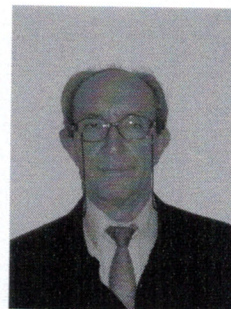


Curriculum vitae Europass

Informații personale

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Gender Barbat



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Locul de muncă vizat / Domeniul ocupațional

Universitatea Tehnică "Gheorghe Asachi" din Iași, Facultatea de mecanică, Departamentul de Inginerie Mecanică, Mecatronica și Robotica,
Titular cursuri de Tribologie -anul II Mecanică, Microsisteme Electromecanice - anul I Master MCT, Tribologia sistemului roată – șină – anul II Master STCF

Educație

Experiența profesională

Dates	01/08/1975 - 01/02/1979
Occupation or position held	INGINER MECANIC
Main activities and responsibilities	ACTIVITATI DE PROIECTARE SI DE PRODUCTIE
Name and address of employer	IMN- GALATI; TEROM- IASI,
Type of business or sector	INGINER MECANIC
Dates	01/02/1979 - 01/10/1986
Occupation or position held	ASISTENT UNIVERSITAR
Main activities and responsibilities	ACTIVITATI DIDACTICE SI DE CERCETARE
Name and address of employer	INSTITUTUL POLITEHNIC IASI BLD. COPOU, IASI (Romania)
Type of business or sector	ACTIVITATI DIDACTICE SI DE CERCETARE
Dates	01/10/1986 - 01/10/1993
Occupation or position held	SEF LUCRARI
Main activities and responsibilities	ACTIVITATI DIDACTICE SI DE CERCETARE
Name and address of employer	INSTITUTUL POLITEHNIC IASI BLD. COPOU, IASI (ROMANIA)
Type of business or sector	ACTIVITATI DIDACTICE SI DE CERCETARE
Dates	01/10/1993 - 01/10/1999
Occupation or position held	CONFERENTAR UNIVERSITAR
Main activities and responsibilities	ACTIVITATI DIDACTICE SI DE CERCETARE
Name and address of employer	UNIVERSITATEA TEHNICA "GHEORGHE ASACHI"



61-63, BLD. D. MANGERON, 700050 IASI (Romania)

Type of business or sector

ACTIVITATI DIDACTICE SI DE CERCETARE

Dates

01/10/1999 → PREZENT

Occupation or position held

PROFESOR UNIVERSITAR

Main activities and responsibilities

ACTIVITATI DIDACTICE, DE CERCETARE SI MANAGEMENT LA FACULTATEA DE MECANICA;
Profesor conducător de doctorat din 2004 cu 12 teze de doctorat susținute și confirmate până în prezent;

Prodecan facultate: 1997-2004;

Sef catedra OMM: 2008-2012;

Sef Departament IMMR: 2012-2016;

Prodecan Facultatea de Mecanică: 04.2016 - prezent

ACTIVITATI DE MANAGEMENT LA U.T.IASI;

MEMBRU IN SENATUL U.T.IASI: 2008-2012;

MEMBRU IN SENATUL U.T.IASI: 04.2016- prezent. Președinte Comisie de Invățământ a Senatului;

ACTIVITATI IN COMISII LA MECS

Membru în CNATDCU Comisia 17- Inginerie Mecanică – 2007-2010;

Membru în CNATDCU Comisia 17- Inginerie Mecanică – 05.2016 – prezent;

Name and address of employer

UNIVERSITATEA TEHNICA "GHEORGHE ASACHI" DIN IASI

FACULTATEA DE MECANICĂ

53, BLD.Prof. Dr. Doc. D. MANGERON, 700050 IASI

Type of business or sector

ACTIVITATI DIDACTICE, DE CERCETARE, DE MANAGEMENT

Educație și formare

Dates

01/10/1970 - 01/07/1975

Title of qualification awarded

INGINER

Principal subjects / occupational skills covered

INGINERIE MECANICA

Name and type of organisation providing education and training

INSTITUTUL POLITEHNIC IASI, FACULTATEA DE MECANICA (UNIVERSITATE)
BLD. COPOU, IASI (Romania)

