Proiectări Tehnologice în Transporturi – INCERTRANS), Griviței Avenue, 391-393, Sector 1, postal code 110719, Bucharest, Romania, e-mail: [incertrans@incertrans.ro](mailto:incertrans@incertrans.ro) . URL: [www.incertrans.ro](http://www.incertrans.ro) , tel. +40213.16.23.37, fax. +40213.16.13.70

Type of business or sector Industry, research and development for transport systems. Authorisation and auditing in transports.

Dates October 1985, October 1987

Occupation or position held Engineer, AT Videle District Manager

Main activities and responsibilities Exploitation, maintenance, implementation and development of railway automation and communication equipment, power supplying for railway automation equipment. Safety controls. Measurements of parameters etc. District manager for AT Videle Trial Station.

Name and address of employer Romanian National Railway Society (SNCFR – Regionala București), District SCB Titu and District AT Videle, Regional Laboratory, Piața Gării de Nord, 1, Sector 1, tel. +4021 223 0880, Bucharest, Romania. URL: [www.cfr.ro](http://www.cfr.ro)

Type of business or sector Industry, railway transportation.

**Other local / foreign employment**

Dates 2009

Occupation or position held Project researcher, expert, consultant

Main activities and responsibilities Traffic management and urban mobility solution for Galati city, Romania

Name and address of employer Galati Municipality, 38, Domneasca Str., Galati, tel. 0236 307775

Type of business or sector Consulting in transports development and engineering

Dates July 2006

Occupation or position held System Analyst / Consultant

Main activities and responsibilities Elaboration of Terms of Reference for River Information Services in Serbia

Name and address of employer SAFEGE Consulting Engineers, SAFEGE European Division, Gulledele 92, 1200 Brussels, BELGIUM  
 Tel. +32-2-739.46.90, Fax. +32-2-742.38.91, URL : [www.safege.be](http://www.safege.be)

Type of business or sector Consulting in transports development and engineering

Dates July 2003, August 2003

Occupation or position held Project manager, researcher

Main activities and responsibilities River Information Services – COPMRIS Project, WP4, WP9 – Compris Observer for Romania, elaboration of RIS terms and conditions for Romania

Name and address of employer Österreichische Wasserstraßen Gesellschaft mbH (via-donau) – former name; present name: Österreichische Wasserstraßen-Gesellschaft mbH, Donau-City-Straße 1, A-1220 Wien. Tel: +43 (0)50 4321 1000, Fax: +43 (0)50 4321 1050, e-mail: : [office@via-donau.org](mailto:office@via-donau.org)

Type of business or sector Research and development in inland shipping and navigation systems, information systems for navigation, electronic maps

## Education and training

Dates	1985
Title of qualification awarded	Engineer Diploma
Principal subjects/occupational skills covered	Industrial Engineering, Electronics for Transports, Automation
Name and type of organisation providing education and training	University Politehnica of Bucharest, 313, Splaiul Independenței, sector 6, postal code 060042, Bucharest, Romania, e-mail <a href="mailto:relatii publice@upb.ro">relatii publice@upb.ro</a> URL: <a href="http://www.pub.ro">www.pub.ro</a>
Level in national or international classification	National: Highest (license, masterate, doctorate)
Dates	May 1997
Title of qualification awarded	Philosophy Doctor (Ph.D. diploma)
Principal subjects/occupational skills covered	Telematics and Electronics for Transports
Name and type of organisation providing education and training	University Politehnica of Bucharest, 313, Splaiul Independenței, sector 6, postal code 060042, Bucharest, Romania, e-mail <a href="mailto:relatii publice@upb.ro">relatii publice@upb.ro</a> URL: <a href="http://www.pub.ro">www.pub.ro</a>
Level in national or international classification	National: Highest (license, masterate, doctorate)

## Personal skills and competences

Mother language(s) **Romanian**

Other language(s) **English, French**

Self-assessment <i>European level (*)</i>	Understanding		Speaking		Writing	
	Listening	Reading	Spoken interaction	Spoken production		
<b>English Language</b>	C1 experienced user	C1 experienced user	C1 experienced user	C1 experienced user	C1 experienced user	C1 experienced user
<b>French Language</b>	C1 experienced user	C1 experienced user	C1 experienced user	C1 experienced user	C1 experienced user	C1 experienced user

(\*) *Common European Framework of Reference for Languages*

**Social skills and competences** Work experience in teams, with several projects running simultaneously. Familiar with management and communication techniques, skills acquired within international projects (Austria and Serbia) and working as consultant for Bucharest Municipality, in traffic and public transports systems related domains.

