

LISTA DE LUCRĂRI

VOICULESCU A. IONELIA - Dr./ din 1998, Profesor/ din 2005
(NUME, inițială și prenume) (anul) (Titlul didactic/echiv.) (anul)

1^o Teza de doctorat:

T1.TONOIU (VOICULESCU) IONELIA - Contribuții privind difuzia hidrogenului în oțeluri pentru structuri sudate, Universitatea Politehnica din Bucuresti, Seria P, Nr. 0001119/1998.

2^o Cărți publicate (Ca, Cb, Cc), îndrumare publicate (I1, I2 etc.), capitole publicate în volume colective, capitole teoretice redactate, sisteme de laborator funcționale etc. (D1, D2 etc.), după caz, prin care se aduc contribuții la asigurarea și perfecționarea activităților didactice/profesionale.

Ca – Cărți publicate la edituri cu ISBN

- Ca1.** G. Iacobescu, Gh. Solomon, **I.Tonoiu**, *Procedee și tehnologii speciale de sudare*, Editura BREN, ISBN 973-9427-15-4, București, 1999, 176 pag.
- Ca2.** Gh. Zgură, I.Severin **I.Tonoiu**, *Materiale compozite cu matrice metalică, tehnologii de prelucrare*, Editura Academiei Române, 2000, București, ISBN: 973-27-0729-1, 335 pag.
- Ca3.** V. Geanta, D.Bunea, N. Constantin, M. Covrig, O. Dontu, I.M. Geanta, A. Mihai, M. Plesca, C. Predescu, M. Sohaciu, R. Stefanoiu, S. Velicu., **I.Voiculescu**, *Invatamant superior european si management de cercetare, European Higher Education and Research Management*, Editura PRINTECH, 2003, Bucuresti, ISBN 973-652-713-1, 292 pag.
- Ca 4. I., Voiculescu**, *Sudarea aluminiului și a aliajelor sale*, Editura PRINTECH, 2003, București, ISBN 973-652-933-9, 249 pagini.
- Ca 5.** C.Predescu, D.Bunea, **I.Voiculescu**, N. Constantin, S. Velicu, E. Matei, I. Apostolescu, M. Tarcolea, V. Geanta, M. Sohaciu, R. Sefanoiu, C. Gurgu, *Legislație și management de mediu în Uniunea Europeană – La legislation et le Management de l’Environnement dans l’Union Europeenne* – Editura Printech, București, 2004, ISBN973-718-045-3, 212 pagini.
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- Ca 8. I., Voiculescu**, Victor Geanta, Ion Mihai Vasile, *Aliaje feroase pentru structuri sudate*, Editura BREN, ISBN 973-9427-15-4, București, 2016, 446 pag.
- Ca 9. I., Voiculescu**, Geanta, V., Stefanoiu, R., Binchiciu, H., Vida-Simiti, I., Vasiu, R. Study on Hardfaced Wear Resistant Bronze Alloy. International Symposium on Friction, Wear and Wear Protection, Aachen, Germania, April 9-11, 2008, Vol. - Friction, Wear and Wear Protection, Edited by Alfons Fisher and Kirsten Bobzin, **WILEY-VCH, Verlag GmbH, Germany, 2008, ISBN 978-3-527-32366-1, p. 610-617. Recenzii/Indexări: SCOPUS.**
- Ca 10.** M.Voicu, C.Borda, Al.Dumitrache Rujinski, M.Dumitraș, I.Grecu, M.Marinescu, A.Mincă, D.Nițoi, A.Strănutu, **I.Tonoiu**, *Tehnologia materialelor, Îndrumar de laborator*, Editura BREN, București, 1999, ISBN 973-9427-20-0, 156 pag.
- Ca 11.** V. Geantă, **I. Voiculescu**, *Tratat de obținere a materialelor metalice biocompatibile*, Ed. PRINTECH, 2018, 628 pag., ISBN:978-606-23-0845-2.
- Ca12. I. Voiculescu**, *Brazing Behaviour of Ag-Cu Filler Materials, Recent Progress in Soldering Materials, InTech-open science*, Website: <http://www.intechopen.com>, Croatia, (2017), ISBN 978-953-51-3643-9, pp. 39-61, Recenzii/Indexări: SCOPUS.