Dates

01/10/1985 - 15/07/1992

Title of qualification awarded

DOCTORAT

Principal subjects / occupational skills covered

ORGANE DE MASINI SI TRIBOLOGIE

Name and type of organisation providing education and training

INSTITUTUL POLITEHNIC IASI, FACULTATEA DE MECANICA (UNIVERSITATE)
BLD.COPOU, IASI (Romania)

Dates

4-19 iulie 1994

Title of qualification awarded

CURSURI DE SPECIALIZARE

Principal subjects / occupational skills covered

DESIGN FOR QUALITY

Name and type of organisation providing education and training

UNIVERSITATEA DIN BOLONIA - ITALIA

Dates

Iulie – Septembrie 2001 (3 luni)

Title of qualification awarded

SPECIALIZARE CU BURSA DAAD

Principal subjects / occupational skills covered

TRIBOLOGY OF LINEAR GUIDANCE SYSTEMS

Name and type of organisation providing education and training

HTW des Saarlandes, Saarbrucken, Germania; INA Homburg, Germania

Dates

August – Septembrie 2004 (2 luni)

Page 2 / 3 - Curriculum vitae of
DUMITRU OLARU

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Title of qualification awarded: SPECIALIZARE CU BURSA DAAD
 Principal subjects / occupational skills covered: TRIBOLOGY OF MECHATRONICS MICROSYSTEMS
 Name and type of organisation providing education and training: HTW des Saarlandes, Saarbrucken, Germania;

Aptitudini și competențe personale

Limba maternă: ROMANA

Other language(s)

Self-assessment European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user
A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User

(*) *Common European Framework of Reference (CEF) level*

Social skills and competences

Spirit de echipa;
 Capacitate de adaptare la medii multiculturale obtinuta prin stagii de cercetare si vizite la universitati din strainatate (University of Bologna, HTW des Saarlandes, INSA Lyon, Twente University)
 Capacitate buna de comunicare.

Organisational skills and competences

PRODECAN DE FACULTATE ,SEF CATEDRA , DIRECTOR DEPARTAMENT, MEMBRU IN SENATUL U.T.IASI, MEMBRU IN COMISIE CNATDCU, EVALUATOR CNCISIS

Technical skills and competences

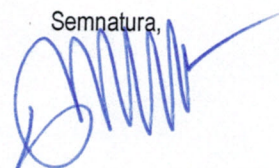
COMPETENTE IN URMATOARELE DOMENII:
 ORGANE DE MASINI,
 TRIBOLOGIE, BIOTRIBOLOGIE, MICROTRIBOLOGIE;
 MECATRONICA, MICROSISTEME MECATRONICE;
 CONDUCATOR DE DOCTORAT IN DOMENIUL INGINERIE MECANICA CU 12 TEZE SUSTINUTE

Computer skills and competences

O BUNA STAPANIRE A UTILITARELOR:(Word™, Excel™PowerPoint™, MathCAD)

Annexes

Data:
 1 sept. 2017

Semnatura,


Prof. Dr. Ing. Dumitru Olaru

A. LISTA PRINCIPALELOR LUCRĂRI PUBLICATE

I. Autor și co-autor de cărți și monografii:

1. Gafitanu, M.D., Cretu, Sp., Nastase, D., **Olaru, D.N. : RULMENȚI. PROIECTARE SI TEHNOLOGIE**, Vol.I, București, Editura Tehnică, 1985; (Premiul Academiei Române – 1987)
2. Gafitanu, M.D., Cretu, Sp., Nastase, D., Racocea, C., Coman, Gh., Nestor, T., **Olaru, D.N. : RULMENȚI. PROIECTARE SI TEHNOLOGIE**, Vol.II, București, Editura Tehnică, 1985; (Premiul Academiei Române – 1987)
3. **Olaru, D.N., FUNDAMENTE DE LUBRIFICATIE**, Editura "Gh.Asachi", Iași, 2002, 250 pagini.
4. Tabacaru Lucian, **Olaru Dumitru, LUBRIFICAȚIE. NOȚIUNI DE BAZĂ SI APLICAȚII**, Editura **TEHNICA- INFO**, Chisinau, 2003;
5. Gelu Ianus, **Dumitru Olaru, Alina Corina Dumitrascu, ROCESE TRIBOLOGICE IN MICROSISTEME**, Ed. **POLITEHNIUM**, Iasi, 2009;
6. Gheorghe Prisașaru, Vlad Carlescu, **Dumitru Olaru, CTUATORI NECONVENTIONALII ÎN MECATRONICĂ**, Ed. **TEHNOPRES**, 2013,

