

## LISTA LUCRĂRILOR ELABORATE ȘI PUBLICATE

Lista celor 10 lucrări considerate relevante	
1.	<b>Vlad A. CIUBOTARIU, 2014</b> , <i>Analysis of the Collapse Behaviour Regarding TWB Crash-Boxes in Conjunction with the Construction Technique</i> , Applied Mechanics and Materials, vol. 657, 2014, pg.634-638, ISSN 978-3-03835-275-4
2.	<b>Vlad A. CIUBOTARIU, Aurelian ALBUȚ, 2014</b> , <i>Impact and energy absorption of twb thin walled structures with polygonal cross-sections</i> , Advanced Materials Research, vol.1036, pg.686-691, ISBN 978-3-03835-255-6
3.	<b>Vlad A. CIUBOTARIU</b> “Crashing behavior analysis of TWB tubular structures with different cross-sections” Advanced Materials Research, vol.814, no.1, <b>2013</b> , pg.159-164, ISBN 978-3-03785-8484-6
4.	Aurelian ALBUȚ, <b>Vlad A. CIUBOTARIU</b> “Optimization of the blank holder force using genetic algorithm method in case of a U-shaped part” Key Engineering Materials – vol.549, no.1, <b>2013</b> , pg.247-252, ISBN 978-3-03785-671-0
5.	<b>Vlad A. CIUBOTARIU</b> “Crashing Behavior Analysis of TWB Thin-Walled Structures with Various Cross-Sections” Applied Mechanics and Materials, vol.371, no.1, <b>2013</b> , pg.715-720, ISSN 978-3-03785-768-1
6.	<b>Vlad A. CIUBOTARIU</b> “Crashworthiness improvement of different tubular structures using tailor welded blanks” Advanced Scientific Letters, vol. 19, no.2, <b>2013</b> , pg.578-582, ISSN 1936-6612, revistă cotate Thomson Scientific - ISI Web of Knowledge
7.	<b>Vlad A. CIUBOTARIU</b> “Crashworthiness improvement of hexagonal tubular structures by using tailor welded blanks” Danube-Adria Association for Automation & Manufacturing, vol. 23, no.1, <b>2012</b> , pg.0099-0102, ISSN 978-3-901509-91-9
8.	<b>Vlad A. CIUBOTARIU, Gheorghe BRABIE</b> “Weld line behaviour during uniaxial tensile testing of tailor welded blanks” Archives of Civil and Mechanical Engineering, vol.11, no.4, <b>2011</b> , pg.811-824, ISSN 1644-9665, revistă cotate Thomson Scientific - ISI Web of Knowledge
9.	<b>Vlad A. CIUBOTARIU</b> “Influence of the rolling direction over the level of the forming limit curve in the case of tailor welded blanks” Proceedings of The 14th International Conference: Modern Technologies, Quality and Innovation, (ModTech), vol.14, <b>2010</b> , pg.223-226, ISSN 2066-3919
10.	Gheorghe BRABIE, Bogdan CHIRITA, <b>Vlad A. CIUBOTARIU, Neculai NANU</b> “Analysis of springback and residual stresses generated by cold plastic forming in drawn round parts made from steel sheets” Metalurgia International Vol. XIV, No.12, Ed. Științifică FMR, <b>2009</b> , pg.27-34, ISSN 1582-2214, revistă cotate Thomson Scientific - ISI Web of Knowledge

### Teza de doctorat

**Vlad A. CIUBOTARIU, 2011.** “Contribuții teoretice și experimentale privind influența cordonului de sudură asupra caracteristicilor de calitate și rezistență ale componentelor realizate prin ambutisarea tablelor metalice sudate”, Coordonator științific, Prof.dr.ing. Gheorghe BRABIE, Universitatea „Vasile ALECSANDRI” din Bacău;

- susținere publică la Universitatea „Vasile ALECSANDRI” din Bacău, în 14.06.2011;
- în baza Ordinului Ministrului Educației, Cercetării, Tineretului și Sportului, nr. 6468 din 07.12.2011 a fost emisă diploma de doctor Seria H, Nr.0004719 / 28.03.2012, în **Domeniul Inginerie Industrială.**

