



Curriculum vitae Europass

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Proiecte de cercetare interne

1. Perspective și oportunități de optimizare a costului calității în cadrul industriei constructoare de mașini, director proiect Brabete Valeriu Daniel, Competiție internă de granturi 2013-2014, Universitatea din Craiova, nr. 4C/ 27.01.2014, grant intern de cercetare interdisciplinară, în valoare totală de 24.000 lei. **Membri în echipa de cercetare.**

Propuneri de proiecte

1. Propunere proiect Competiția tinere echipe 2014 Evaluarea posibilităților de folosire a biocombustibililor la temperaturi scăzute bazate pe utilizarea unor sisteme de preîncălzire a biodieselului, PN-II-RU-TE-2014-4-0633, Punctaj = 73 puncte.
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1. „FII INDEPENDENT AUTORIZANDU-TE”, Contract nr. POSDRU/92/3.1/S/62083, Programul Operațional Sectorial pentru Dezvoltarea Resurselor Umane 2007 – 2013 Axa Prioritară 3 „Creșterea adaptabilității lucrătorilor și a întreprinderilor”, Domeniul major de intervenție 3.1: „Promovarea culturii antreprenoriale” Perioada de derulare a proiectului: 15 Noiembrie 2010 – 14 Noiembrie 2013

- Expert pe termen lung.** <http://id62083.acepro.ro/Stiri.php>, Valoare totala proiect 8705819, valoare eligibila 8287629. Din care asistenta financiara nerambursabila 8121876, contributie proprie 165753.
- Contract de cercetare postdoctorală nr.61968/UCV/20 din 24.04.2010, depus, evaluat și selectat în cadrul competiției de burse postdoctorale aferentă proiectului „Parteneriatul universitar în cercetare – un pas înainte spre o școală postdoctorală a viitorului”, ID 61968. Titlu proiect „Cercetări privind utilizarea combustibililor alternativi în motoarele diesel pentru reducerea poluării”. **Director proiect.** Valoare finanțare: 144000 RON http://cis01.central.ucv.ro/cercetarepostdoctorala-posdru/lista_rezultate_finale_cu_punctaj.pdf
 - „Acces la o pregătire de calitate în inginerie”, proiect POSDRU, ID 140639, Programul Operational Sectorial Dezvoltarea Resurselor Umane 2007 – 2013, DOMENIUL MAJOR DE INTERVENȚIE 1.2. „Calitate în învățământul superior”, **Expert pe termen lung**, 30.05.2014-16.11.2015 <http://www.aptema.ro/index.php/posdru-id-140639>
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 - Numar contract POCU/90/6.13/6.14/107075, Proiect: Facilitarea integrării studenților pe piața muncii prin consiliere și participare la programe de învățare la locul de muncă, **Lector**, 13.04.2019 – 12.06.2019. Sume încasate 1657 lei. <http://www.mrco.ro/noutati/anun-demarare-proiect-facilitarea-integrarii-studenilor-pe-piaa-muncii-prin-consiliere-i-participare-la-programe-de-invaare-la-locul-de-munca>

Proiecte cu mediul economic

- Numar contract 77C/14.11.2014, "Studies for traffic data surveys-plans of urban mobility for the poles of development from Romania-Municipality of Craiova", Partener PTV Transport Consult GmbH, Karlsruhe, Germania, 2014, director contract Racila Laurentiu, internațional, Suma: 5.000 €, **Membru în echipa.** Durata 4 luni.
- Numar contract 4C/25.01.2017, "Studiu preliminar asupra stadiului curent al nodurilor intermodale și capacității acestora de a dezvolta rețeaua TEN-T în partea română a zonei transfrontaliere România-Bulgaria", Beneficiar Fundația GIEED, Valoare contract 202300 lei, director contract Dumitru Ilie, internațional, **Membru în echipa.** Durata 1 an. Sume încasate 5070 lei.
- Numar contract C.308/ 16.12.2016, "Studiul privind fluxul de călători în municipiul Craiova" Beneficiar Municipiul Craiova – Valoare 67800 lei. Director contract Rosca Adrian Sorin – Universitatea din Craiova. **Membru în echipa.** Durata 4 luni. Sume încasate 1400 lei.
- Numar contract nr. 5C /22.06.2015, "Origin-destination surveys on the main arterials in the city – urban mobility plans for the Craiova growth pole, – Beneficiar PTV Transport Consult GmbH- Germany), internațional, director contract Dumitru Ilie Valoare UCV 8680 euro. **Membru in echipa.** Durata 4 luni. Sume încasate 288 lei.
- Numar contract 2415/19.04.2018, "Servicii de analiza si sistematizare a spatiilor de parcare si de trafic rutier" beneficiar Spitalul Județean de Urgență Slatina. Valoare UCV 24990 lei. **Director de proiect.** Durata 1 lună. Sume încasate 4180 lei.
- Numar contract 3C/02.04.2018, "Studiu de oportunitate in vederea delegării serviciului de transport public local de persoane cu autobuze si tramvaie, efectuat prin curse regulate in municipiul Craiova" beneficiar Primăria Municipiului Craiova, director contract Matei Lucian, Valoare UCV 9000 lei. **Membru în echipă.** Durata 1 lună. Sume încasate 900 lei.
- Număr contract 34/24.06.2019 "Elaborare Studiu de Trafic" încheiat între Directia Administrarea Strazilor Si Iluminatului Public Slatina și Universitatea din Craiova prin INCESA – Hub de Cercetare in Științe Aplicate. Valoare UCV 130.000 lei (109243 lei fara TVA). Director contract: Rotea Claudia Cristina. **Responsabil Științific.** Durata 5 luni.