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- Cb2. Gh. Zgura, Gh.Amza, M.Voicu, **I.Tonoiu**, G.Iacobescu, *Sudarea și procedee conexe, Îndrumar de laborator*, Fascicola 2, Editura U.P.B.,1989, 140 pag.
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- Cb6. **I., Voiculescu, I. M., Vasile, E.M., Stanciu, A., Pascu, Știința și ingineria materialelor, Indrumar de laborator**, Editura LUX LIBRIS, Brasov, 2015, ISBN 978-973-131-316-0, 210 pag.

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- Ris 56.** Geanta V., **VOICULESCU I.**, Stefanoiu R., Jianu A., Milosan I., Stanciu E.M., Pascu A., Vasile I.M. Titanium Influence on the microstructure of FeCrAl alloys used for 4R generation nuclear power plants, REVISTA DE CHIMIE, Vol. 70, Issue: 2 (2019) p: 549-554, IF=1,412 (Q3) WOS:000461982200038, ISSN: 0034-7752, IDS Number: HP8ZV.
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B10. Binchiciu, H., Iovănaș, R., Geantă, V., **VOICULESCU, I.**, Binchiciu, A., Iovănaș, D., Ștefănoiu, R., Binchiciu, E. Bară compozită pentru prelucrări prin presare la cald și procedeul sau de realizare – Irremovable modular composite element, comprises rectangular pipe made of carbon or slightly alloyed steel. Patent Number: **RO125759/30.12.2011.**

B11. Binchiciu, H., Geantă, V., **VOICULESCU, I.**, Binchiciu, A., Ștefănoiu, R., Binchiciu, E., Negriu, R.M. Procedeul și instalație de obținere a unor pulberi din aliaje binare de aluminiu –magneziu destinate producerii unor piese metalice cu structură thixotropă – Process and installation for producing powders of binary aluminium-magnesium alloys meant for making metal pieces of thixotropic structure. Patent Number: **RO125770/30.12.2011.**

B12. Geantă, V., **VOICULESCU, I.**, Ștefănoiu, R., Binchiciu, H., Negriu, R.M. Prag de retenție pentru concasoarele centrifugale – Process and composite material for producing the retension aprons in centrifugal crushers. Patent Number: **RO125587/30.01.2012.**

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B13. Binchiciu, H., Geantă, V., Voiculescu, I., Ștefănoiu, R., Binchiciu, E., Negriu, R.M., Binchiciu, A. Electrode cu miez din aliaj tip 73% Fe - 17% Cr. Brevet RO125834 / 30.01.2013

Internationale

1. Vamvakas S., Binchiciu E., **Voiculescu I.**, Geanta V., Binchiciu A., Stefanoiu R., Tihanov-Tanasache D., Binchiciu H., Dinking device for habitual crystal container to contain liquids e.g. soft drinks, has flange fixed with outer side of first body and inner side of clamping device of second body, and fastening device fixed to circumference of container, (Buletin official de la propiedad intelectual, 20 junio 2017), ES 1185609-U (Spania)

6^o Proiecte de cercetare-dezvoltare-inovare: a) obținute prin competiție pe bază de contract/grant în țară / străinătate (Pn-naționale, Pi-internaționale); b) alte lucrări de cercetare-dezvoltare (F1, F2 etc.), după caz.

