

LISTA DE LUCRĂRI

Conf.dr.ing. Rontescu Corneliu

I. TEZA (E) DE DOCTORAT (T)

- T1.** *Cercetări privind optimizarea sudării oțelurilor slab aliate termorezistente*, Diploma de DOCTOR INGINER, Seria F, Nr. 0012347, aprobată prin Ordinul Ministrului Educației, Cercetării și Tineretului nr. 3030 din 13.01.2009

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Ca – Cărți / cursuri (manuale) pentru uzul studenților, publicate în edituri recunoscute.

- Ca1.** C. Rontescu, Gh. Mazareanu – *Mecanizarea și automatizarea proceselor de sudare*, Editura Printech, Editura Printech, Recunoscută CNCSIS, cod 54, ISBN 978-606-521-667-9, 2011, 248 pag.
- Ca2.** Gh. Zgura, G. Iacobescu, C. Rontescu, D.T. Cicic, - *Tehnologia sudării prin topire*, Editura Politehnica Press, 2007, Recunoscută CNCSIS, cod 19, ISBN 978-973-7838-57-5, 2007, 223 pag.
- Ca3.** G. Iacobescu, C. Rontescu – *Echipamente pentru sudare - vol.I*, Editura Politehnica Press, Recunoscută CNCSIS, cod 19, 2010, ISBN 978-606-515-125-3, 260 pag.
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- Ca5.** Cătălin Gheorghe Amza, Dumitru Titi Cicic, Corneliu Rontescu, Daniel Vlăsceanu – *Calculatoare electronice și rețele de calculatoare*, Editura Printech, Recunoscută CNCSIS, cod 54, ISBN 978-606-23-0257-23, 2014, 301 pag.
- Ca6.** Cătălin Gheorghe Amza, Dumitru Titi Cicic, Corneliu Rontescu, Daniela Ioana Tudose – *Procesare texte și imagini*, Editura Printech, Recunoscută CNCSIS, cod 54, ISBN 976-606 -23 – 0242- 9, 2014, 182 pag.

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- Cb2.** C. Rontescu, G. Iacobescu, *Sudarea prin topire, Vol.II*, Editura Bren, Cod CNCSIS 96, ISBN 978-606-610-225-4 , 2019, 358 pagini
- Cb3** D.T. Cicic, C. Rontescu, *Procedee de sudare și conexe sudării, Termeni și definiții. Reprezentări și simbolizări grafice. Numerele de referință și standardele utilizate în procesele de sudare și conexe sudării*, Editura Bren, Cod CNCSIS 96, ISBN 978-606-610-226-1 , 2019, 133 pagini
- Cb4.** Voiculescu, C. Rontescu, I.L.Dondea - *Metalografia îmbinărilor sudate*, Editura SUDURA, 2010, ISBN 978-973-8359-58-1, 260 pag.

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- I1.** Fl. Dumitrache, C. Luchian, D. Gârleanu, D.T. Cicic, G. Gârleanu, G. Dumitrescu, V. Păun, A. Dimitrescu, C. Rontescu, V. Popovici, T. Grecu, S. Păun – *Tehnologia și prelucrarea materialelor*, Îndrumar laborator, Ed. BREN, București, Recunoscută CNCSIS, cod 96, ISBN 973-648-487-4, 2005, 302 pag.
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- I3.** Gh. Solomon, D. T. Cicic, C. Rontescu, A. Mihai, I. Voiculescu, G. Iacobescu – *Ghid pentru elaborarea proiectului de licență*, Editura Politehnica Press, ISBN 973-606-515-256-6, Recunoscută CNCSIS, cod 19, 2011, 128 pag.
- I4.** Gabriel Iacobescu, Corneliu Rontescu, Dumitru-Titi Cicic, Gh. Solomon, A. Mihai, I. Voiculescu – *Îndrumar pentru elaborarea proiectului de licență*, Editura Politehnica Press, Recunoscută CNCSIS, cod 19, ISBN 978-606-515-455-1, 2013, 134 pag.
- I5.** C. Rontescu, G. Iacobescu, DT Cicic, *Sudarea prin topire I, Îndrumar de laborator*, Editura Bren, Cod CNCSIS 96, ISBN 978-606-610-230-8 , 2019, 117 pagini