II. Autor și co-autor de cursuri universitare și îndrumare de laborator (tipărit și format electronic):

1. **Olaru, D.N., TRIBOLOGIE**, Rotaprint U.T. "Gh.Asachi" Iași, 1995, 280 pagini;
2. Bercea I., **Olaru, D.N., TRIBOLOGIA SISTEMELOR MECANICE**, Rotaprint U.T. Iași, 1998, 270 pagini.
3. **Dumitru Olaru**, Ciprian Stamate, **MICROSISTEME MECATRONICE**. Note de curs în format electronic: www.mectuiasi.ro/index.php/studenti/download-descarca2
4. Gafițanu, M.D., Crețu, Sp., Bariz, Gh., **Olaru, D.N.: Organe de Mașini**. Indrumar de laborator, Litografia I.P. Iași, 1987, 120 pagini;
5. Crețu, Sp., **Olaru, D.N., Prisașaru Gh., Tudose Fl., Balan, R.: TRIBOLOGIE**. Indrumar de laborator, Litografia I.P. Iași, 1990, 100 pagini.
6. **Dumitru Olaru**, **TRIBOLOGIE**, Suport de curs în format electronic ppt, 2016, www.mectuiasi.ro/index.php/studenti/download-descarca2
7. **D. Olaru**, Gh. Bodi, M.R. Balan, C. V. Stamate, M. Benchea, **TRIBOLOGIE**. Aplicatii (Lucrări de laborator și probleme) în format electronic, www.mectuiasi.ro/index.php/studenti/download-descarca2

III. Teza de doctorat

CERCETARI PRIVIND CREȘTEREA TURATIEI RULMENȚILOR RADIAL-AXIALI CU BILE, Cond. Șt. Prof. dr. ing. M.D. Gafițanu, Iași, 1992

IV. Prim -autor și co-autor de articole publicate în reviste de specialitate din străinătate cu factor de impact inclus în Journal of Citation Reports

1. **D.N. Olaru** and M.D. Gafitanu: *Starvation in Ball Bearings*, **Wear**, 170 (1993), 219-234;
Citată în: **Journal of Astronautics** (2007) 28 (2), pp. 427-431 ; **Tribology Series 34**, (1998), pp. 243-252;
Wear, 211, Issue 1, October (1997), 22-29; **Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science**, (2010), 224, no. 12, 2610-2626; **Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology** March 1, (2009) vol. 223 no. 3, 497-510; **2011 STLE Annual Meeting & Exhibition, May 15-19, 2011, Hilton Atlanta Hotel, Atlanta, Georgia, USA; Proc. of the 5th International Tribology Conference in Australia**, Brisbane 6-9 December 1998; **Tribology International**, 92, December (2015), 577-584;