Cărți	
Note de curs	
1.	<b>Vlad A. CIUBOTARIU, 2014.</b> <i>Proiectarea Asistată de Calculator utilizând Siemens NX – note de curs și aplicații</i> , Editura Alma Mater, Bacău
<b>Articole / studii publicate în reviste de specialitate și volume ale unor manifestări științifice</b>	
<b>Articole publicate în reviste indexate ISI</b>	
1.	<b>Vlad A. CIUBOTARIU, 2013.</b> <i>Crashworthiness improvement of different tubular structures using tailor welded blanks</i> , Advanced Scientific Letters, Volume 19, Issue 2, 1 February 2013, Pages 578-582, ISSN: 1936-6612.  Revistă indexată <b>ISI</b> conform <a href="http://ip-science.thomsonreuters.com/cgi-bin/jrnlst/jloptions.cgi?PC=SS">http://ip-science.thomsonreuters.com/cgi-bin/jrnlst/jloptions.cgi?PC=SS</a> ; F.I. <b>1.253</b> conform: <a href="http://www.aspbs.com/science.htm">http://www.aspbs.com/science.htm</a>
2.	<b>Vlad A. CIUBOTARIU, Gheorghe BRABIE, 2011.</b> <i>Weld line behaviour during uniaxial tensile testing of tailor welded blanks</i> , Archives of Civil and Mechanical Engineering, Volume 11, Issue 4, 3 May 2012, Pages 811-824, ISSN: 1644-9665.  Revistă indexată <b>ISI</b> conform <a href="http://www.sciencedirect.com/science/article/pii/S164496651260079X">http://www.sciencedirect.com/science/article/pii/S164496651260079X</a> ; F.I. <b>1.331</b> , conform: <a href="http://www.journals.elsevier.com/archives-of-civil-and-mechanical-engineering/">http://www.journals.elsevier.com/archives-of-civil-and-mechanical-engineering/</a>
3.	<b>Gheorghe BRABIE, Bogdan CHIRIȚĂ, Vlad A. CIUBOTARIU, Neculai NANU, 2009.</b> <i>Analysis of springback and residual stresses generated by cold plastic forming in drawn round parts made from steel sheets</i> , Metalurgia International, Volume 14, Issue 12, 1 January 2009, Pages 27-34, ISSN: 1582-2214.  Revistă indexată <b>ISI</b> (ultima indexare 2013) conform <a href="http://ip-science.thomsonreuters.com/cgi-bin/jrnlst/jlchange.cgi?Full=Metalurgia+International">http://ip-science.thomsonreuters.com/cgi-bin/jrnlst/jlchange.cgi?Full=Metalurgia+International</a> ; F.I. <b>0.173</b> , conform: <a href="http://www.impact-factor.org/journal/metalurgia-international.html">http://www.impact-factor.org/journal/metalurgia-international.html</a>
<b>Articole publicate în reviste indexate BDI</b>	
1.	<b>Vlad A. CIUBOTARIU, 2014,</b> <i>Collapse behavior of dynamically crashed hexagonal thin-walled structures with multi-cell cross-section geometry</i> , Journal of Engineering Studies and Research, Bacău, Volume XX, Issue 2, p. 14-19, ISSN: 2068-7559  Revistă categoria <b>BDI</b> conform <a href="http://pubs.ub.ro/?pg=revues&amp;rev=jesr&amp;sc=issues">http://pubs.ub.ro/?pg=revues&amp;rev=jesr&amp;sc=issues</a> ; <a href="http://www.cncsis.ro/">http://www.cncsis.ro/</a>
2.	<b>Vlad A. CIUBOTARIU, 2014,</b> <i>Finite element modeling of crashing behavior concerning rectangular multi-layered thin-walled structures</i> , Journal of Engineering Studies and Research, Bacău, Volume XX, Issue 1, p. 33-39, ISSN: 2068-7559  Revistă categoria <b>BDI</b> conform <a href="http://pubs.ub.ro/?pg=revues&amp;rev=jesr&amp;sc=issues">http://pubs.ub.ro/?pg=revues&amp;rev=jesr&amp;sc=issues</a> ; <a href="http://www.cncsis.ro/">http://www.cncsis.ro/</a>
3.	<b>Vlad A. CIUBOTARIU, 2014,</b> <i>Analysis of the Collapse Behaviour Regarding TWB Crash-Boxes in Conjunction with the Construction Technique</i> , Applied Mechanics and Materials, vol. 657, 2014, pg.634-638, ISSN 978-3-03835-275-4  Revistă categoria <b>BDI</b> conform <a href="http://www.ttp.net/1660-9336.html">http://www.ttp.net/1660-9336.html</a>
4.	<b>Aurelian ALBUȚ, Vlad A. CIUBOTARIU, 2014,</b> <i>The influence of the blank holder force on material thinning during forming of a rectangular part made from tailor welded blanks</i> , Advanced Materials Research, vol.1036, pg.344-348, ISBN 978-3-03835-255-6  Revistă categoria <b>BDI</b> conform <a href="http://www.ttp.net/1022-6680.html">http://www.ttp.net/1022-6680.html</a>