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- Ris2.** Corneliu Rontescu, Mihai Balaceanu, Marius Tonoiu, Razvan Vasiiu - *Study on failure of welded structure module using computational programs* –Proceedings of the IIW International conference Welding & materials, technical, economic and ecological aspects – 60th Annual Assembly and International Conference – 2007, Dubrovnik & Cavtat, Croatia, pag. 757...764, Welding in the World, Volume 51, Issue SPEC. ISS., 15 July 2007, Pages 757-764, ISSN: 00432288,
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- Ris4.** Dumitru - Titi CICIC, Gheorghe SOLOMON, Gabriel IACOBESCU, Corneliu RONTESCU - *Researches regarding quality of the welded joints obtained by applying the techniques of welding renewal to components from the energy industry made from SA 387 GR 12*, U.P.B. Sci. Bull. Series, Series D: Inginerie mecanică, nr. 3 pag. 35-30 ISSN 1454 – 2358 – 2009, Cotare CNCISIS tip B+, cod 102 – 2009, pag. 35...50,
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INDEXATĂ: SCOPUS
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- Vis32.** Dumitru Titi Cicic, Corneliu Rontescu, Oana Roxana Chivu, Ștefan Constantin Petriceau, Quantitative and qualitative comparisons between necessary methods, applicable to welding steel 13CrMo4-5, to establish the preheating temperature, *Fiabilitate si Durabilitate - Fiability & Durability* No 1/ 2019, Editura "Academica Brâncuși", Târgu Jiu, ISSN 1844 – 640X, pp. 97-105,
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- Vi - Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate;**
- Vi1.** Gheorghe Zgura, Petre Serban, Zlatko Garac, Corneliu Rontescu, *Ecological issues and aspects connected to the recycling of materials used in automobile construction*, – Romanian Journal of Technical Sciences APPLIED MECHANICS, Editura Academiei Române, Proceedings of the International Conference on Manufacturing Systems, ICMAS'2004, vol. 49, Special number 2004, Bucuresti, Romania, octombrie 2004, ISBN 973-27-1102-7, Cod CNCSIS 164, pag. 75-78, <http://edition2004.icmas.eu/>
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- Vi6.** Corneliu Rontescu, Gheorghe Zgura, Victor Popovici, *Modeling of heat distribution during TIG welding based on the finite element method* - The 8thInternational Conference of Technology and Quality, for Sustained Development, Octomber 30-31, 2008 Bucharest, Romania, ISSN 1844-9158, Ed. Agir Publishing House, Cod CNCISIS 140, pag. 85...90, <http://www.camis.pub.ro/tqsd08/programme.html>
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- Vi8.** S.I. dr. ing. Dumitru-Titi Cicic, Prof. Dr. ing. Gheorghe Solomon, As. Dr. ing. Corneliu Rontescu, Drd. ing. Apostol Georgeta, *Cercetări privind efectele tehnicilor de recondiționare prin sudare asupra durității îmbinărilor obținute la echipamentele din industria energetică*, Conferința Internațională Sudura 2009, Dobreta Turmu Severin, pag 195-208, ISSN 1843-4738, Ed. Sudura, Cod CNCISIS 25 -2009, pag.195...208
- Vi9.** Gheorghe AMZA, Dumitru TITI CICIC, Corneliu RONTESCU, Zoia Apostolescu, Florica Calin - *Contribuții teoretice și experimentale privind poluarea mediului prin procedeul de sudare cu flacără oxi-gaz (SF)*- Conferința Internațională ASR „SUDURA 2010”, Tehnologii de sudare si recondiționare prin sudare, 21 – 23 aprilie, 2010, Ploiești; ISSN 1843-4738, Ed. Sudura, Cod CNCISIS 25, pag. 60-71, Programul conferinței disponibil la : http://asr.ro/images/conferinte/conferinta_2010/circulara%20II%202010.pdf
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- Vi13.** Alexandrina Mihai, Florin Ștefănescu, Gigel Neagu, Corneliu Rontescu, *Evaluarea calității materialelor compozite metalice prin metode nedistructive*, NDT quality assessment of metallic composite material, lucrare prezentată în plenul celui de al XXII-lea Simpozion Internațional de Examinări Nedistructive, 10-12 iunie 2015, organizat de ARoENd, Mamaia, Constanța
- Vn - Volumele unor manifestări științifice naționale.**
- Vn1.** Prof. Dr. Ing. Gheorghe MARINA, As. Drd. Ing. Dumitru Titi CICIC, Prep. Drd. Ing. Corneliu RONTESCU – *Analiza comportării la sudare a oțelului X2CrNiMoN22.5.3*, Lucrările conferinței ASR SUDURA - 2004, Constanța, România, septembrie 2004, ISBN 973-8358-25-2, Ed. Sudura, Cod CNCISIS 25, pag. 117...125
- Vn2.** Prof. Dr. Ing. Ionelia Voiculescu, Ing. Gădea Liviu, Prep.Drd.Ing. Corneliu Rontescu, As. Drd.Ing. Dumitru Titi Cicic - *Program computerizat pentru analiza macrografică a sudurilor*, Lucrările conferinței ASR SUDURA – 2005, Editura Sudura, Galați, România, septembrie 2005, ISBN 973-8359-33-3, Ed. Sudura, Cod CNCISIS 25, pag. 231..239
- Vn3.** Prep. Drd. Ing. Corneliu Rontescu, Prof. Dr. Ing. Ionelia Voiculescu, As. Drd. Ing. Dumitru Titi Cicic - *Analiza procesului de debitare termică asupra rosturilor îmbinărilor sudate*, Lucrările conferinței ASR SUDURA - 2005, Editura Sudura, Galați, România, septembrie 2005, ISBN 973-8359-33-3, Ed. Sudura, Cod CNCISIS 25, pag. 365...374