Proiecte cu finanțare externă

- Amfiteatrul Studenției program Rose 2017-2019 încheiat între Ministerul Educației Naționale și Universitatea din Craiova. Valoare contract 530886,04 RON. Sursa de finanțare Ministerul Educației naționale prin Unitatea de Management al Proiectelor cu finanțare externă. Contract nr. 10/SGU/PV/I din 06.07.2017. **Director de grant.**
- Student azi, inginer mâine, program Rose 2020-2023 încheiat între Ministerul Educației Naționale și Universitatea din Craiova. Valoare contract 697841 RON. Sursa de finanțare Ministerul Educației naționale prin Unitatea de Management al Proiectelor cu finanțare externă. Contract nr. 254/SGU/NC/II din 25.11.2019. Director de grant Geonea Ionut. **Tutore studenți.**

Recenzor (Reviewer)

- Reviewer pentru 4 lucrări Automotive and Transportation Engineering, book by Scientific.net:
 - Adrian IORGA, Study on hybrid electric vehicles
 - Nikolaos Cristian Nutu, Constantin Pana, Alexandru Dobre, Niculae Negurescu, Alexandru Cernat, Theoretical and Experimental Study of the Fuelling a Truck Diesel Engine with Liquefied Petroleum Gas, Applied Mechanics and Materials (Volume 822), pp 198 – 205, 2016. <https://doi.org/10.4028/www.scientific.net/AMM.822.198>
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3. Reviewer pentru 5 lucrări The 30th SIAR International Congress of Automotive and Transport Engineering book by Springer:
- Nicolae M., Clenci A., Iorga-Simăn V., Niculescu R. (2020) A Study on the Influence of the Miller Cycle upon the Engine's Internal Aerodynamics. In: Dumitru I., Covaciu D., Racila L., Rosca A. (eds) The 30th SIAR International Congress of Automotive and Transport Engineering. SMAT 2019. Springer, Cham. https://link.springer.com/chapter/10.1007/978-3-030-32564-0_8
 - Igreț S.V., Negrilă R.I. (2020) Comparison Study Between a Tubular Type Camshaft and a Classic Type Using Finite Element Method. In: Dumitru I., Covaciu D., Racila L., Rosca A. (eds) The 30th SIAR International Congress of Automotive and Transport Engineering. SMAT 2019. Springer, Cham. https://link.springer.com/chapter/10.1007/978-3-030-32564-0_69
 - Bolcu A., Dumitru N., Bolcu D., Miritoiu C.M., Stanescu M.M. (2020) A Study of the Mechanical Behavior of a Car Part Realized from Epoxy Resin Reinforced with Cotton Woven. In: Dumitru I., Covaciu D., Racila L., Rosca A. (eds) The 30th SIAR International Congress of Automotive and Transport Engineering. SMAT 2019. Springer, Cham. https://link.springer.com/chapter/10.1007/978-3-030-32564-0_64
 - Negrilă R.I., Igreț S.V. (2020) Basic Subsystems Reliability Influence Study on the Main Characteristics of Automotive. In: Dumitru I., Covaciu D., Racila L., Rosca A. (eds) The 30th SIAR International Congress of Automotive and Transport Engineering. SMAT 2019. Springer, Cham. https://link.springer.com/chapter/10.1007/978-3-030-32564-0_70
 - Tarnita D., Oncescu A.T. (2020) Sensors Used for Human Gait Monitoring. In: Dumitru I., Covaciu D., Racila L., Rosca A. (eds) The 30th SIAR International Congress of Automotive and Transport Engineering. SMAT 2019. Springer, Cham. https://link.springer.com/chapter/10.1007/978-3-030-32564-0_60
4. Reviewer pentru 4 lucrări, 5th International Conference of Mechanical Engineering, book by Scientific.net :
- Analytical Calculation, Numerical Structural Analysis and Design Optimization of the Diaphragm Spring of a Mechanical Clutch
 - Experimental Determinations on Mechanical Properties for Polyester-Glass Fiber Composite Materials
 - Developments of Audi Space Frame Technology for Automotive Body Aluminum Construction
 - Development and Analysis of a Frame for Formula Student Competition