PROIECTE INTERNAZIONALE

- Pi1. ERBCIPACT 940192-contract COPERNICUS-94, "Amelioration des techniques de fabrication et developpement des procedes de recyclage de materiaux metallique poliphase et composites pour applications dans les industries des transports" (cooperare România-Belgia-Franța-Slovenia), (1994), Coordonator: Prof.F.Delannay (Universite Catholique de Louvain, Belge), **Colaborator**
- Pi2. Trainers formation for promotion of quality spirit in educational process, Proiect de mobilitati Leonardo Da Vinci Nr.RO/98/PL 83521/I.I.2.c, (1998), Partener De Montfort University – UK), **Responsabil economic UPB**
- Pi3. Promotion of quality spirit in educational process of initial and continuing vocational training, Proiect PILOT Leonardo Da Vinci RO/98/83554/PI/I.I.I.b./CONT. 1999 – 2000, Parteneri: De Montfort University - UK, Universite de Rennes - F, Universidade do Porto – PT, **Responsabil economic UPB**
- Pi4. Metallurgie des materiaux nucleaire - proiect **TEMPUS** JEP 9863 - 1997, Partener CEA Saclay, Franta, **Colaborator**;
- Pi5. Quality Assurance in NDT (Non-Destructive Testing)– proiect **TEMPUS** S-JEP 11351-96, ITALIA (1998), **Colaborator**;
- Pi6. Training for Improving of Managerial Skills of University Teachers. Contract Leonardo da Vinci nr. RO/2001/PL87069/EX, Aveiro, Portugalia **2004, Colaborator.**
- Pi7. SOCRATES RO BUCHAREST 11, 2004 – 2007, Universidade NOVA de Lisboa, Portugal, 28.04.2006 – 14.05. **2006, Colaborator.**
- Pi8. Centre Professionnel pour Formation Continue en Productique Moderne. Contract Leonardo da Vinci nr. RO/2000/B/F/PP141037, București, **2001, Colaborator.**
- Pi9. Training and Certification of Assessors in Welding and Non-Destructive Testing Field. Contract Leonardo da Vinci nr. RO/**2003**/91111/EX – Porto Salvo, Portugalia 2004, **Director proiect.**
- Pi10. Certification des competences dans le management de l'environnement, Certificarea competențelor în domeniul managementului de mediu. Contract Leonardo da Vinci nr. RO / 2003 / PL91110/EX – Marche-en-Famenne, Belgia, **2004, Colaborator.**
- Pi11. Training for Biomaterials Integration in Computer-aided paradigm (TICAMP). Contract Leonardo da Vinci, nr. RO / **2004** / 93006 / EX. 1.05.2006 – 12.05.2006, Universidade NOVA de Lisboa, Portugal, **Director proiect.**

PROIECTE NATIONALE (Director proiect sau responsabil UPB)

- Pn1. Cercetări privind sudarea materialelor compozite cu matrice metalică și a materialelor amorphe, Nr.836/1996, Tema A2, **Director proiect**, Ministerul Cercetării și Tehnologiei, 1995-1997, www.camis.ro.
- Pn2. Modificarea proprietăților și structurii aliajelor prin prelucrare superficială cu flux de electroni, Nr.711/1996, Act adițional nr. 843/1998/IV, **Director proiect**, Ministerul Cercetării și Tehnologiei, 1995-1998.
- Pn3. Cercetări privind dehidrogenarea termică și în câmp electric a oțelurilor, Nr.711/96, Act adițional nr. 2/96, **Director proiect**, Ministerul Cercetării și Tehnologiei, 1996-1997.
- Pn4. Cercetări privind îmbinarea materialelor ceramice, Nr.836/1996, Tema B19, **Director proiect**, Ministerul Cercetării și Tehnologiei, 1996-1998, www.camis.ro.