**Organisational skills and competences** Present: work experience as project manager and manager of a department (Telematics and Electronics for Transports dept. in Politehnica University of Bucharest, Videle Automatic Train Trial District), and a research centre: UPB-CEPETET. Performed research activities for several projects in the Transports Research Institute INCERTRANS (former employment). Technical and business consultant for Bucharest Municipality (traffic and public transport related domains) within 2004 – 2009, consultant for the Bucharest Traffic Management System. Consultant for River Information Services in several companies and employments.

Technical skills and competences	Good understanding of using various automation systems, sensing equipment and communications gear, acquired as designer but also as team or project manager. Experience in safety and security related problems for transports, reliability and electromagnetic compatibility.
Computer skills and competences	Usual usage of Microsoft Office suite. Use of image processing software (Corel, Photoshop etc.)
Artistic skills and competences	Interested in professional photography, art, music.
Other skills and competences	Hobby: professional photography, image capture and post-processing.
Driving licence	B driving licence.

**Additional information** Director of the Department of Telematics and Electronics for Transports at the Faculty of Transports, National Science and Technology University Politehnica Bucharest, Member of the Senate of the Politehnica University of Bucharest, of the Transports Faculty's Professorial Council, consultant member of the Urban Mobility Group within the Department of Transport Systematization from Bucharest City Hall, member of the Organization for the Implementation of Intelligent Transport Systems ITS Romania, guest editor and reviewer for scientific and technical publications: MDPI Group (Magazines: Actuators, Applied Sciences, Energies, IoT, Sensors, Signals, Sustainability), IEEE Group (Access and Communications Letters), Scientific Bulletin Politehnica Bucharest, InTech Open Access Publications (Croatia), IARIA ICCGI Conferences, IBIMA. Evaluator and / or member in the scientific committees of ECAI (Electronics, Computers and Artificial Intelligence) Conferences, TSP (International Conference on Telecommunications and Signal Processing), Transport Research Arena (TRA).

**Annexes** Annex 1 Published work selective list  
Annex 2 Project activity selective list  
Annex 3 Selective list of international awards

Published books, handbooks and monographs

Selected books by recognized publishers:

- Minea, M. Tehnologii pentru vehicule autonome. Ed. Politehnica Press, Cod CNCISIS 19, ISBN SBN 978-606-9608-18-0, 170 pagini, București 2022
- Minea, M. Sisteme la bord, ghidare dinamică și navigație. Ed. Politehnica Press, ISBN 908-606-515-669-2, Bucharest 2016
- Dumitrescu, D. (coordonator), M. Minea, ș.a. Manual RIS. Editura Nautica, ISBN 978-606-8105-59-8, 224 pagini, cod CNCISIS nr. 121, Constanța, 2011;
- M. Minea, R.A.Gheorghiu, Surugiu Maria Claudia. Cercetări europene pentru îmbunătățirea siguranței și securității transportului public de suprafață. Linii directoare pentru Certificare, Acreditare și Controlul Calității în Instruirea Profesională – European Research for Improving Safety and Security in Public Surface Transport. Guidelines for Certification, Accreditation and Quality Control in Professional Training. Bilingual. ISBN 978-606-515-091-1, 206 pag., Ed. Politehnica Press, cod CNCISIS nr. 19, București 2010;

Selected articles in international cited magazines:

- Minea, M.; Dumitrescu, C.M. Urban Traffic Noise Analysis Using UAV-Based Array of Microphones. *Sensors* 2023, 23, 1912. <https://doi.org/10.3390/s23041912>, Q1 – Factor impact 3,847
- Minea, M.; Minea, V.L.; Semenescu, A. Smart Preventive Maintenance of Hybrid Networks and IoT Systems Using Software Sensing and Future State Prediction. *Sensors* 2023, 23, 6012. <https://doi.org/10.3390/s23136012>, Q1 – Factor impact 3,847
- Minea, M. An Experimental Assessment of People's Location Efficiency Using Low-Energy Communications-Based Movement Tracking. *Sensors* 2022, 22, 9025. <https://doi.org/10.3390/s22229025>, Q1 – Factor impact 3,847
- Minea, M.; Dumitrescu, C.M.; On the Feasibility and Efficiency of Self-Powered Green Intelligent Highways. *Energies* 2022, 15, 4693, ISSN 1996-1073, DOI 10.3390/en15134693, WOS000824267800001, Q1 – Factor impact 3,252
- Minea, M.; Dumitrescu, C.M.; Dima, M. Robotic Railway Multi-Sensing and Profiling Unit Based on Artificial Intelligence and Data Fusion. *Sensors* 2021, 21, 6876. <https://doi.org/10.3390/s21206876>, Q1 – Factor impact 3,847
- Minea, M.; Dumitrescu, C.M.; Minea, V.L. Intelligent Network Applications Monitoring and Diagnosis Employing Software Sensing and Machine Learning Solutions. *Sensors* 2021, 21, 5036. <https://doi.org/10.3390/s21155036>, Q1 – Factor impact 3,847
- M. Minea, C. Dumitrescu, Iona Mădălina Costea, I.C. Chiva, A. Semenescu. Developing a Solution for Mobility and Distribution Analysis Based on Bluetooth and Artificial Intelligence. *Sensors* 2020, 20(24), 7327; <https://doi.org/10.3390/s20247327> (registering DOI) . Published: 20 December 2020, Q1 - impact factor 3,275
- C. Dumitrescu, M. Minea, Iona Madalina Costea, I.C.Chiva, A. Semenescu. Development of an Acoustic System for UAV Detection. *Sensors (Basel, Switzerland)*, vol. 20, Issue 17, 28 aug. 2020, EI 1424-8220, impact factor 3,275
- M. Minea, I.C. Chiva, Viviana Laetitia Minea, A. Semenescu. Experimental Tests for Non-Intrusive Travel Demand Data Collection Employing Wi-Fi Sensing - Part 1 - U.P.B. Scientific Bulletin Series C - Electrical Engineering and Computer Science, Vol. 82, Issue 3, 2020, pag. 125-136, ISSN 2286
- C.M. Dumitrescu, M. Minea, P. Ciotămae. UAV Detection Employing Sensor Data Fusion and Artificial Intelligence. *Advances in Intelligent Systems and Computing. AISC*, Vol. 1050. ISBN 978-3-030-30439-3, DOI [https://doi.org/10.1007/978-3-030-30440-9\\_13](https://doi.org/10.1007/978-3-030-30440-9_13) (Dumitrescu, Catalin & Minea, Marius & Ciotirnae, Petrica. (2020). UAV Detection Employing Sensor Data Fusion and Artificial Intelligence. 10.1007/978-3-030-30440-9\_13. Proceedings of 40<sup>th</sup> Anniversary International Conference on Information Systems Architecture and Technology – ISAT 2019, pp.129-139)
- M. Minea, C.M. Dumitrescu, Iona Mădălina Costea. Non-Intrusive Driver Condition Monitoring in Highly Automated Vehicles with Medical Information Support for Emergency Calling. 2019 42<sup>nd</sup>

International Conference on Telecommunications and Signal Processing (TSP), 1-3 July 2019, Budapest, Hungary. INSPEC 18850784, DOI 10.1109/TSP.2019.8769094