- Vn4.** Gheorghe Zgură, Corneliu Rontescu, Emil Nită, *Cercetări experimentale privind sudabilitatea oțelurilor de tip 12MoCr22* – Lucrările conferinței internaționale ASR SUDURA - 2005, Editura Sudura, Galați, România, septembrie 2005
- Vn5.** Gh. AMZA, D.T. CICIC, C. RONTESCU, Z. APOSTOLESCU - *Cercetări privind impactul asupra mediului a procesului de sudare manuală cu arc electric cu electrod învelit*, Conferința Sudura 2008, ISSN 1843-4738, Ed. Sudura, Cod CNCSIS 25, pag. 37...47
- Vn6.** D.T. CICIC, Gh. SOLOMON, C. RONTESCU - *Studiu privind efectele tehnicilor de recondiționare prin sudare asupra caracteristicilor îmbinărilor obținute în urma recondiționării echipamentelor din industria energetică*, Conferința Internațională Sudura 2008, Buzău, pag. 162-172, ISSN 1843-4738, Ed. Sudura, Cod CNCSIS 25 – 2008, pag. 162...172
- Vn7.** Dumitru-Titi Cicic, Gheorghe Solomon, Corneliu Rontescu, Claudiu Babis - *Cercetări privind influența zonei de prelevare a probelor pentru încercările de omologare a unei tehnologii de sudare MAG – mecanizat*, Conferința ASR: Sudura 2011-Tradiție și artă în construcția echipamentelor energetice, Reșița, ISSN 1843-4738, Ed. Sudura, Cod CNCSIS 25, pag. 207...220
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- Vn8.** Sl. Dr. Ing. Dumitru Titi CICIC, Sl. Dr. Ing. Corneliu Rontescu, Prof. Dr. Ing. Gheorghe Solomon, Prof. Dr. Ing. Gabriel Iacobescu, *Cercetări privind influența parametrilor de calcinare asupra conținutului de hidrogen difuzibil la sudarea cu electrozi înveliți*, Conferința ASR: Sudura 2013, București, **ISSN 1843-4738**, Ed. Sudura, Cod CNCSIS 25, pag. 115...126,
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http://asr.ro/images/conferinte/bucuresti_2013/Program%20Conferinta.pdf
- Vn9.** Sl. Dr. Ing. Corneliu Rontescu, Sl. Dr. Ing. Dumitru Titi CICIC, Prof. Dr. Ing. Gheorghe Solomon, Prof. Dr. Ing. Gabriel Iacobescu - *Influența gazului de protecție utilizat la sudarea MIG/MAG asupra caracteristicilor geometrice ale îmbinărilor sudate*, Conferința ASR: Sudura 2013, București, ISSN 1843-4738, Ed. Sudura, Cod CNCSIS 25, pag. 143...150,
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http://asr.ro/images/conferinte/bucuresti_2013/Program%20Conferinta.pdf
- Vn10.** Prof.dr.ing. Gheorghe AMZA, Ing. Maria DRAGOMIR GROZA, Ing. Sanda Liana PAISE, S.l.dr.ing. Corneliu RONTESCU, S.l. dr. ing. Dumitru Titi CICIC, S.l.dr.ing. Zoia APOSTOLESCU - *Contribuții privind mecanismul formării substanțelor poluante la procedeul de sudare sub strat de flux*, Conferința ASR: Sudura 2013, București, ISSN 1843-4738, Ed. Sudura, Cod CNCSIS 25, pag. 80...89,
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V. BREVETE DE INVENȚIE / INOVAȚII (B,A)

