

INFORMAȚII PERSONALE



Dumitru Ilie

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Sexul Masculin | Data nașterii 23/12/1967 | Naționalitatea română

EXPERIENȚA PROFESIONALĂ

01/2018–Prezent

Consilier

Ministerul Educației Naționale, București (România) – Învățământ Superior

- Management academic

01/2008–01/2018

Prodecan la Facultatea de Mecanică

Universitatea din Craiova, Craiova (România)

- Management universitar

2012–Prezent

Membru al Senatului Universității

Universitatea din Craiova, Craiova (România)

- Management universitar

2004–Prezent

Membru al Consiliului Facultății de Mecanică

Universitatea din Craiova, Craiova (România)

- Management universitar

2017–Prezent

Prof. univ. dr. ing. habil. la Facultatea de Mecanica –
Departamentul Autovehicule, Transporturi și Inginerie Industrială

Universitatea din Craiova, Craiova (România)

Activitate didactică desfășurată la programe de studii din domeniile:

- ingineria autovehiculelor;
- ingineria transporturilor.

Cercetare științifică pe direcțiile:

- motoare pentru autovehicule;
- mobilitate în transporturi;
- accidentologie rutieră.

Conducere de doctorat (habilitat) în domeniul:

- inginerie mecanică.

2007–2017

Conf. univ. dr. ing. la Facultatea de Mecanică - Departamentul Autovehicule,
Transporturi și Inginerie Industrială

Universitatea din Craiova, Craiova (România)

Activitate didactică desfășurată la programe de studii din domeniile:

- ingineria autovehiculelor;

- ingineria transporturilor.

Cercetare științifică pe direcțiile:

- motoare pentru autovehicule;
- proiectarea fluxurilor de circulație rutiera, logistică urbană;
- reconstrucția accidentului de circulație rutieră.

2001–2007 **Șef lucrări universitar la Facultatea de Mecanica - Departamentul Autovehicule Rutiere, Mașini și Instalații Agricole**

Universitatea din Craiova, Craiova (România)

Activitate didactică desfășurată la programele de studii :

- autovehicule rutiere;
- mașini și instalații pentru agricultură și industria alimentară;

Cercetare științifică pe direcțiile:

- motoare cu ardere internă;
- terotehnica și fiabilitatea autovehiculelor rutiere;
- trafic rutier și siguranța circulației.

1998–2001 **Asistent universitar la Facultatea de Mecanica - Catedra Autovehicule Rutiere, Mașini și Instalații Agricole**

Universitatea din Craiova, Craiova (România)

Activitate didactică desfășurată la programele de studii :

- autovehicule rutiere;
- mașini și instalații pentru agricultură și industria alimentară.

Cercetare științifică pe direcțiile:

- terotehnica și fiabilitatea autovehiculelor rutiere;
- dinamica tractoarelor, automobilelor și sistemelor de propulsie;
- tractoare, automobile și sisteme de propulsie.

2016–Prezent **Responsabil program de studii de licență**

Universitatea din Craiova

Coordonare activități la programul de studii de licență Autovehicule Rutiere

2008–2016 **Responsabil program de studii de licență**

Universitatea din Craiova

Coordonare activități la programul de studii de licență Ingineria Transporturilor și a Traficului

2013–2016 **Responsabil program de studii de masterat**

Universitatea din Craiova

Coordonare activități la programul de studii de masterat Automotive engineering

2009–2013 **Responsabil program de studii de masterat**

Universitatea din Craiova

Coordonare activități la programul de studii de masterat: Optimizarea Sistemelor de Transport Rutier

- 1995–1998 **Inginer**
 D.G.A.I.A. – SECTOR MECANIC, Craiova (România)
- Coordonare reparații în sectorul autovehiculelor rutiere;
 - Activitate mentenanță auto, consultanta tehnică.
- 1993–1995 **Profesor de specialitate**
 Grup Scolar "Constantin Brâncuși", Craiova
- Susținere activități didactice la disciplinele: motoare, echipament electric auto și reparații auto;
 - Definitivat în învățământ (Universitatea Politehnica București)