2. D.N.Olaru and M.D.Gafitanu: *Lubrication Safety in High-Speed Ball Bearings*, **Lubrication Science**, 9-4, August 1997, pp 365- 389;
3. D.N.Olaru and M.D.Gafitanu: *A New Methodology to Estimate Starvation in Ball Bearings*, **Tribotest Journal**, 4-1, 1997, p.93- 106;
4. M.D.Gafitanu, D.N.Olaru und M.C.Cocea: *Die Verluste Wegen Der Reibung In Radial-Axial –Kugellagern Bei Hohen Drehzahlen*, **Wear**, 160 (1993), 51-60;
 Citată în: **WEAR**, 188, Issues 1-2, September (1995), 1-10; **WEAR**, 188, Issues 1-2, September (1995), 11-18;
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6. Bercea, M. Bercea, I. Olaru, D., N., Nelias, D.: *Polyethylene as an Additive for Mineral Oils- Part I: Influence of the Polymer Concentration on the Film-Forming Properties in Rolling Bearings*, **STLE -TRIBOLOGY TRANSACTIONS**, Vol.42, 1999, 4, p.851-859;
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7. Bercea, M., Bercea, I., Nelias, D., Olaru, D.N.: *The Tribological Behavior of Mineral Oils Additived with Polyethylene*, **LUBRICATION SCIENCE**, 11-3, May 1999 (11), p.247-270;
 Citată în: **Lubrication Science** (2004), 17 (1), pp. 3-24; **Tribology Transactions**, (2002), 45, (2), pp. 145-152; **Lubrication Science** (2009); 21: 321-330;
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9. C.Oprișan, D.N.Olaru, D.Leohchi, *A New Method to Simulate the Elastic Interactions in the Tribosystems of a Multi-Bar Mechanism*, **TRIBOTEST JOURNAL**, 9-2, December 2002 (9), p.157-169.
10. O. Dodun, D. Olaru, G. Nagiț, F. Negoescu and M. Coteață, *Experimental study regarding electrostatic spray coating of solid lubricant for gears*, **INTERNATIONAL JOURNAL OF MATERIAL FORMING, Volume 1, Supplement 1** (2008), 1335-1338, (SpringerLink):
11. Olaru, D.N; Stamate, C; Prisacaru, G. - *Rolling Friction in a MicroTribosystem*, **TRIBOLOGY LETTERS**, Volume: 35, Issue: 3, 2009, Pages: 205-210;
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Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, (2014), 228, 10, pp.1112-1121; **Tribology International**, Vol. 100, (2016), 338-343;
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13. V. Cârlescu, D. Olaru, F. Breabăn, Gh. Prisăcaru - *Comparative study of electromechanical response in some dielectric elastomers*, **JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS**, Vol.13, 2011.
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15. Mihaela Rodica D. Bălan, Vasile Ciprian Stamate, Luc Houpert, **Dumitru N. Olaru**, *The influence of the lubricant viscosity on the rolling friction torque*, **TRIBOLOGY INTERNATIONAL** 72 (2014) 1-12;
 Citată în: **Tribology International**, Vol. 95, (2016), 76-85; **International Journal of Science and Engineering Investigations**, vol. 5, issue 50, (2016), 21-23; **LUBRICANTS**, (2015), 3(2), 181-196; **Tribology International**, Vol. 114, (2017), pp. 402-408;

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17. Dumitru N. Olaru, Mihaela Rodica D. Bălan, Ana Tufescu, Vlad Cârlescu, Gheorghe Prisacaru, *Influence of the cage on the friction torque in low loaded thrust ball bearings operating in lubricated conditions*, TRIBOLOGY INTERNATIONAL, Volume 107, March 2017, Pages 294–305;

Citată în: Journal of Chemical and Pharmaceutical Sciences, (2017), Vol. 10 Issue 1, 630-634;

18. Vlad Cârlescu, Dumitru N. Olaru, Gheorghe Prisacaru, Cezar Oprisan and José Machado, *Sensors and Actuators on Determining Parameters for Being Considered in Selection of Elastomers for Biomimetic Hands*, SENSORS, 2017, 17(6), 1190; doi:10.3390/s17061190;

V. Prim -autor și co-autor de articole publicate în reviste de specialitate și volume de conferințe indexate ISI și BDI (perioada 2005-2017)

1. D Olaru, GC Puiu, LC Balan, V Puiu, *A New Model to Estimate Friction Torque in a Ball Screw System*, Product Engineering, 2005, pp 333-346.