B - Brevete de invenție.

- B1** **Brevet invenție Nr. 125968/28.02.2014**, "Procedeu și dispozitiv pentru sudare orbitală" inventatori : G. Garleanu, C. Rontescu, D.T. Cicic, D. Garleanu, Indexat ISI,
https://apps.whoofknowledge.com/full_record.do?colName=DIIDW&recordID=2011B57060&log_event=no&page=1&qid=1&log_event=yes&viewType=fullRecord&SID=X1JkyDNQHJV1HQgYW79&product=UA&doc=12&search_mode=GeneralSearch

A - Inovații și alte creații.

VI. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE (P,F)

Contract	Funcția	Perioada
Proiecte internaționale		
Pi1 - 2012-1-ES1-LEO05-48228 -, Transfer of Best Practice & Innovation in CAD for Logistic Stakeholders” LOGICAD, http://www.logicadproject.eu/	Expert CAD/CAM	2012 - 2014
Pi2 – Contract nr. 2014-IDE02-KA202-001635, Expert in Nanotechnology Exploitation - ENEX - http://www.enex-nano.com/	Expert nanotehnologii	2014-2016
Pi3 – 2016-1-RO01-KA202-024493 - Circular Economy Digital Training Toolbox to foster Innovative Green Entrepreneur-Eng@ge, www.engage-ce.eu	Colaborator	2016-2018
Pi4 - Nr. 2016-1-RO01-KA202-024508 - A Digital Training Toolbox for Fostering European Experts in Welding Technologies, ERASMUS+, http://www.erasmusplus.ro/library/VET/2016/KA2/VET_centralizator_comitet%20KA2_2016.pdf , www.camis.pub.ro/euweld/	Director	2016-2018
Pi5 - 2017-1-MT01-KA204-026949 - Virtual & Augmented Reality Trainers Toolbox to Enable Adults Catch Up With Life Skills, https://sites.google.com/view/erasmusvita/home - VITA	Colaborator	2017-2019
Pi6 - 2017-1-RO01-KA202-037083 - EduDRONE- Drone technology training to boost EU entrepreneurship and Industry 4.0., https://www.edudrone-project.eu/	Colaborator	2017-2019
Pi7 - 2017-1-LT01- KA203-035231 - Fostering use of technical spaces in	Colaborator	2017-2019