- Pn5. Tehnologie de sudare cu arc electric (SMAW și GMAW) a șinelor cap la cap (CF 49B – CF 49B, CF 49B – RI60, RI60-RI60), **Director proiect**, Programul RELANSIN, 2000, Contract Nr. 906/2000.
- Pn6. Tehnologie și dispozitiv pentru recondiționarea șinelor în curbă, Programul Relansin, 2000, Contract Nr. 907/2000. **Director proiect**
- Pn7. Analiza compatibilității metalurgice a aliajelor utilizate pentru imbinarea tevilor zincate prin lipire tare, ca subcontract la contractul Relansin Nr. 1166/2001 cu tema « Tehnologie novativă de realizare a procedurii de imbinare a tevilor zincate prin lipire tare », Programul Relansin, 2001, Contract colaborare Nr.1500/29.06.2001, **Director proiect**, www.camis.ro
- Pn8. Linie tehnologică pentru obținerea plaselor metalice, **Director proiect**, Programul Relansin, Contract Nr. 1479/2003.
- Pn9. Contract Auto Chassis International, La détermination de la qualité des cordons de soudure procède MAG, Essieu, B- plateformes – Pitesti, 01.12.2003- 31.01.2004, **Director proiect**.
- Pn10. Cercetari privind obținerea prin turnare a aliajelor pe bază de cobalt utilizate la fabricarea și recondiționarea utilajelor petrochimice, Faza 5, Etapa a III-a, - Program experimental de recondiționare și confecționare utilaje petrochimice folosind aliaje de tip stellite produse cu instalația pilot, UPB – CEMS, București, 2003 – **Responsabil faza**, Contract RELANSIN 1383/2001.
- Pn11. Realizarea unei familii de vergele învelite, ecologice, pentru brazarea cu aliaje de argint - **VERAG**, Contract RELANSIN 2023/2004, www.amcsit.ro, **Director proiect**
- Pn12. Laborator pentru încercări construcții sudate – **SUDOTEST**-Contract INFRAS nr. 238/2004 -2006, **Director laborator, responsabil UPB**.
- Pn13. Cercetări fundamentale și aplicative privind realizarea bronzurilor cu 12-15 % staniu destinate obținerii unor straturi antifricțiune – **BRONZINV** - Contract CEEX nr. 98 / 2005 – 2007, www.amcsit.ro **Responsabil UPB-CEMS**.
- Pn14. Cercetări inovative privind realizarea unor noi materiale pentru sudare și procese de producție – **MATAVSUD** - Contract CEEX nr. 99 / 2005 – 2007, www.amcsit.ro **Responsabil UPB-CEMS**.
- Pn15. Cercetari inovative privind valorificarea complexa a materialelor si rezidurilor organice pentru obtinerea resurselor alternative regenerabile de energie in instalatii adaptate pentru mediul rural - **RARENERG** - Contract CEEX nr. 114 / 2005, www.amcsit.ro - **Responsabil UPB-CEMS**.
- Pn16. Electrozi multistrat pentru sudarea prin rezistență electrică în puncte și linie– **ELSUD**- Contract PNCD 2 PARTENERIATE - 71-066 / 2007 – 2009, www.amcsit.ro, Responsabil UPB-CEMS.
- Pn17. Materiale și tehnologii inovative pentru creșterea durabilității elementelor active din componența echipamentelor tehnice utilizate în agricultură - **DURAG** – Contract CEEX nr. 298 /2006, www.amcsit.ro, – **Director proiect**.