- M. Minea, C.M. Dumitrescu. Enhanced public transport management employing AI and anonymous data collection. 23<sup>rd</sup> International Conference on Circuits, Systems, Communications and Computers (CSCC 2019). <https://doi.org/10.1051/mateconf/201929203006> MATEC Web Conferences, Volume 292, 2019

**Patents and patent proposals:**

- Invention patent RO134415-B1 / RO134415-A0. Inventors: M. Minea, C.M. Dumitrescu, I.C. Chiva, V.L. Minea, A. Semenescu. System for anonymous collection of position and mobility information in public passenger transport, based on Bluetooth and artificial intelligence. Invention Patent filed with OSIM A/00493/2020, DIIDW:2020857359
- Invention Patent: Inventor(s): L.D. Buretea, A.C. Corcos, F.C. Nemțanu, M. Minea et al. System and a method for graphically and acoustically assisting vehicle driver by providing information concerning indications of traffic-control lights. Patent Number: RO128955-A0; Patent Assignee: Universitatea Politehnica din București, Derwent Primary Accession Number: 2013-U41390 [79] International Patent Classification: G08G-001/095; G08G-001/0962  
[http://apps.whoftknowledge.com/full\\_record.do?colName=DIIDW&recordID=2013U41390&page=1&qid=38&log\\_event=yes&viewType=fullRecord&SID=PIAmfAUkussv8DnpJIH&product=UA&doc=4&search\\_mode=OneClickSearch](http://apps.whoftknowledge.com/full_record.do?colName=DIIDW&recordID=2013U41390&page=1&qid=38&log_event=yes&viewType=fullRecord&SID=PIAmfAUkussv8DnpJIH&product=UA&doc=4&search_mode=OneClickSearch). Publicat în RO-BOP1 12/2018, 128955 B1
- Patent proposal (2020): C. Dumitrescu, M. Minea, Iona Mădălina Costea, I.C. Chiva, Viviana Laetitia Minea, A. Semenescu. Sistem și metodă de detecție a vehiculelor aeriene fără pilot (drona) active prin analiza cu algoritmi de tip Deep Learning a sunetului și imaginii captate. Depunere Brevet Invenție OSIM A/00331/2020

**Selection of articles in prestigious journals and international conferences**

- M. Minea, C. M. Dumitrescu, V. L. Minea and A. Semenescu, "Designing Intelligent Agents for the Management of Complex Data Communication Networks in Smart Cities," 2021 13<sup>th</sup> International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 2021, pp. 1-6, doi: 10.1109/ECAI52376.2021.9515055. Indexare IEEE Xplore, INSPEC Accession Number: 21104030
- C.M. Dumitrescu, M. Minea, P. Ciotârnae. UAV Detection Employing Sensor Data Fusion and Artificial Intelligence, *Advances in Intelligent Systems and Computing*, AISC, Vol. 1050. ISBN 978-3-030-30439-3, DOI [https://doi.org/10.1007/978-3-030-30440-9\\_13](https://doi.org/10.1007/978-3-030-30440-9_13) (Dumitrescu, Catalin & Minea, Marius & Ciotârnae, Petrica. (2020). UAV Detection Employing Sensor Data Fusion and Artificial Intelligence, 10.1007/978-3-030-30440-9\_13. Proceedings of 40<sup>th</sup> Anniversary International Conference on Information Systems Architecture and Technology – ISAT 2019, pp.129-139)
- M. Minea, C.M. Dumitrescu, Iona Mădălina Costea. Non-Intrusive Driver Condition Monitoring in Highly Automated Vehicles with Medical Information Support for Emergency Calling. 2019 42<sup>nd</sup> International Conference on Telecommunications and Signal Processing (TSP), 1-3 July 2019, Budapest, Hungary. INSPEC 18850784, DOI 10.1109/TSP.2019.8769094
- M. Minea, C.M. Dumitrescu. Enhanced public transport management employing AI and anonymous data collection. 23<sup>rd</sup> International Conference on Circuits, Systems, Communications and Computers (CSCC 2019). <https://doi.org/10.1051/mateconf/201929203006> MATEC Web Conferences, Volume 292, 2019
- C.M. Dumitrescu, A. Semenescu, M. Minea, I.M. Costea, I.C. Chiva. Evaluate the Quality of Processed Images in Terms of Noise Reduction and Contour Preservation. *Annals of the Academy of Romanian Scientists Series on Engineering Sciences*, ONLINE 2066 – 8570, Volume 12, Number 2/2020, pp. 22-32. ISSN 2066-8570, 2020, <https://doi.org/10.56082/annalsarscieng.2020.2.22>