Citată în: CIRP Annals-Manufacturing Technology, (2010) Vol. 59, Issue 1, pp.429-432; The International Journal of Advanced Manufacturing Technology, (2011), Volume 52, Issue 1-4, pp 343-364; Mechanism and Machine Theory, Volume 87, May (2015), Pages 57–69; Mechanics Based Design of Structures and Machines, Volume 43, Issue 2, (2015); 164-182; International Journal of Machine Tools and Manufacture, (2012), Volume 52, Issue 1, Pages 85–96; Key Engineering Materials, (2014) Vol. 572, pp. 363-366; NEUROCOMPUTING, Volume 179, 29 February (2016), Pages 110–117; Proc. of 2013 STLE Annual Meeting & Exhibition May 5-9, 2013, Detroit, Michigan, USA; Proc. of 2009 International Conference on Mechatronics and Automation, 9-12 Aug. 2009, pp. 3716 – 3720; Proc of 2016 IEEE International Conference on Advanced Intelligent Mechatronics (AIM), 2016, Page(s):1430 – 1435; ASME 2016 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference, Volume 4, Paper No. DETC2016-60464; Journal of Mechanical Science and Technology, October 2016, Volume 30, Issue 10, pp 4489–4496, Meccanica (2017). doi:10.1007/s11012-016-0605-x, pp:1-15; Industrial Lubrication and Tribology, Vol. 69 Issue: 2, pp.166-173;

2. Iuliana Rotaru, Carmen Bujoreanu, Dumitru Olaru, Adrian Bele și Maria Cazacu *Preliminary Experimental Testing on Fatigue Resistance for Silicone Rubbers Proposed within Lumbar Disc Prosthesis*, publicată în Proceedings of the 4th IEEE International Conference on E-Health and Bioengineering – EHB 2013, Ed. Universitatea de Medicină și Farmacie „Grigore T. Popa”, S10, Paper ID 231.

3. M Baiceanu, P Flores, C Oprisan, D Olaru, *Study of the Contact Force Model on the Dynamic Response of a Four-Bar Mechanism with Clearance Joints*, New Trends in Mechanism and Machine Science Mechanisms and Machine Science, Volume 7, 2013, pp 541-548,

4. Balan Mihaela Rodica, Vasile Ciprian Stamate, Luc Houpert, Ana Tufescu, N. Dumitru Olaru, *Influence of the Geometry on the Rolling Friction Torque in Lubricated Ball-Race Contacts*, Applied Mechanics and Materials-Advanced Concepts in Mechanical Engineering I, Vol.658,(2014), pp. 271-276.

5. C. Bujoreanu, R. Monoranu, C. Știrbu, D. Olaru, *Some Dynamic Behaviour Aspects Related to a Vehicle Suspension*, Applied Mechanics and Materials, ISSN 1662-7482, Vols. 809-810, pp. 1049-1054, Nov. (2015),

6. I. P. Tărăboanță, V. Paleu, C. Bujoreanu, M. Benchea, D. Olaru, *Some Considerations on Vibration Diagnose of Miniature Ball Bearings*, Applied Mechanics and Materials, ISSN 1662-7482 Vols. 809-810, pp. 670-675, Nov. (2015),

7. Carlescu Vlad, G Prisacaru, ND Olaru, *FEM Simulation on Uniaxial Tension of Hyperelastic Elastomers*, Applied Mechanics and Materials-Advanced Concepts in Mechanical Engineering II, Vol. 659, (2014), pp. 57-62.

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9. C. Dumitrascu, G. Ianus, D.N. Olaru, *Influence of the Contact Pressure on the Rolling Resistance Moments in Dry Ball-Race Contacts*, APPLIED MECHANICS AND MATERIALS, Vol. 658 (2014) pp. 305-310;

10. Carmen Bujoreanu, Marcelin Benchea and Dumitru Olaru, *Acoustic Emission Monitoring Of Lubrication Regimes In Rolling Contacts*, Buletinul IPI, Tomul LXI (LXV), Fasc. 1, (2015), Secția Construcției de Mașini, ISSN 1011-2855, p.123-134.