- Pn18. Cercetări fundamentale și aplicative privind realizarea bronzurilor CuNiAl destinate recondiționării elicelor navale – **ELNAV** - Contract CEEX nr. 322/2006, www.amcsit.ro - **Responsabil UPB-CEMS**.
- Pn19. Tehnologii inovative de creștere a disponibilității utilajelor pentru reabilitarea drumurilor (terasiere) prin utilizarea elementelor modulate, încărcate cu straturi dure prin sudare – **DURASTRADE** - Contract CEEX nr. 116 / 2005, www.amcsit.ro – **Director proiect**.
- Pn20. Laborator pentru încercări metalografice - **LAMET** – Contract RENAR nr. 122/2006, www.bizoo.ro/firma/lamet, **Director laborator, Director proiect**.
- Pn21. Tehnologii inovative de obținere din materiale compozite cu proprietăți dirijate a lagarelor de alunecare pentru industria auto – **TOMCD**- Contract PNCD 2, PARTENERIATE, Nr. 71-048/2007 www.cnmp.ro:8083/pncdi2/program4/competitie/main/index..www.sudotim.ro/programe_parteneriat_sudotim.html, **Responsabil UPB - CEMS**.
- Pn22. Sudarea cu laser a capsulelor pentru surse radioactive – **LASERCAP** - Contract PNCD 2 PARTENERIATE 71-132 / 2007, [PN2_IFINHH_2009](http://www.sudotim.ro/programe_parteneriat_sudotim.html), **Responsabil UPB**.
- Pn23. Formarea prin pulverizare a electrozilor compoziți, utilizați pentru depuneri dure și sudare în puncte – **PULVER** – Contract PNCD 2 INOVARE 57/2007, www.sudotim.ro/programe_parteneriat_sudotim.html, www.upb-cems.ro/html/cercetare.html, **Responsabil UPB**.
- Pn24. Nanomateriale de adaos microaliate pentru imbinarea materialelor ceramice – **NANOCERAD**, Contract PNCD 2 PARTENERIATE 71-118 / 2007, www.slideshare.net/parlitul/prezentare-71118, www.infim.ro/national-projects.htm, **Responsabil UPB**.
- Pn25. Instalatie ecologica pentru prelucrarea deseurilor menajere – **ECOMAG** - Contract PNCD 2 INOVARE 112/2007, www.upb-cems.ro/html/cercetare.html, www.sudotim.ro/programe_parteneriat_sudotim.html, **Director proiect UPB-CEMS**.
- Pn26. Ciocane ranforsate cu deseuri recuperabile de carburi pentru mori de macinare – **MILHAM**, Contract PNCD 2 PARTENERIATE nr. 72-218/01.10.2008, www.sudotim.ro/programe_parteneriat_sudotim.html, www.slideshare.net/parlitul/prezentare-contract-72218, **Responsabil UPB**;
- Pn27. Tehnologie de depunere prin sudare hibrida Laser-MIG cu pulberi – **LASERDEP**, Contract PNCD 2/PARTENERIATE, nr.72-216/2008, www.cnmp.ro:8083/pncdi2/program4/documente/2010/sedinta/, www.sudotim.ro/programe_parteneriat_sudotim.html, **Director proiect**;
- Pn28. Materiale si tehnologii performante destinate realizarii cutitelor de freza pentru asfalt - **MATFREZ**. Contract PARTENERIATE-PCCA, nr. 188/2012, www.sudotim.ro/pdf/WEBRaportStiintificRST.pdf, **Responsabil UPB**

