

LISTA LUCRĂRILOR PUBLICATE

2021

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Lista contractelor de cercetare

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Granturi naționale:

- [1] **Tehnologii de fabricare inteligente pentru productia avansata a pieselor din industriile de automobile si aeronautica, PN-III-P1-1.2-PCCDI-2017-0446, contract nr. 82PCCDI/2018, PNCDI III** - Programul 1 - Proiecte Complexe realizate în consorții CDI – 2017, 2018 – 2020, buget total 5.287.500 – **Responsabil IC proiect partener pentru Universitatea „Vasile Alecsandri” din Bacău**
- [2] PN II 297/2014 Tehnologii ecologice și economice pentru prelucrarea tablelor metalice folosite la realizarea blindajelor, 2014 - **membru în colectivul de cercetare**
- [3] Factori de influenta, modelarea fenomenelor specifice si optimizarea procesului de micro/milli ambutisare a tablelor metalice cu grosimi sub 0.2mm, PNII PCE 178, 2012-2014 – **membru în colectivul de cercetare.**
- [4] Modelarea pe baza analizei experimentale și prin simulare a interacțiunii dintre procesele fizice de generare a tensiunilor reziduale și revenire elastică la deformarea plastică a tablelor metalice,

Program PNII – IDEI 595/2008 - 2011 – **membru în colectivul de cercetare**

- [5] **Studiul tensiunilor reziduale, a efectelor asupra revenirii elastice a pieselor obținute prin deformarea plastică a tablelor metalice și a posibilităților de eliminare a acestor efecte, Program de excelență pentru tineri cercetători CEEEX nr. 3169/12.10.2005, 2005-2007 – director de proiect.**
- [6] **Cercetări experimentale și prin simulare privind factorii de influență ai revenirii elastice la îndoirea în U a tablelor metalice, Program CNCISIS tip Td nr. 3380/29.06.2004 – director de program.**
- [7] Modernizarea și consolidarea infrastructurii de cercetare a grupului de laboratoare de cercetare specifice deformării plastice la rece a tablelor metalice, Program PNII – Capacități nr. 115/2007 – **membru în colectivul de cercetare**
- [8] Tehnologie integrată de fabricație a pieselor realizate din table metalice subțiri, Program CEEEX 317/2006, 2006-2008 – **membru în colectivul de cercetare**
- [9] Rețea națională de cercetare în domeniul ingineriei integrate a produselor și proceselor, Program CEEEX 243/6 – 2006 – **membru în colectivul de cercetare**
- [10] O nouă tehnologie privind creșterea productivității și calității rulmenților, Program CEEEX 20/2005 – **membru în colectivul de cercetare**
- [11] Metode de simulare, modelare și producție virtuală sau digitală bazate pe tehnologia informației și comunicării (ICT) și dedicate noii generații de sisteme de prelucrare reconfigurabile, Proiect CEEEX, 2005-2007, – **membru în colectivul de cercetare**
- [12] Cercetări experimentale și prin simulare pentru determinarea tensiunilor reziduale în cazul deformării plastice la rece a tablelor metalice, Grant CNCISIS 1003/2004, 2004-2005 – **membru în colectivul de cercetare**
- [13] Studiul fenomenului de revenire elastică la ambutisarea plastică la rece a tablelor metalice, Grant CNCISIS nr. 278/2002 – **membru în colectivul de cercetare**
- [14] Studiul fenomenului de revenire elastică la îndoirea plastică la rece a tablelor metalice, Grant CNCISIS 1169/2 2001 – **membru în colectivul de cercetare**

Contracte cu parteneri industriali:

- [1] **Analiza tensiunilor reziduale din piesele turnate la SC LUFKIN Industries SRL Ploiești, Contract nr. 3/2014 cu SC SPECTROMAS SRL București, 2014 – director de proiect**
- [2] **Analiza tensiunilor reziduale din piesele turnate la SC LUFKIN Industries SRL Ploiești, Contract nr. 9/2014 cu SC SPECTROMAS SRL București, 2014 – director de proiect**
- [3] Analiza tensiunilor reziduale din piesele turnate la SC LUFKIN Industries SRL Ploiești, Contract nr. 1/2014 cu SC SPECTROMAS SRL București, 2014 – **membru în colectivul de cercetare**
- [4] Analiza tensiunilor reziduale din piesele turnate la SC LUFKIN Industries SRL Ploiești, Contract nr. 2/2014 cu SC SPECTROMAS SRL București, 2014 – **membru în colectivul de cercetare**
- [5] Analiza tensiunilor reziduale din piesele turnate la SC LUFKIN Industries SRL Ploiești, Contract nr. 4/2014 cu SC SPECTROMAS SRL București, 2014 – **membru în colectivul de cercetare**
- [6] Analiza tensiunilor reziduale din piesele turnate la SC LUFKIN Industries SRL Ploiești, Contract nr. 5/2014 cu SC SPECTROMAS SRL București, 2014 – **membru în colectivul de cercetare**
- [7] Analiza tensiunilor reziduale din piesele turnate la SC LUFKIN Industries SRL Ploiești, Contract nr. 7/2014 cu SC SPECTROMAS SRL București, 2014 – **membru în colectivul de cercetare**
- [8] Analiza tensiunilor reziduale din piesele turnate la SC LUFKIN Industries SRL Ploiești, Contract nr. 8/2014 cu SC SPECTROMAS SRL București, 2014 – **membru în colectivul de cercetare**
- [9] Analiza tensiunilor reziduale din piesele turnate la SC LUFKIN Industries SRL Ploiești, Contract nr. 10/2014 cu SC SPECTROMAS SRL București, 2014 – **membru în colectivul de cercetare**
- [10] Analiza tensiunilor reziduale din piesele turnate la SC LUFKIN Industries SRL Ploiești, Contract nr. 12/2014 cu SC SPECTROMAS SRL București, 2014 – **membru în colectivul de cercetare**
- [11] Analiza tensiunilor reziduale din piesele turnate la SC LUFKIN Industries SRL Ploiești, Contract nr. 14/2014 cu SC SPECTROMAS SRL București, 2014 – **membru în colectivul de cercetare**
- [12] Analiza tensiunilor reziduale din piesele turnate la SC LUFKIN Industries SRL Ploiești, Contract nr. 15/2014 cu SC SPECTROMAS SRL București, 2014 – **membru în colectivul de cercetare**
- [13] **Analiza tensiunilor reziduale din piesele turnate (reperele 3, 4 și 5) la SC LUFKIN Industries**

SRL Ploiești, Contract nr. 3/2013 cu SC SPECTROMAS SRL București, 2013 – director de proiect

- [14] Analiza tensiunilor reziduale din piesele turnate (reperele 1 și 2) la SC LUFKIN Industries SRL Ploiești, Contract nr. 2/2013 cu SC SPECTROMAS SRL București, 2013 – **membru in colectivul de cercetare**
- [15] **Studiul experimental și prin simulare al factorilor de influență ai fenomenului de revenire elastică la ambutisarea tablelor metalice, Contract nr. 10/2004 cu S.C. Mecanica Ceahlău S.A. Piatra Neamț, 2004 – director de proiect**
- [16] Studiul experimental si prin simulare privind factorii de influenta ai preciziei de prelucrare la ambutisarea pieselor cu pereți circulari, Contract de cercetare nr. 11/2005 cu S.C. Mecanica Ceahlău S.A. Piatra Neamț, 2005 RON – **membru in colectivul de cercetare**
- [17] Sistem de proiectare optimizata a sculelor de ambutisare, Contract de cercetare nr. 12/2004 cu S.C. Mecanica Ceahlău S.A. Piatra Neamț, 2004-2005 – **membru in colectivul de cercetare**
- [18] Optimizarea constructiva si geometrica a frezelor frontale de finisare si a regimurilor de lucru la frezarea fina a ghidajelor, Contract nr. 528/2005 cu societatea World Machinery Works S.A. Bacău, 2005 – **membru in colectivul de cercetare**