higher education (HEI MAKERS)		
P18 - EY-COP-0001 Glogal Digital Maufacturing Industry 4.0 Joint Curriculum and Research (MAGIC)	Colaborator	2018-2020
Proiecte naționale		
Pn.1 Contract 1479/2003 , Linie tehnologică pentru obținerea plaselor metalice	Colaborator	2003-2004
Pn.2 Contract 1772/2003 , Tehnologie de sudare cu arc electric sub apa in mediu de gaze protectoare	Colaborator	2003-2004
Pn.3 Contract Nr. 238/2004 – Programul INFRAS - Laborator pentru încercări construcții sudate – SUDOTEST , http://www.eramet.ro/07_contracte_nationale.pdf (poziția 42)	Colaborator	2004-2005
Pn.4 CEEEX 098/2005 - Cercetări fundamentale și aplicative privind realizarea bronzurilor cu 12-15% staniu destinate obținerii unor straturi antifricțiune – BRONZIV , http://www.eramet.ro/07_contracte_nationale.pdf (poziția 22)	Colaborator	2005-2007
Pn.5 CEEEX 099/2005 - Cercetări inovative privind realizarea unor noi materiale pentru sudare și procese de producție – MATAVSUD , http://www.eramet.ro/07_contracte_nationale.pdf (poziția 23)	Colaborator	2005-2007
Pn.6 CEEEX Nr. 116/2005 - Tehnologii inovative de creștere a disponibilității utilajelor pentru reabilitarea drumurilor (terasiere) prin utilizarea elementelor modulate, încărcate cu straturi dure prin sudare – DURASTRADE , http://www.eramet.ro/07_contracte_nationale.pdf (poziția 21)	Colaborator	2005-2007
Pn.7 CEEEX Nr. 114/2005 - Cercetări inovative privind valorificarea complexa a materialelor și reziduurilor organice pentru obținerea resurselor alternative regenerabile de energie în instalații adaptate pentru mediul rural – RARENERG , http://www.eramet.ro/07_contracte_nationale.pdf (poziția 41)	Colaborator	2005-2007
Pn.8 CEEEX Nr. 077/2005 - Cercetări fundamentale și aplicative privind creșterea eficienței energetice și reducerea poluării prin realizarea sistemelor de ardere autocarburante la cazanele de mare putere – AUTOCARB , http://www.eramet.ro/07_contracte_nationale.pdf (poziția 24)	Colaborator	2005-2007
Pn.9 Contract CEEEX Nr. 298/2006 - Materiale și tehnologii inovative pentru creșterea durabilității elementelor active din componența echipamentelor tehnice utilizate în agricultură - DURAG , http://www.eramet.ro/07_contracte_nationale.pdf (poziția 18)	Colaborator	2006-2008
Pn.10 Contract NR. 24/25.09.2006 , COD CNC SIS NR. 71, Platforma de formare și cercetare interdisciplinară pentru evaluarea calității materialelor și produselor Q-VMAT , http://uefiscdi.gov.ro/userfiles/file/platforme/rezultate_platforme.pdf (poziția 24)	Colaborator	2006-2008
Pn.11 CEEEX Nr. 322 /2006 - Cercetări fundamentale și aplicative privind realizarea bronzurilor CuNiAl destinate recondiționării elicelor navale – ELNAV , http://www.eramet.ro/07_contracte_nationale.pdf (poziția 20)	Colaborator	2006-2008
Pn.12 Contract Nr. 122/2006 – RENAR - Laborator pentru încercări metalografice, LAMET , http://www.eramet.ro/07_contracte_nationale.pdf (poziția 40)	Responsabil managementul calității	2006-2008
Pn.13 Contract Nr. 71-132 / 2007- PNCD2/Parteneriate - Sudarea cu laser a capsulelor pentru surse radioactive – LASERCAP , http://www.eramet.ro/07_contracte_nationale.pdf (poziția 36)	Colaborator	2007-2009
Pn.14 Contract Nr. 71-118 / 2007 - PNCD 2/Parteneriate - Nanomateriale de adaos microaliate pentru îmbinarea materialelor ceramice – NANOCERAD , http://www.eramet.ro/07_contracte_nationale.pdf (poziția 37)	Colaborator	2007-2009
Pn.15 Contract PNCDI Nr. 71014 /2007 - Realizarea in sistem modular a snecurilor utilajelor de extruziune din industriile prelucratoare – SENMELC , Colaborator, 2007-2009 http://www.eramet.ro/07_contracte_nationale.pdf (poziția 9)	Colaborator	2007-2009
Pn.16 Contract 72216 / 2008 - Tehnologie de depunere prin sudare hibrida Laser-MIG cu pulberi – LASERDEP http://www.eramet.ro/07_contracte_nationale.pdf (poziția 4)	colaborator	2008-2011
Pn.17 POSDRU/108/2.3/G/80719 - Calificare pentru o șansă în plus pe piața muncii!, http://www.alegesatecalifici.ro/despre-proiect	Expert pe termen lung	2011-2012
Pn.18 POSDRU/86/1.2/S/61690 - Educație și formare profesionala in sprijinul creșterii calitatii invatamantului prin initierea unor noi programe de licenta si masterat in domeniul sanatate si securitate in munca, http://www.proiecte-structurale.ro/12-Invatamant-superior/Educatie-si-formare-	Expert pe termen scurt	01.04.2013-30.09.2013