PROIECTE NATIONALE (Colaborator)

- F1. Tehnologie de sudare cu arc electric sub apă în mediu de gaze protectoare, UPB – CAMIS, Programul RELANSIN, Contract 1772/2003-2005, **Colaborator**
- F2. Sistem expozițional pentru prezentarea realizărilor din cadrul programului Relansin, UPB – CEMS, București, 2003, Programul Relansin, Contract Nr. 1479/2001, **Colaborator**

- F3. Realizarea coliviilor de rulmenți din materiale compozite Al/Grafit, UPB – CEMS, București, 2002, Programul Relansin, Contract Nr. 857/2000, **Colaborator**
- F4. Studiu documentar privind locul de inițiere a impurificării oțelului pe fluxul de fabricație a bramelor turnate continuu, partener UZINSIDER Engineering S.A. Galați, Contract CEMS – 2001, **Colaborator**
- F5. Realizarea și implementarea lăncilor răcite cu apă în vederea modificării procesului tehnologic de obținere a cuprului și optimizării randamentelor metalurgice, UPB – CEMS, 2003, Programul Relansin, Contract Nr. 1700/2003, **Colaborator**
- F6. Cercetari privind obținerea prin turnare a aliajelor pe bază de cobalt utilizate la fabricarea și recondiționarea utilajelor petrochimice, UPB – CEMS, București, 2003, Programul RELANSIN, Contract 1383/2001, **Colaborator**
- F7. Cercetari teoretice si experimentale privind fisurarea elementelor de alimentare cu apa ale reactorului MR101B de la sectia ACN2 a Combinatului S.N.P. ARPECHIM Pitesti, Contract Nr. 53/14.11.2003, **Colaborator**
- F8. Sistem calbru 60mm pentru difuzarea materialelor tiparite, Academia Tehnica Militara, Contract Relansin Nr.1635/2002, **Colaborator**
- F9. Realizarea si implementarea cuptoarelor de incalzire pentru produse mici, de serie mare, supuse operatiilor de matritare – **CUPTINC**, Contract RELANSIN 2101/2004, www.upb-cems.ro/html/cercetare.html, **Colaborator**;
- F10. Cercetari inovative privind valorificarea complexa a materialelor si reziduurilor organice pentru obtinerea resurselor alternative regenerabile de energie in instalatii adaptate pentru mediul rural - **RARENERG**, Contract CEEX 114/2005, www.sudotim.ro/programe_parteneriat_p2_sudotim.html, www.upb-cems.ro/html/cercetare.html, **Colaborator**
- F11. Cercetări fundamentale și aplicative privind creșterea eficienței energetice și reducerea poluării prin realizarea sistemelor de ardere autocarburante la cazanele de mare putere – **AUTOCARB**. Contract CEEX nr. 077/2005 - 2007 - **Colaborator**.
- F12. Cercetari fundamentale si aplicative privind transferul intensiv al energiei termice in cuptoare destinate obtinerii produselor ceramice de inalta refractaritate – **CUPCERAM**. Contract CEEX nr. 299/2006 – 2008, www.upb-cems.ro/html/cercetare.html, www.amcsit.ro/amcsit.old/contractare_ceex_2006/con..., **Colaborator**.
- F13. Cercetari fundamentale si aplicative privind obtinerea produselor tubulare din oteluri de calitate superioara in vederea reducerii costurilor si ecologizarii productiei – **TUBOTEL**. Contract CEEX nr. X2C22/2006 – 2008, www.cnmp.ro/ceex/comp1_2006/oferta.php?id=10249, www.upb-cems.ro/html/cercetare.html, **Colaborator**.
- F14. Cercetari privind elaborarea unei tehnologii romanesti de co-combustie: biomasa-carbune – **BIOCARB** - Contract CEEX nr. 158/2006, www.cnmp.ro/ceex/comp1_2006/oferta.php?id=1503, **Colaborator**.
- F15. Tehnologii inovative pentru realizarea de elemente modulate destinate fabricării sculelor pentru deformări plastice – **ELMOD** - Contract PNCD 2 PARTENERIATE 71-039/2007, www.cnmp.ro:8083/pncdi2/program4/competitie/main/index..., www.sudotim.ro/index.html, **Colaborator**.