EDUCAȚIE ȘI FORMARE

- 2016 **Atestat de abilitare în domeniul de studii universitare de doctorat in Inginerie Mecanică**
 Universitatea din Craiova, Craiova (România)
- 1998–2004 **Doctor in Științe Ingineresti – Inginerie Mecanica**
 Universitatea „Transilvania” din Brasov, Facultatea de Inginerie Mecanica, Brasov (România)
- 1993–1998 **Inginer - Autovehicule Rutiere**
 Universitatea din Craiova, Craiova (România)
- 1987–1992 **Inginer mecanic - Specializarea Mecanică Agricolă**
 Universitatea Politehnica din Timisoara (fostul Institut Politehnic "Traian Vuia"), Timisoara (România)
- 1986–1986
 Scoala de ofiteri in rezerva - arma tancuri, Lipova
- 1982–1986
 Colegiul national "Gib Mihaescu", Dragasani
 Specializarea matematică - fizică

COMPETENȚE PERSONALE

Limba(i) maternă(e) română

Alte limbi străine cunoscute

	ÎNȚELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
engleză	B2	B2	B2	B2	B1
franceză	B2	C1	B2	B2	C1

Niveluri: A1 și A2: Utilizator elementar - B1 și B2: Utilizator independent - C1 și C2: Utilizator experimentat
 Cadrul european comun de referință pentru limbi străine

- Competențe de comunicare**
- Spirit de echipă;
 - Capacitate de adaptare la medii multiculturale;
 - Capacitate de comunicare.

- Competențe organizaționale/manageriale**
- Leadership;
 - Experiență a managementului de proiect și al echipei
 - Spirit organizatoric (experiență în logistică)

- Competențe dobândite la locul de muncă**
- Managementul proiectelor;
 - Formare antreprenorială, marketing;
 - Transfer tehnologic și inovare;
 - Expert tehnic judiciar, specialitatea Autovehicule, Circulație Rutieră în cadrul Ministerului Justiției;
 - Profesor de legislație rutieră
 - Formare formatori pe teme de siguranță rutieră;
 - Pedagogie și metodică;
 - Consultanță antreprenorială.

Competențele digitale

AUTOEVALUARE				
Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
Utilizator independent	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat

Competențele digitale - Grilă de auto-evaluare

- Utilizarea tehnicii de calcul cu structură distributivă;
- Certificate of completion of Solid Works 2006, Training course - Solid Works Authorized Training, Testing & Support Center
- Certificate of completion of COSMOSWorks Desinger 2006, Training course - Solid Works Authorized Training, Testing & Support Center
- Analist programator: - curs postuniversitar organizat de Ministerul Învățământului prin Comisia Națională de Informatică

Alte competențe

Domenii de competență:

- motoare pentru autovehicule;
- proiectarea și modelarea fluxurilor de circulație;
- logistică urbană;
- analiza și reconstrucția accidentelor de circulație.

Permis de conducere B, C

INFORMAȚII SUPLIMENTARE

Publicații

- 19 MONOGRAFII, CARTI, MANUALE ȘI ÎNDRUMARE DE APLICAȚII

- **84** ARTICOLE ȘTIINȚIFICE COTATE ISI SAU BDI
- Articole la Congrese și Conferințe Internaționale publicate în proceedings (AMMA 2018, CAR 2017, ICOME 2017, CONAT 2016, XII Conference on Transport Engineering-Valencia 2015, ESFA 2015, ICOME 2015, SMAT2014, AMMA 2013, MVT 2012, CAR2011, CONAT 2010, ICOME 2010, DAMM 2009 Viena, ESFA 2009 Belgrad, OPTIROB 2009, SMAT 2008, AMMA 2007, CONAT 2006, EAEC Beograd 2005 etc.)
- Articole în Reviste de specialitate internaționale și naționale;
- Articole la Simpozioane științifice naționale;
- **62** ARTICOLE ȘTIINȚIFICE PUBLICATE ÎN VOLUMELE UNOR MANIFESTARI ȘTIINȚIFICE(Conferințe, Simpozioane etc), RESPECTIV IN REVISTE DE SPECIALITATE

Colaborări instituționale, formare profesională și schimb de experiență

- Universitat Politehnica de Valencia; Universida de Tecnica de Lisboa; Universita degli Studi di Firenze; ISAT - Nevers, Universite de Bourgogne, Dijon; Fondazione per Ricerca et Tehnologica Firenze; Instituto Superior Tecnico (Universida de Tecnica de Lisboa); Université Paris1 Panthéon-Sorbonne / Paris, Centre international d'études pédagogiques (CIEP) / Sevres, Université Paris1 Panthéon-Sorbonne / Paris etc.