profesionala-in-sprrijinul-cresterii-calitatii-invatomantului-prin-initierea-unor-noi-programe-de-licenta-si-masterat-in-domeniul-sanatate-si-securitate-in-munca--pID4460.html		
Pn.19 POSDRU/153/1.1/S/138269 – Elevi mai performanti, parinti implicate! (Elevi mai performanti, parinti implicati – TIC in stiinte si tehnologii), http://arhiva.fonduri-structurale.ro/Document_Files//Stiri/00014790/3w8ye_153.pdf	Responsabil program formare	2014
Pn.20 POSDRU/153/1.1/S/137898 – Competențe cheie pentru un bacalaureat de succes!, http://arhiva.fonduri-structurale.ro/Document_Files//Stiri/00014790/3w8ye_153.pdf https://proiectid138269.wordpress.com/	Expert pe termen lung	2014-2015
Pn.21 Proiect ID 125723- " ACTIV pe Piața Muncii: Abilități și Competențe Tehnice pentru Integrare și Valorificare pe Piața Muncii"-, http://www.specialistactiv.ro/	Expert pe termen scurt	2015
Pn.22 Contract nr. 33/26.09.2016 – Sistem si metoda de printare 3D folosind materiale maleabile (P3DM), UPB-GEX, http://www.imst.pub.ro/Upload/Cercetare/IMST_Rezultate_finale_granturi.pdf	Colaborator	26.09.2016-22.09.2017
Pn.23 Contract nr. 32/26.09.2016 - Dezvoltarea de soluții alternative pentru repararea prin sudare a produselor de tip "recipient" utilizate în industria energetică și chimică, fără tratamente termice post reparație, UPB-GEX, http://www.imst.pub.ro/Upload/Cercetare/IMST_Rezultate_finale_granturi.pdf	Colaborator	26.09.2016-22.09.2017
Pn.24 Proiect PN-III-P2-2.1-CI-2018-0987 166CI/2018 Printare 3D pentru industria de tehnica de calcul – P3DIT	Colaborator	2018
Pn.25 Contract nr. 31/26.09.2016 - Recondiționarea protezelor și a instrumentelor medicale realizate din titan sau aliaje de titan, UPB-GEX http://www.imst.pub.ro/Upload/Cercetare/IMST_Rezultate_finale_granturi.pdf	Director	26.09.2016-22.09.2017
Pn.26 Contract 244CI - PN-III-P2-2.1-CI-2018-1413 - Utilizarea recondiționării prin sudare în industria medicală, finanțat de către UEFISCDI, grant obținut prin competiție	Director	01.09.2018-031.12.2018
Contracte cu diverși agenți economici		
C1. Contract Nr.53/14.11.2003 - Cercetări teoretice si experimentale privind fisurarea elementelor de alimentare cu apa ale reactorului MR101B de la secția ACN2 a Combinatului S.N.P. ARPECHIM PITESTI	Colaborator	2003-2004
C2. Contract Auto Chassis International , La détermination de la qualité des cordons de soudure procède MAG, Essieu, B- plateformes – Pitesti,	Colaborator	01.12.2003-31.01.2004
C3. Contract nr.120/17.10.2005 ISIM Timișoara - Studiu de informare documentară privind problemele cavității și fisurării la elementele rotorice ale hidroagregatelor aflate în exploatare	Colaborator	2006
C4. Contract nr.12/27.10.2006 - “Analiză prin metode nedistructive a conductelor, vaselor și țevilor, precizarea stării de uzură și instrucțiuni de lucru cu privire la remedierea neconformităților constatate”. – S.C. ALUM S.A.	Colaborator	2006-2007
C5. Contract 022/29.10.2007 - Cercetări privind natura gazelor ce apar în urma operațiilor de sudare prin topire și influența lor asupra mediului - beneficiar SC NOVA INTERMED SRL	Responsabil	2007-2008
C6. Contract nr. 309/28.03.2016 - Imperfecțiuni geometrice întâlnite la sudarea prin topire și metode de depistare a acestora – SC METINOX SRL	Director	01.04.2016-30.06.2016

Data
02.07.2019

Candidat,
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