- F16. Cercetari inovative privind realizarea și implementarea în agregatele termice industriale a unor noi atenuatoare de zgomot in vederea reducerii poluării sonore generate de esaparea in atmosferă de gaze sau abur – **POLSON** - Contract CEEX nr. 77 / 2005 – 2007, **Colaborator**.
- F17. Material și tehnologie pentru fabricarea sculelor încărcate prin sudare intens solicitate la temperaturi ridicate – **INCASUD**. Contract INVENT nr. 196/2005, www.sudotim.ro/rezultate_cercetare_dezvoltare_sudotim.html- **Colaborator**.
- F18. Materiale novative cu structură amorfă pentru brazare destinate aplicațiilor industriale speciale – **NOVABRAZ** - Contract CEEX nr. 221/2006, www.upt.ro/cercetare/pdf/PROGRAME_FINANTATE_DIN_FONDURI..., **Colaborator**.
- F19. Materiale noi biocompatibile pentru implantologie ortopedica - **BIOCOB** – Contract CEEX nr. 223/2006, www.metav-cd.ro/html/proiecte/index.php?proj=biocob, **Colaborator**.
- F20. Cercetari fundamentale si aplicative privind prelucrarea cu jet de apa si particule abrazive orientate electromagnetic – **ELMAJET** - Contract CEEX nr. 256/2006, www.cnmp.ro/ceex/comp1_2006/oferta.php?id=2052, www.amcsit.ro/amcsit.old/contractare_ceex_2006/con..., www.sudotim.ro/programe_parteneriat_sudotim.html, **Colaborator**.
- F21. Solutii novative privind depoluarea termica, separarea si captarea CO2 din gazele arse rezultate din procesele termice industriale – **DEPOLTERCHIM** - Contract PNCD 2 PARTENERIATE 21-016 / 2007, www.upb-cems.ro/html/cercetare.html, www.cnmp.ro:8083/pncdi2/program4/documente/rez_final/D2..., **Colaborator**.
- F22. Realizarea in sistem modular a snecurilor utilajelor de extruziune din industriile prelucratoare – **SENMELC** - Contract PNCD 2 PARTENERIATE 71-014 / 2007, www.slideshare.net/parlitul/realizarea-in-sistem-modular.., www.sudotim.ro/programe_parteneriat_sudotim.html, **Colaborator**.
- F23. Tehnologii si materiale inovative pentru fabricarea pieselor de uzura destinate productiei de automobile – **TEMIPUPA** - Contract: PNCD 2 PARTENERIATE 71-061 / 2007, www.sudotim.ro/programe_parteneriat_sudotim.html, www.upb-cems.ro/html/cercetare.html, **Colaborator**.
- F24. Realizarea prin thixotropizare si injectare directa in matrita a pieselor complexe destinate echipamentelor electronice si de comunicatii – **THIXINJECT** - Contract PNCD 2 INOVARE 72/2007, www.sudotim.ro/cercetare_dezvoltare_sudotim.html, **Colaborator**.
- F25. Materiale noi si tehnologii inovative pentru cresterea rezistentei la oboseala si coroziune a pieselor de uzura – **MICROPU** - Contract PNCD 2 INOVARE 95/2007, www.sudotim.ro/programe_parteneriat_sudotim.html, www.upb-cems.ro/html/cercetare.html, **Colaborator**.
- F26. Nou material compozit Al-Bazalt utilizat la producerea de piese rezistente la uzura - **MATCOMALBAZ**, Contract INOVARE, nr. 145/2008, www.upb-cems.ro/html/cercetare.html, **Colaborator**
- F27. High toughnes nanoprecipitate microalloyed steels – **ToughNanoMicrAl**. Contract PARTENERIATE-PCCA, nr. 170/2012, www.metav-cd.ro/html/proiecte/index.php?proj=ToughNanoMicrAl, **Colaborator**
- F28. Composite structures resistant at dynamic loadings applied with high deformation speeds used in the field of collective protection – **HEAMIL**. Contract PARTENERIATE-PCCA, nr. 209/2012, www.cndi.ro/wp-content/uploads/2012/06/T2-D8.pdf, **Colaborator**