Dezvoltarea de relații instituționale cu agenți economici privind desfășurarea practicii studenților și activități aplicative

- IPA Craiova, RAT Craiova, CADWORKS Craiova, CFR Regionala Craiova, POPECI MOTORS Service, AUTOCLASS Service, Registrul Auto Român etc.

Afilieri la organizații profesionale

- Societatea Inginerilor de Automobile din România;
- Society of Automotive Engineers International;
- EuroAgEng (The European Society of Agriculture Engineers)
- Societatea Inginerilor Mecanici Agricoli din România;
- Asociația Generală a Inginerilor din România;
- Asociația de Cercetare Multidisciplinară Vest România.
- Asociația Română de Tribologie



Prof. univ. dr. ing. habil. Ilie DUMITRU

LISTA LUCRARI

Teza de abilitare

„Modelari functionale ale mișcării autovehiculelor în vederea reducerii consumului de combustibil și a poluării chimice ale motoarelor cu ardere internă”

A. Teza de doctorat

„Cercetări teoretice și experimentale privind optimizarea consumului de combustibil al motoarelor de tractor prin utilizarea sistemelor informaționale de bord”,

Conducător științific Prof. univ. dr. ing. Simion Popescu, Facultatea de Mecanică, Universitatea „Transilvania” din Brasov

ARTICOLE INDEXATE I.S.I. SAU B.D.I.

- 1 Ionuț Daniel Geonea, Nicolae Dumitru, Cristian Copiluși, **Ilie DUMITRU**, Oana Victoria Oțăt, Dragoș Tutunea - Theoretical and experimental analysis for the load capacity of the cone tightening assemblee, 4th International Congress of Automotive and Transport Engineering, AMMA 2018, Proceedings in Automotive Engineering, ISBN 978-3-319-94408-1, Springer International Publishing House, pp. 437-445, 2018; <https://www.springerprofessional.de/theoretical-and-experimental-analysis-for-the-load-capacity-of-t/16162844> ;
- 2 Dragoș Tutunea, **Ilie DUMITRU**, Laurențiu Racilă, Oana Victoria Oțăt, Lucian Matei, Ionuț Daniel Geonea - Characterization of sunflower oil biodiesel as alternative for diesel fuel, 4th International Congress of Automotive and Transport Engineering, AMMA 2018, Proceedings in Automotive Engineering, ISBN 978-3-319-94408-1, Springer International Publishing House, pp. 172-180, 2018; <https://www.springerprofessional.de/characterization-of-sunflower-oil-biodiesel-as-alternative-for-d/16162774> ;
- 3 Cristiana Sirbu, **Ilie DUMITRU**, Laurențiu Racilă, Oana Victoria Oțăt, Theodor Oprica, Studies on Optimization Connection and Intermodal Capacities in TNT Transport Corridors, AMMA 2018: 4th International Congress of Automotive and Transport Engineering “Automobiles, Mobility, and Alternative Solutions”: selection of papers, pp. 237 – 244, Editura U.T.Press, ISBN 978-606-737-314-1, Cluj-Napoca, 2018;
- 4 Lucian Matei, **Ilie DUMITRU**, Alexandru Oprica, Laurentiu Racila, Bogdan Florescu, Alexandru, Dima, Mihaela Racila - Studies on determining the dynamics of public transport based on interdependent passengers – reconfiguration, MMA 2018: the 4th International Congress of Automotive and Transport Engineering “Automobiles, Mobility, and Alternative Solutions”: selection of papers, pp. 229 – 236, Editura U.T.Press, ISBN 978-606-737-314-1, Cluj-Napoca, 2018 ;
- 5 Oțăt Oana, Dumitru Nicolae, **DUMITRU Ilie** - Dynamic models to analyse the influence of the seat belt in a frontal collision, CAR 2017 International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, 8–10 November 2017, Pitesti, Romania, Published as volume 252, 2017 of IOP Conference Series: Materials Science and Engineering 2017, IOP Conf. Ser.: Mater. Sci. Eng. 252 012017, UNSP 012017, DOI: 10.1088/1757-899X/252/1/012017, ISSN: 1757-8981, https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=5&SID=E4V8HibjQGEVoSBAYjN&page=1&doc=2
- 6 Geonea, Ionuț, Dumitru, Nicolae **DUMITRU Ilie** - Experimental and theoretical study of friction torque from radial ball bearings, CAR 2017 International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, 8–10 November 2017, Pitesti, Romania, Published as volume 252, 2017 of IOP Conference Series: Materials Science and Engineering 2017, IOP Conf. Ser.: Mater. Sci. Eng. 252 012048, UNSP 012048, DOI: 10.1088/1757-899X/252/1/012048, ISSN: 1757-8981, https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E4V8HibjQGEVoSBAYjN&page=1&doc=1#addressWOS:000419817200048-1