Organizator de manifestări științifice internaționale și/sau naționale

1. Science and Management of Automobiles and Tractors, SMAT 2008, Craiova
2. Conferința națională de termotehnica cu participare internațională NACOT, Craiova, 2011
3. International Conference of Mechanical Engineering, ICOME 2013, Craiova
4. 3rd International Congress Science And Management Of Automotive And Transportation Engineering, SMAT 2014
5. International Conference of Mechanical Engineering, ICOME 2015, Craiova
6. International Conference of Mechanical Engineering, ICOME 2017, Craiova
7. 4rd International Congress Science And Management Of Automotive And Transportation Engineering, SMAT 2019

Conducerea unor cercuri științifice studențești și coordonarea unor activități educative

1. În 23 mai 2015 la cercul studențesc de Motoare am coordonat lucrarea cu titlul Biodieselul, sursă alternativă de energie pentru reducerea emisiilor poluante la motoarele cu aprindere prin comprimare (Ursulescu Sorin).
2. Am realizat o coordonare a domnului inginer Daniel Marian Dinu student în anul I la CPAM pentru Concursul studențesc de Grafică Inginerească și Design Industrial unde a luat mențiune cu lucrarea cu titlul Proiectarea Unei Caroserii Auto în anul 2015. <http://www.sorging.ro/ro/articole/concursul-studen-esc-de-grafic-ingenereasc-i-design-industrial> <http://www.sorging.ro/ro/articole/premii>
3. Coordonare studenți, competiție Kart Low Cost 2018 Galați, Kart Low Cost 2019 Craiova.
4. În 24 mai 2019 la cercul studențesc am coordonat lucrările : Motoare cu raport de comprimare variabil (Firu Ionut Bogdan an IV AR) și Combustibili alternativi (Groza Bogdan Mihai an IV AR).

Premii

1. Premiul II la International U.A.B.- B.En.A Conference, "Management and sustainable protection of environment, Alba Iulia, 6-7 mai, 2009 pentru lucrarea The Importance of Medicago sativa Extract on the Oxidative Stability of Biodiesel autori, D. R. Grecu, M. G. Bită , D. Tutunea, A. Popescu, M. Bica.
2. Articole Aplicații PN2-Resurse umane- Premiarea rezultatelor cercetării:
Mihaela Gabriela Biță, Doinița Ramona Grecu , Dragos Tutunea, Alexandru Popescu , Marin Bica, Role of the Extract Obtained from Seeds of Vitis Vinifera on the Oxidative Stability of Biodiesel , Revista de Chimie, București Vol. 60, Nr. 10, 2009, p. 1090-1093, Nr.crt. listă 283, Cod CNCIS 295, Sesiunea de premiere etapa II, 2009. https://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/REST_REZULTATE_CUMULATE_ETAPA_II.pdf
3. Gala cercetării științifice ediția a III-a, Premiarea Rezultatelor Cercetării sesiunea 2018, premiant Științe Inginerești https://www.ucv.ro/pdf/media/stiri/2018/11/brosura_8.pdf

4. Gala cercetării științifice ediția a IV-a, Premiarea Rezultatelor Cercetării sesiunea 2019, premiant Științe Inginerești <https://www.ucv.ro/pdf/media/stiri/2019/11/BrosuraGalaCercetarii2019.pdf>