**Citations in ISI Thomson Reuters**

- Citations of published works: over 80 scientific articles in conferences and specialized journals
- Google Scholar profile: <https://scholar.google.com/citations?user=nJrx3kAAAAAJ&hl=ro>

## Project activity selective list

Proiect național Platforma inovativă pentru furnizarea și managementul serviciilor publice în orașele inteligente - SMART HUB. Parteneriat: INTELLIGENT CONVERGENT SOLUTIONS (ICOS) SRL – Universitatea Politehnică din București. Perioada de implementare: 27.04.2021 – 31.12.2023. Valoare totală proiect: 5.011.666,25 lei, din care finanțare nerambursabilă 5,011.666,25 lei. Cod apel: POC/163/1/3/Stimularea cererii întreprinderilor pentru inovare prin proiecte CDI derulate de întreprinderi individual sau în parteneriat cu institute de CD si universități, în scopul inovării de procese si de produse în sectoarele economice care prezinta potențial de creștere.	Cod proiect I20419, Axa Prioritară: Cercetare, dezvoltare tehnologică și inovare (CDI) în sprijinul competitivității economice și dezvoltării afacerilor.	Proiect finanțat de U.E., Cod MySMIS: I20419. Funcție ocupată în cadrul proiectului: Cercetător specialist - 215224 inginer de cercetare în electronică aplicată, partener UPB Project Researcher Perioada : 2021 –2023
<i>HiReach</i> - High reach innovative mobility solutions to cope with transport poverty , total cost Total cost: €2,024,875 – Coordinator: TRT TRASPORTI E TERRITORIO S.R.L. (researcher)	Call for proposals; H2020-MG-2017-SingleStage-INEA, Topic: MG-8-4-2017, Project reference: 769819, Funding scheme RIA.	octombrie 2017 – septembrie 2020 –
Intelligent and Efficient Travel Management for European Cities – <i>In-Time</i> ; Grant Agreement: 238880; Competitiveness and Innovation Framework Programme (ICT Policy Support Programme);	FP 7, CIP-PSP-2008-2, Project no. 238880, Objective 2.2	Project Manager for UPB-CEPETET, 2009 - 2012
International: Leonardo da Vinci - “ <i>Improving Safety And Security In Public Surface Transport</i> ” Project (acronym “ISSTE”)	Leonardo da Vinci LLP 2007	Project Manager for UPB-CEPETET, 2007 - 2009
International: Leonardo da Vinci – “ <i>Professional Training in RIS Field</i> ”, cooperation with Entwicklungsgesellschaft für Telematik und Schifffahrt <i>via-donau</i> (Austria)	Leonardo da Vinci, contract no. : RO/2004/PL93081/S	Project Manager for UPB
Sustainable urban mobility based intelligent vehicle innovative solutions for public transport - SMARTBUS	INFOSOC – CEEX 2006	Researcher, 2006 - 2008
Online traffic management system based on European sustainable development concept for safe and comfortable people mobility - MONITRAF	INFOSOC – CEEX 2006	Project Manager for UPB-CEPETET, 2006 - 2008
Advanced Services for Information and Route Guidance for Drivers and Travelers employing Digital Maps – <i>SAIGHID</i> ” – Partnership: ITS Romania – Universitatea Transilvania din Brașov – UPB-CEPETET – RQA S.R.L. – Universitatea din Pitești – Universitatea din Timișoara – INCDT;	CEEX 2006	Project Manager for UPB-CEPETET, 2006 - 2008
International Consultancy for SAFÉGE Belgium Consulting/Engineers – PLOVPUT Belgrade – Serbian Ministry of Transports - <i>Preparation Of Terms Of Reference For The Preparation Of The Design And Tender Documents For The Revitalisation Of Navigation Locks At Heps Djerdap I And Djerdap II</i>	Serbian Governmental Project	System Analyst, Serbia, 2006
International Consultancy: MT Advance S.R.L. – Romanian Transports Ministry – NEA Netherlands (Anderdel van Panteia) -- TEN-T implementation Report 2004-2005 Contract B20070408/30487000/23.04.2007	Inter-Ministry Cooperation	Project Manager for MT Advance, 2004 - 2005
International Consultancy Trapec S.A. – WSP (United Kingdom) – Bucharest Municipality – <i>Bucharest Multi-sector Project UTC-PTM-CCTP</i> ; BERD Funding. Consultancy for Procurement and Installation of a Traffic and Public Transport Management System.	Int’l, private	C.E.O., 2004 - 2008