- 7 Dragos Tutunea, **DUMITRU Ilie** - Analysis of performance and emissions of diesel engine using sunflower biodiesel, CAR 2017 International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, 8–10 November 2017, Pitesti, Romania, Published as volume 252, 2017 of IOP Conference Series: Materials Science and Engineering 2017, IOP Conf. Ser.: Mater. Sci. Eng. 252 012085, UNSP 012085, DOI: 10.1088/1757-899X/252/1/012085, ISSN: 1757-8981, https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E4V8HibjQGEVoSBAYjN&page=1&doc=2
- 8 Dima Alexandru, **DUMITRU Ilie**, Tutunea Dragos - Evaluation of performance and emissions characteristics of methanol blend (gasohol) in a naturally aspirated spark ignition engine, CAR 2017 International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, 8–10 November 2017, Pitesti, Romania, Published as volume 252, 2017 of IOP Conference Series: Materials Science and Engineering 2017, IOP Conf. Ser.: Mater. Sci. Eng. 252 012086, UNSP 012086, DOI: 10.1088/1757-899X/252/1/012086, ISSN: 1757-8981, https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=5&SID=E4V8HibjQGEVoSBAYjN&page=1&doc=1
- 9 Matei Lucian, Racilă Mihaela, Oprica Alexandru, Dumitru Neagoe, **DUMITRU Ilie**, Racilă Laurențiu - Mathematical method for studying passenger flows in Craiova Municipality public transport system, CAR2017 International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, CAR 2017_021, 8–10 November 2017, Pitesti, Romania; <https://doi.org/10.26825/bup.ar.2017.001>;
- 10 DIMA Alexandru, OPRICA Alexandru, NICU Ana-Maria, STAICU Diana-Camelia, **DUMITRU Ilie**, Simulation of air in the intake manifold flap of an internal combustion engine, 4th International Conference of Mechanical Engineering-ICOME 2017, 11-12 October 2017, published by TTP inc in Applied Mechanics and Materials, <https://doi.org/10.4028/www.scientific.net/AMM.880.189>
- 11 TUTUNEA Dragos, OPRICA Alexandru, NICU Ana-Maria, STAICU Diana-Camelia, **DUMITRU Ilie**, CFD and structural analysis of the intake manifold flap of an internal combustion engine, 4th International Conference of Mechanical Engineering-ICOME 2017, 11-12 October 2017, published by TTP inc in Applied Mechanics and Materials, <https://doi.org/10.4028/www.scientific.net/AMM.880.195>
- 12 TUTUNEA Dragos, GHERGHINA George, **DUMITRU Ilie**, DIMA Alexandru, Evaluation of thermistors used for temperature measurement in automotive industry, 4th International Conference of Mechanical Engineering-ICOME 2017, 11-12 October 2017, published by TTP inc in Applied Mechanics and Materials, <https://doi.org/10.4028/www.scientific.net/AMM.880.157>
- 13 PASCU Cristina Ileana, **DUMITRU Ilie**, GHEORGHE Stefan, NISIPASU Mihai, Implementation of Total Productive Maintenance Principles for Quality Improvement in an Automotive Company, 4th International Conference of Mechanical Engineering-ICOME 2017, 11-12 October 2017, published by TTP inc in Applied Mechanics and Materials, <https://doi.org/10.4028/www.scientific.net/AMM.880.171>
- 14 OȚĂT Oana, **DUMITRU Ilie**, OȚĂT Victor, MATEI Lucian, Modeling the vehicle – bicycle collision. The analysis of the projection distance and acceleration at the cyclist's head, 4th International Conference of Mechanical Engineering-ICOME 2017, 11-12 October 2017, published by TTP inc in Applied Mechanics and Materials, <https://doi.org/10.4028/www.scientific.net/AMM.880.177>
- 15 MATEI Lucian, **DUMITRU Ilie**, RACILA Laurentiu OPRICA Theodor, Smart Signalization and Public Transport Priority, a First Step to Smart Mobility in a Smart City, 4th International Conference of Mechanical Engineering-ICOME 2017, 11-12 October 2017, published by TTP inc in Applied Mechanics and Materials, <https://doi.org/10.4028/www.scientific.net/AMM.880.383>
- 16 Matei, L., **Dumitru, I.**, Racila, L., Mathematical Algorithm for Calculating the Total Traffic Lights Cycle in Junctions, CONAT 2016 International Congress of Automotive and Transport Engineering, pp. 702-709, Springer International Publishing Switzerland 2017, ISBN 978-3-319-45446-7, ISBN 978-3-319-45447-4 (eBook), DOI 10.1007/978-3-319-45447-4; <http://www.springer.com/gp/book/9783319454467>