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15. Alexandru BARNEA, Cezar OPRISAN, **Dumitru OLARU**, *Force sensitive resistors calibration for the usage in gripping devices*, Proc. of The 3rd International Conference on **DIAGNOSIS AND PREDICTION IN MECHANICA ENGINEERING SYSTEMS-DIPRE 12**, May 31 – June 1, 2012, Galati, Romania;
16. Mihai BAICEANU, Cezar OPRISAN, **Dumitru OLARU**: *INFLUENCE OF FRICTION IN THE DYNAMIC RESPONSE OF A FOUR-BAR MECHANISM WITH CLEARANCE JOINTS*, **Proceedings of VAREHD**, Vol. 16, 2012, pp. 97- 102.
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19. Mihaela Rodica BĂLAN, **Dumitru OLARU**, *ROLLING FRICTION TORQUE IN LUBRICATED CONTACTS FROM MICRO TO MACRO SCALE*, **Mechanical Testing and Diagnosis**, 2012 (II), Volume 2, 44-53,
20. Emanuel Miron, João P. M. A. Silva, José Machado, **Dumitru Olaru** and Gheorghe Prisacaru: *Using ICT techniques for improving mechatronic systems' dependability*, **AIP Conf. Proc.** 1558, 1033 (2013);
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22. George V. Puiu, **Dumitru N. Olaru**, Vasile Puiu - *FRICTION TORQUE AND EFFICIENCY IN BALL – SCREW SYSTEMS*, **ACTA TRIBOLOGICA**, Volume 17, (2009), 25-29;
23. Vlad Carlescu, Stelian Vlad, Gheorghe Prisăcaru, **Dumitru Olaru**, *Mechanical Testing of Elastomers for Sensor and Actuator Applications*, **TEHNOMUS Journal**, 2014, Nr. 21, Vol.1, p.80-87.
24. Vlad Cârlescu, **Dumitru Olaru**, Gheorghe Prisăcaru, Stelian Vlad, *Determining the stress-strain curve of PDMS-SiO₂-TiO₂ electroactive polymers*, Mechanical Testing and Diagnosis, 2012 (II), Volume 2, 54-61
25. Vlad Cârlescu, Florin Breabăn, **Dumitru Olaru**, Gheorghe Prisăcaru, *Experimental methods for measuring the field-induced strain response of dielectric elastomers*, Buletinul Institutului Politehnic din Iași, Tomul LVII (LXI), Fasc. 2, 2012, Secția Construcții de Mașini, pp. 157-164,
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32. MIHAI BAICEANU, PAULO FLORES, CEZAR OPRISAN and **DUMITRU OLARU**, *Effects of the driving speed on the dynamic response of a four-bar mechanism with clearance joints*. **Bul. Inst. Polit. Iasi**, t. LVIII (LXII), f. 2, 2012, pp.165-172;
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35. **Olaru D.**, C. Stamate - *Rolling friction in the mechatronic microsystems*, **Proc. of VAREHD Conference Vol.14**, 2008, 122-126;
36. Stamate C., **D. Olaru** - *A new pin disc microtribometer*, **Proc. of VAREHD Conference Vol.14**, 2008, 144-149;
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41. G Ianuş , A C Dumitraşcu, V Cârlescu and **D N Olaru**, *FRICTION TORQUE IN THRUST BALL BEARINGS GREASE LUBRICATED*, 7th International Conference on Advanced Concepts in Mechanical Engineering, IOP Conf. Series: Materials Science and Engineering 147 (2016) 012026 doi:10.1088/1757-899X/147/1/012026,
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VI. Prim-autor și co-autor la articole publicate în volume ale manifestărilor științifice internaționale neindexate BDI:

1. **Olaru, D.N.**, Gafițanu, M.D., Sillion, D., Secuiu, Gh., *Thermal Effects and Lubrication Starvation in High-Speed Ball Bearings. Analytical and Experimental Investigations*, **Proceedings of 6th International Congress on Tribology –EUROTRIB’93**, Budapesta, 1993, vol.4, p.228-233;
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4. **Olaru, D.N.**, Lorenz, P., Rudy, D., Cretu, Sp., Prisăcaru, Gh., *Tribology Improving the Quality in the Linear Rolling Guidance Systems. Part 1 Friction in Two Contact Points Systems*, **Proc. of the 13th International Colloquium on Tribology, Esslingen**, 15-17 January, 2002,
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23. C.Bujoreanu, **D.N. Olaru**, Sp. Cretu, N. Popinceanu, D. Nelias, *Scuffing Approach for an angular Contact Ball-Bearing*, **Proceedings of the 12th International Colloquium Tribology Stuttgart/Ostfildern** (Germany), Esslingen, January 2000, Vol II, pp. 1245-1259.
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B.LISTA PRINCIPALELOR GRANTURI CÂȘTIGATE PRIN COMPETIȚII NAȚIONALE