## Selection of International Awards

- TISIAS-TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS-SPECIAL HONOUR OF INVENTION, is hereby presented to Minea Marius, Dumitrescu Cătălin, Chiva Ionuț-Cosmin, Minea Viviana - Laetitia, Semenescu Augustin for Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence--RO A00493/2019, The 12th European Exhibition of Creativity and Innovation, Euroinvent 2020 held ONLINE during 21-23 May 2020 at the Palace of Culture in Iasi, Romania, Moonsuk CHANG-Chairman & Chief Exhibition Officer, TISIAS-Toronto-Canada, Bob HUYBRECHTS, RDT Co-Chairman of the Jury Ican-Toronto, Canada
- Euroinvent 12 Edition-European Exhibition of Creativity and Innovation 2020, ONLINE IASI-ROMANIA-DIPLOMA OF GOLD MEDAL is awarded to: Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence, Minea Marius, Dumitrescu Catalin, Chiva Ionuț-Cosmin, Minea Viviana-Laetitia, Semenescu Augustin. President of International Jury Dr.Eng.Mohd Mustafa Al Bakri ABDULLAH, President of Exhibiton Prof. Ion SANDU, May 23, 2020.
- Pi-ENVEX Exhibition-Pi-Envex SPECIAL AWARD is presented to Minea Marius, Dumitrescu Catalin, Chiva Ionuț Cosmin, Minea Viviana-Laetitia, Semenescu Augustin for commending an excellent and creative effort to invent Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence, exhibited at the EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION (EUROINVENT) 2020, hold on MAY 22nd -23rd, 2020, Iasi Romania, PROFESSOR TS.DR.MOHD MUSTAFA AL BAKRI ABDULLAH, Chairman Pi-ENVEX 2020, Vice President World Invention Intellectual Property Associations.
- DIPLOMA OF EXCELENCE - Minea Marius, Dumitrescu Cătălin, Chiva Ionuț-Cosmin, Minea Viviana - Laetitia, Semenescu Augustin, for Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence - RO A00493/ 2019-08-17, ROMANIAN INVENTORS FORUM ([www.alir.org.ro](http://www.alir.org.ro)), EUROINVENT ([www.euroinvent.org](http://www.euroinvent.org)). President, Assoc.Prof.Eng.PhD. Andrei Victor SANDU, 24th International Exhibition of Inventions, Online Edition 29-31 July 2020, 31.07.2020
- Diploma of Excellence and Gold Medal awarded by the Technical University of Cluj-Napoca Romania to: - Minea Marius, Dumitrescu Cătălin, Chiva Ionuț-Cosmin, Minea Viviana - Laetitia, Semenescu Augustin From: University Politehnica of Bucharest, for Method and system for anonymously collecting position and mobility information in public passenger transport, based on Bluetooth and Artificial Intelligence - RO A00493/ 2019-08-17, the 24th INTERNATIONAL EXHIBITION OF INVENTIONS, INVENTICA 2020, Iasi 29-31 July, Rector Prof. Dr. Eng. Vasile TOPA