- 17 Otat, Oana Victoria, Dumitru, N., Otat, V., **Dumitru, I.**, Determination of Kinematic and Dynamic Behavior in the Driver's Skull upon the Impact with the Steering Wheel, CONAT 2016 International Congress of Automotive and Transport Engineering, pp. 812-819, Springer International Publishing Switzerland 2017, ISBN 978-3-319-45446-7, ISBN 978-3-319-45447-4 (eBook), DOI 10.1007/978-3-319-45447-4; <http://www.springer.com/gp/book/9783319454467>;
- 18 **Dumitru, I.**, Racila, L., Tutunea, D., Matei, L., Dima, Al., Oprica, Al., Experimental Investigation of a Vehicle Behavior Using Different Complex Data Acquisition Systems, CONAT 2016 International Congress of Automotive and Transport Engineering, pp. 136-143, Springer International Publishing Switzerland 2017, ISBN 978-3-319-45446-7, ISBN 978-3-319-45447-4 (eBook), DOI 10.1007/978-3-319-45447-4; <http://www.springer.com/gp/book/9783319454467>
- 19 **Dumitru, I.**, Dumitru, N., Matei, L. Racila L., Saturation flow mathematical model based on multiple combinations of lane groups, Transportation Research Procedia Volume 18, 2016, Pages 399–404, Efficient, Safe and Intelligent Transport. Selected papers from the XII Conference on Transport Engineering, Valencia (Spain) 7-9 June, DOI: <http://dx.doi.org/10.4995/CIT2016.2016.4254>, Elsevier, ISSN: 2352-1465, <http://www.sciencedirect.com/science/article/pii/S2352146516308079>
- 20 **Dumitru, I.**, Dumitru, N., Matei, L. Racila L., Public transport traffic management systems simulation in Craiova city, *Transportation Research Procedia*, Volume 18, 2016, Pages 405–410, Efficient, Safe and Intelligent Transport. Selected papers from the XII Conference on Transport Engineering, Valencia (Spain) 7-9 June, DOI: <http://dx.doi.org/10.4995/CIT2016.2016.4255>, Elsevier, ISSN: 2352-1465, <http://www.sciencedirect.com/science/article/pii/S2352146516308080>
- 21 L. Vlăduțoiu, V. Vlăduț, S. Biris, **I. Dumitru**, I. Kiss, Determination of soil resistance related to wear of a chisel share, 44th International Symposium "Actual Tasks on Agricultural Engineering", 23rd – 26th February 2016, Grand hotel "Adriatic" Opatija, Croatia, <http://atae.agr.hr/Symposium-Programme-ATAE-2016.pdf>; <https://www.researchgate.net/publication/304990521>
- 22 **Dumitru I.**, Matei L., Vinatoru M., Racila L., Oprica Th., Aspects Regarding Priority Settings in Unsignalized Intersections and the Influence on the Level of Service, Proceedings of the European Automotive, Congress EAEC-ESFA 2015, ISBN 978-3-319-27275-7 ISBN 978-3-319-27276-4 (eBook), DOI 10.1007/978-3-319-27276-4, Springer International Publishing Switzerland 2016, <http://link.springer.com/chapter/10.1007%2F978-3-319-27276-463>
- 23 **Dumitru, I.**, Matei, L., Vinatoru, M., Racila, L., Level of Service Calculation for Four – Leg With Different Types of Priorities, Current Solutions in Mechanical Engineering – Selected, peer reviewed papers from International Conference of Mechanical Engineering – ICOME 2015, pp. 193-198, Volume 823 of Applied Mechanics and Materials, ISSN print 1660-9336, ISSN cd 1660-9336, ISSN web 1662-7482, <https://doi.org/10.4028/www.scientific.net/AMM.823.193>;
- 24 Tutunea D., Bica, M., **Dumitru, I.**, Dima, Al., Study of a Mono Cylindrical Diesel Engine Fueled with biodiesel of palm oil, Current Solutions in Mechanical Engineering – Selected, peer reviewed papers from International Conference of Mechanical Engineering – ICOME 2015, pp 297-302, Volume 823 of Applied Mechanics and Materials, ISSN print 1660-9336, ISSN cd 1660-9336, ISSN web 1662-7482, <https://doi.org/10.4028/www.scientific.net/AMM.823.297>;
- 25 **Dumitru, I.**, Colici, F., Dima Al., Mardarescu, V., Studies regarding the evolution of pollutant emissions related to certain transitory condition of a internal combustion engine using mobile measuring systems, Current Solutions in Mechanical Engineering – Selected, peer reviewed papers from International Conference of Mechanical Engineering – ICOME 2015, pp 303-308, Volume 823 of Applied Mechanics and Materials, ISSN print 1660-9336, ISSN cd 1660-9336, ISSN web 1662-7482 <https://doi.org/10.4028/www.scientific.net/AMM.823.303>;
- 26 Pascu, Ileana, Gheorghe St., **Dumitru I.**, Nicolicescu C., Aspects about Sintering Behaviour of a Titanium Hydride Powder based Alloy used for Automotive Components, Current Solutions in Mechanical Engineering – Selected, peer reviewed papers from International Conference of Mechanical Engineering – ICOME 2015, pp 467- 472, Volume 823 of Applied Mechanics and Materials, ISSN print 1660-9336, ISSN cd 1660-9336, ISSN web 1662-7482, <https://doi.org/10.4028/www.scientific.net/AMM.823.467>;
- 27 Racila, I., **Dumitru, I.**, Geonea, I., Car Jack Based on Overconstrained Mechanism, Automotive and Transportation Engineering – Selected, peer reviewed papers from International Congress Science