XI. GRANTURI CNCSIS

I. Director de grant:

1. Grant CNCSU tip A, Cod 524/1996
Tema: OPTIMIZAREA PROCESELOR TRIBOLOGICE DIN ARTICULAȚIILE SISTEMELOR DE PROTEZARE ALE APARATULUI LOCOMOTOR UMAN
Director grant: Dumitru OLARU
Valoare 5.000.000 lei (800 USD)
2. Grant CNCSU Tip A Cod 1136/1997
Tema: OPTIMIZAREA PROCESELOR TRIBOLOGICE DIN ARTICULAȚIILE SISTEMELOR DE PROTEZARE ALE APARATULUI LOCOMOTOR UMAN
Director grant: Dumitru OLARU
Valoare totala 8 000 000 lei (900 USD)
3. Grant CNCSU Tip A Cod 1132/1997
Tema : STUDIUL PIERDERILOR PRIN FRECARĂ ÎN RULMENȚII RADIALI SI RADIAL AXIALI CU BILE, ÎN CORELAȚIE CU ABATERILE DE MONTAJ SI CU RIGIDITATEA ARBORILOR
Director grant: Dumitru OLARU
Valoare 10.000.000 lei (1400 USD)
4. Grant CNCSU Tip A Cod 517/1998 Tema 1
Tema: STUDIUL PIERDERILOR PRIN FRECARĂ ÎN RULMENȚI RADIAL-AXIALI CU BILE ÎN CORELAȚIE CU ABATERILE DE MONTAJ ȘI CU RIGIDITATEA ARBORILOR.
Director grant: Dumitru OLARU
Valoarea 16.000.000 lei (1900 USD)
5. Grant CNCSIS Tip A, Cod 540/1999, Tema 12, Contract 34280/1999 :
Tema: CERCETĂRI PRIVIND CREȘTEREA PERFORMANTELOR TRIBOSISTEMELOR CU DESTINAȚII SPECIALE PRIN UTILIZAREA MATERIALELOR CERAMICE. APLICAȚII LA RULMENȚI SI SISTEME DE PROTEZARE.
Director grant: Dumitru OLARU
Valoarea 45 000 000 lei (3000 USD)
6. Grant CNCSIS Tip A Cod 886/2000, Tema 8, Contract 37089/2000 :
Tema: CERCETĂRI PRIVIND CREȘTEREA PERFORMANTELOR TRIBOSISTEMELOR CU DESTINAȚII SPECIALE PRIN UTILIZAREA MATERIALELOR CERAMICE. APLICAȚII LA RULMENȚI SI SISTEME DE PROTEZARE.
Director grant: Dumitru OLARU
Valoarea 45 000 000 lei (2000 USD)
7. Grant CNCSIS Tip A Cod 282/2001, Tema 48, Contract 37089/2001
Tema: CERCETĂRI PRIVIND FIABILITATEA SISTEMELOR DE GHIDARE LINIARE CU ROSTOGOLIRE, ÎN CORELAȚIE CU PROCESELE TRIBOLOGICE SI PRECIZIA DE FUNCȚIONARE
Director grant: Dumitru OLARU
Valoarea 55 000 000 lei (1900 USD)
8. Grant CNCSIS Tip A. Tema nr.. **24** COD CNCSIS **403/2002**
Tema: CERCETĂRI PRIVIND FIABILITATEA SISTEMELOR DE GHIDARE LINIARE CU ROSTOGOLIRE, ÎN CORELAȚIE CU PROCESELE TRIBOLOGICE SI PRECIZIA DE FUNCȚIONARE
Director grant: Dumitru OLARU
Valoare 52.000.000 Lei

9. Grant CNCISIS Tip A. Tema nr.. **29** COD CNCISIS **326/2003**

Tema: CERCETĂRI PRIVIND FIABILITATEA SISTEMELOR DE GHIDARE LINIARE CU ROSTOGOLIRE, IN CORELAȚIE CU PROCESELE TRIBOLOGICE SI PRECIZIA DE FUNCȚIONARE