Promovare Facultatea de Mecanică

1. Participare din partea Facultății de Mecanică la Caravana Învățământului Oltean organizată de centrul de Consiliere și Orientare Profesională în anul universitar 2012-2013 pentru promovarea admiterii. Am fost la 2 licee din Caracal unde am prezentat oferta Facultății de Mecanică. <http://www.oltenasul.ro/ucv-ccop-caravana-invatamantului-oltean-2013/>.
2. Participare din partea Facultății de Mecanică la Caravana Învățământului Oltean organizată de centrul de Consiliere și Orientare Profesională în anul universitar 2013-2014 pentru promovarea admiterii. Am fost la 2 licee din Slatina unde am prezentat oferta Facultății de Mecanică.
3. Participare împreună cu Conf.dr.ing. Dumitru Ilie în anul universitar 2014-2015 la Colegiul Național Carol din Craiova unde am prezentat oferta Facultății de Mecanică.
4. Participare la evenimentul Noaptea Cercetătorilor în anul universitar 2014-2015.
5. Participare la târgul Autotech Plovdiv, International Exhibition of Transport and Auto Service Equipment Bulgaria, Plovdiv, 28 septembrie – 3 octombrie 2015, din partea Facultății de Mecanică în cadrul polului de Automotive.
6. În anul 2015 am fost desemnat pentru a participa în centrul de la Pitești în cadrul programul de înscriere la admitere și din alte orașe ale țării http://www.ucv.ro/admitere/centre_inscriere.php
7. Participare în cadrul evenimentului "Studentii noștri pot mai mult" 2016 din partea Facultății de Mecanică, <http://www.cvlpress.ro/27.05.2016/in-centrul-vechi-studentii-si-profesorii-si-au-prezentat-ideile-de-viitor/>
8. Promovare proiect Rose la Facultatea de Mecanică 2017 (<http://www.gds.ro/Local/Dolj/2017-08-29/scoala-de-vara-amfiteatrul-studentiei-la-facultatea-de-mecanica-a-universitatii-din-craiova/>, <http://www.cvlpress.ro/30.08.2017/la-facultatea-de-mecanica-amfiteatrul-studentiei/>, <http://curieruldevalcea.ro/elevii-de-la-energetic-la-amfiteatrul-studentiei/>)
9. Promovare proiect Rose la Facultatea de Mecanică 2018 (<https://www.teleucraiova.net/tag/amfiteatrul-studentiei/>, <http://www.oltenasul.ro/scoala-de-vara-amfiteatrul-studentiei-rose-2018-facultatea-de-mecanica/>)
10. Participare împreună cu Conf.dr.ing. Racila Laurentiu în anul universitar 2018-2019 în liceele din județul Vâlcea pentru prezentarea ofertei educaționale a Facultății de Mecanică.

Activitate desfășurată la nivelul facultății

1. Responsabil fonduri europene la Facultatea de Mecanică în anul universitar 2013-2014, 2015-2016, http://www.ucv.ro/servicii_administrative/departamente_adm/dfc/organigrama_2014.pdf
2. În anul universitar 2015-2016 tutore de an pentru secția de AR. Anul IV.
3. În anul universitar 2015-2016 membru în comisia de alegere pentru Consiliul Facultății și Senat.
4. În anul universitar 2015-2016 membru în comisia de alegere pentru Decan (12.04.2016).
5. În anul universitar 2015-2016 membru în comisia pentru ocuparea postului de inginer la Departamentul de Autovehicule, Transporturi și Inginerie Industrială (29.03.2016).
6. În anul universitar 2015-2016 responsabil pentru introducerea candidaților la master și la licență.
7. În anul universitar 2015-2016 membru în Comisie Disertație specializarea CPAM.
8. În anul universitar 2015-2016 prezentare laborator Elemente de Mecatronică vizită delegație Ford și laborator Incesa.
9. În anul universitar 2016-2017 tutore anul I Autovehicule Rutiere.
10. Vizită la lac Bals noiembrie 2016 cu studenții de la Facultatea de Mecanică.
11. În anul universitar 2017-2018 tutore anul III Autovehicule Rutiere.
12. În anul universitar 2017-2018 membru în Comisie licență specializarea Autovehicule Rutiere.
13. În anul universitar 2017-2018 secretar în Comisie Disertație specializarea CPAM.
14. În anul universitar 2018-2019 membru în Comisie licență specializarea Autovehicule Rutiere.
15. În anul universitar 2018-2019 secretar în Comisie Disertație specializarea CPAM.
16. Întocmire orar anul III, specializări AR, TCM, ITT, IEM 2017-2019.

Activitate cu studenții

1. Îndrăgitor a 26 de proiecte de licență la specializarea de Autovehicule Rutiere și Ingineria transporturilor și a traficului.
2. Îndrăgitor a 5 proiecte de disertație la specializarea de Proiectare, fabricare și dezvoltare în ingineria automobilelor.
3. Realizarea a 28 de standuri experimentale care sunt utilizate ca material didactic la specializările de Autovehicule Rutiere și Ingineria transporturilor și a traficului.

Craiova,
Februarie 2019

Conf. univ. dr. ing. Tutunea Dragoș