- and Management of Automotive and Transportation Engineering – SMAT 2014, pp 12-17, Volume 822 of Applied Mechanics and Materials, ISSN print 1660-9336, ISSN cd 1660-9336, ISSN web 1662-7482, <https://doi.org/10.4028/www.scientific.net/AMM.822.12>,
- 28 Pascu, Ileana, Gheorghe St., **Dumitru I.**, Nisipasu M., Ciocoi-Troaca D., Aspects about Implementation of Lean Manufacturing Principles for Quality Improvement in a Production System for Automotive Industry, Current Solutions in Mechanical Engineering – Selected, peer reviewed papers from International Conference of Mechanical Engineering – ICOME 2015, pp. 283-288, Volume 823 of Applied Mechanics and Materials, ISSN print 1660-9336, ISSN cd 1660-9336, ISSN web 1662-7482, <https://doi.org/10.4028/www.scientific.net/AMM.823.283> ;
- 29 Geonea I., Romanescu, A., Racila, L., **Dumitru, I.**, Design of a Transmission for Wheelchairs Intended to Humans with Locomotors Disabilities, Automotive and Transportation Engineering – Selected, peer reviewed papers from International Congress Science and Management of Automotive and Transportation Engineering – SMAT 2014, pp 60-67p, Volume 822 of Applied Mechanics and Materials, ISSN print 1660-9336, ISSN cd 1660-9336, ISSN web 1662-7482, <https://doi.org/10.4028/www.scientific.net/AMM.822.60>
- 30 **Dumitru, I.**, Vinatoru, M., Tutunea D, Dima, Al., Considerations regarding validation through simulation of some board system information's for powertrain performance optimization, Automotive and Transportation Engineering – Selected, peer reviewed papers from International Congress Science and Management of Automotive and Transportation Engineering – SMAT 2014, pp 346-353, Volume 822 of Applied Mechanics and Materials, ISSN print 1660-9336, ISSN cd 1660-9336, ISSN web 1662-7482, <https://doi.org/10.4028/www.scientific.net/AMM.822.346>
- 31 **Dumitru, I.**, Racila, L., Matei., L., Oprica, Al., Valeanu, V., Aspects of Functional Optimization and Performance Evaluation Using an Experimental Programmable Engine Control Unit, Automotive and Transportation Engineering – Selected, peer reviewed papers from International Congress Science and Management of Automotive and Transportation Engineering – SMAT 2014, , pp 365-372, Volume 822 of Applied Mechanics and Materials, ISSN print 1660-9336, ISSN cd 1660-9336, ISSN web 1662-7482, <https://doi.org/10.4028/www.scientific.net/AMM.822.365>
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