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- [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**
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- [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**
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- [10] Analiza tensiunilor reziduale din piesele turnate la SC LUFKIN Industries SRL Ploiești, Contract nr. 12/2014 cu SC SPECTROMAS SRL București, 2014 – **membru in 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 in 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 in 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**