- F29. Aliaje inovative din aluminuri de titan și acoperiri de protecție pentru temperaturi înalte, pentru reducerea poluării în producerea de energie și transporturi -(**HOTCOAT**)”, ID: Parteneriate 2012, contract 65/2014, **Colaborator**.
- F30. Materiale metalice avansate pentru noile generații de centrale nucleare, 4R – **NUCLEARMAT** – PCCA contract nr. 243/2014, **Colaborator**
- F31. Soluții inovative de realizare prin autoformare a modelelor pentru turnarea pieselor de serie mică și unicate, **AUTOFORMODEL**” Contract 72–203/2008, **Colaborator**
- F32. Aliaj refractar rezistent la coroziune X10 NiCrAlTi 32 20 – **NonCoro** / PNIII – contract PTE 48/2016, colaborator;
- F33. Instalatie pentru obtinerea prin levitatie in atmosfera inerta a aliajelor bio-compatibile usoare de inalta puritate – **BIOLEV** PTE 14/2016, colaborator.

7^o Creații artistice prezentate la manifestări recunoscute (A1, A2 etc.), precum și, după caz, alte lucrări similare - articole/studii publicate în volumele unor manifestări științifice naționale, lucrări prezentate la diferite seminarii/expoziții și nepublicate (E1, E2 etc.) etc.

- E 15. Geantă, V., **Voiculescu, I.**, Ștefănoiu, R., Taca, M., Daisa, D.D. Researches on the structure and properties of micro-alloyed steels obtained in VIM and VAR units. ESD-P3-08 – Energy and Sustainable Development. 19-th International Vacuum Congress, Paris, France, September 9-13, 2013, p. 156.
- E14. **Voiculescu, I.**, Iovanas, R., Geanta, V., Binchiciu, H. Study on the characteristics of hardfacing weld using the carbide composite core wire - **Abstract**. Materials Science and Engineering Congress MSE-2008, 1-4 September 2008, Nurnberg, Germany, C14-651, p.45.
- E13. **Voiculescu, I.**, Geanta, V., Binchiciu, H., Ștefănoiu, R. Study on Weld Metal Dilution Using the Composite Core Electrode - **Abstract**. Materials Science and Engineering Congress MSE-2008, 1–4 September 2008, Nurnberg, Germany, C14-382, p.45.
- E12. **Voiculescu, I.**, Geanta, V., Binchiciu, H., Vasii, R. Study on Hardfaced Wear Resistant Bronze Alloy - **Abstract**. International Symposium on Friction, Wear and Wear Protection, 9-11 Mai 2008, Aachen, Germany, A5, p.42.
- E11. **Voiculescu, I.**, Geanta, V., Binchiciu, H., Vasii, R. Effect of Buffer Layers Composition on the Controlling Weld Metal Dilution and Distorsion - **Abstract**. European Congress on Advanced Materials and Processes, EUROMAT 2007, 10-13 September 2007, Nurnberg, Germany, C22-2172, p.69.
- E10. Ștefănoiu, R., Geantă, V., **Voiculescu, I.** Experimental Researches Regarding the Variation of the Liquid Steel Mixing Time at Inert Gas Injection - **Abstract**. 12-th International Metallurgy-Materials Congress and Fair, 28 September – 02 October 2005, Istanbul, Türkiye, Abstracts Book, p.8.
- E09. Ștefănoiu, R., Geantă, V., **Voiculescu, I.** The Macroscopic Characterization by Modeling of the Plume Zone Created Inside the {Inert Gas} – [Metallic Melt] Bi-Phase System - **Abstract**. European Congress on Advanced Materials and Processes, EUROMAT 2005, 5-8 September 2005, Prague, Czech Republic, E52-399, p.86.
- E08. Ștefănoiu, R., Geantă, V., **Voiculescu, I.** Modelling of the Solid-Liquid Mass Transfer in Gas Stirred Systems - **Abstract**. EUROMAT 2003, Lausanne, Switzerland, 2003, p.56.
- E07. Geantă, V., Ștefănoiu, R., **Voiculescu, I.** The Cinematic Viscosity Determination of Some Ferrous Metallurgical Melts from the Fe-Cr-C Systems - **Abstract**. 7-th European Conference on Advanced Materials and Processes EUROMAT 2001, Rimini, Italy, June 10-14, 2001, p.417.
- E06. **Voiculescu, I.**, Geantă, V. The Electric Field Effect on the Hydrogen Diffusion in Mild Steel - **Abstract**. 7-th European Conference on Advanced Materials and Processes EUROMAT 2001, Rimini, Italy, June 10-14, 2001, p.175.
- E05. **Voiculescu, I.**, Geantă, V., Stoenescu, R. Friction Welding of Aluminium Matrix Composites - **Abstract**. European Conference Junior Euromat 2000, August 28-September 1, 2000, Lausanne, Switzerland, p.389.
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06.04.2019