Director grant: Dumitru OLARU

Valoare 67.000.000 Lei

10. Grant CNCISIS Tip A. Contract nr. 33371/2004, tema 37, cod CNCISIS 537-(2004-2007)

CERCETARI PRIVIND FIABILITATEA SISTEMELOR MECATRONICE IN CORELATIE CU PROCESELE MACRO-,

MICRO- SI NANOTRIBOLOGICE Autoritatea Contractanta – UEFISCSU

Contractor: Universitatea Tehnică „Gh. Asachi” din Iasi

Director grant: Dumitru OLARU

Valoare contract: 100000000 ROL (2760 €)

12. PROGRAM PN II – IDEI cod ID 607 contract 381/2007 (2007)

CERCETĂRI PRIVIND REDUCEREA FRECĂRII ÎN MICROSISTEME MECATRONICE

Autoritatea Contractanta – UEFISCSU Contractor: Universitatea Tehnică „Gh.Asachi” din Iasi

Director grant: Dumitru OLARU

Valoare contract: 141400 RON

13. PROGRAM PN II – IDEI cod ID 607 -2008, contract 381/2007 (2008)

CERCETARI PRIVIND REDUCEREA FRECARII INMICROSISTEME MECATRONICE

Autoritatea Contractanta – UEFISCSU Contractor: Universitatea Tehnică „Gh.Asachi” din Iasi

Director grant: Dumitru OLARU

Valoare contract: 355505 RON

14. PROGRAM PN II – IDEI cod ID 607 -2009, contract 381/2007 (2009-2010)

CERCETARI PRIVIND REDUCEREA FRECARII INMICROSISTEME MECATRONICE

Autoritatea Contractanta – UEFISCSU Contractor: Universitatea Tehnică „Gh.Asachi” din Iasi

Director grant: Dumitru OLARU

Valoare contract: 129850 RON

II. Membru în colectiv de cercetare

1. Grant CNCSU – BM tip D

Tema: ASIGURAREA CALITĂȚII SI FIABILITATII SISTEMELOR MECANICE IN CORELAȚIE CU PROCESELE TRIBOLOGICE SI FENOMENELE DE OBOSEALA MECANICA

Director tema: prof.dr.ing.Spiridon CRETU,

Valoarea totală 60 000 USD

Perioada 1998-2002;

2. Contract POSDRU/87/1.3/S/64069 FLEXFORM

(Platforma profesionala flexibila pe platforme mecatronice)-Program de formare,

Beneficiar Universitatea Tehnica din Cluj Napoca,

Director Tulasii **Prof. Prisacaru Gheorghe;**

Valoare : 1 330 825 RON

3. Contract PN II 1731, (Contract fin. 71-129/2007)- UEFISCDI

Beneficiar Universitatea Tehnica din Cluj Napoca,

Director: **prof. Gheorghe Prisacaru;**

Valoare 131 086 RON

4. POSDRU/87/1.3/S/61397

- Retea Natională de Formare CONTinuă a CadrelOR Didactice din Învățământul Preuniversitar Profesional si Tehnic – **CONCORD**

Finantator: Fondul Social European prin Programul Operational Sectorial pentru Dezvoltarea Resurselor Umane **2007 –2013**

Beneficiar: Universitatea “Politehnica” Bucuresti

Partener 2: Universitatea Tehnică „Gheorghe Asachi” din Iasi

Expert operational (expert pe termen lung) responsabil domeniul inginerie mecanică (partener 2):

Prof. Gheorghe Prisacaru

Valoare contract: 753 844 (RON)

D. LISTA BREVETELOR DE INVENȚIE:

1. Title: **Process and Inertial Micro-Tribometer for Studying Rolling Friction, Patent Number(s): RO127562-B1**, Patent Assignee: UNIV IASI TEHNICA ASACHI GHEORGHE, Inventor(s): **OLARU D**; STAMATE V C; PRISACARU G; IANUS G.
2. Title: **Gravity Pin-on-Disc Micro-Tribometer for Studying the Sliding Friction Phenomenon, Patent Number(s): RO127849-A2**, Patent Assignee: UNIV IASI TEHNICA ASACHI GHEORGHE, Inventor(s): **OLARU D**; STAMATE V C; PRISACARU G; IANUS G, DUMITRASCU C.A.

IASI

1 septembrie 2017

Prof. dr. ing. Dumitru Olaru