5.	<p><b>Vlad A. CIUBOTARIU</b>, Aurelian ALBUȚ, <b>2014</b>, <i>Impact and energy absorption of twb thin walled structures with polygonal cross-sections</i>, Advanced Materials Research, vol.1036, pg.686-691, ISBN 978-3-03835-255-6</p> <p>Revistă categoria <b>BDI</b> conform <a href="http://www.ttp.net/1022-6680.html">http://www.ttp.net/1022-6680.html</a></p>
6.	<p><b>Vlad A. CIUBOTARIU</b>, <b>2013</b>, <i>Crashing behavior analysis of TWB tubular structures with different cross-sections</i>, Advanced Materials Research, vol.814, no.1, pg.159-164, ISBN 978-3-03785-8484-6</p> <p>Revistă categoria <b>BDI</b> conform <a href="http://www.ttp.net/1022-6680.html">http://www.ttp.net/1022-6680.html</a></p>
7.	<p>Aurelian ALBUȚ, <b>Vlad A. CIUBOTARIU</b>, <b>2013</b>, <i>Optimization of the blank holder force using genetic algorithm method in case of a U-shaped part</i>, Key Engineering Materials – vol.549, no.1, pg.239-246, ISBN 978-3-03785-671-0</p> <p>Revistă categoria <b>BDI</b> conform <a href="http://www.ttp.net/1013-9826.html">http://www.ttp.net/1013-9826.html</a></p>
8.	<p><b>Vlad A. CIUBOTARIU</b>, <b>2013</b>, <i>Crashing Behavior Analysis of TWB Thin-Walled Structures with Various Cross-Sections</i>, Applied Mechanics and Materials, vol.371, no.1, pg.715-720, ISSN 978-3-03785-768-1</p> <p>Revistă categoria <b>BDI</b> conform <a href="http://www.ttp.net/1660-9336.html">http://www.ttp.net/1660-9336.html</a></p>
9.	<p>Ionel OLARU, Aurelian ALBUȚ, <b>Vlad A. CIUBOTARIU</b>, <b>2012</b>, <i>Consideration about Formability of Bimetal Brazing Joints</i>, Journal of Engineering Studies and Research, Bacău, Volume XVIII, Issue 2, p. 84-87, ISSN: 2068-7559</p> <p>Revistă categoria <b>BDI</b> conform <a href="http://journals.indexcopernicus.com/Journal+of+Engineering+Studies+and+Research,p527,3.html">http://journals.indexcopernicus.com/Journal+of+Engineering+Studies+and+Research,p527,3.html</a></p>
<b>Articole / studii publicate în volume ale unor manifestări științifice internaționale</b>	
1.	<p><b>Vlad A. CIUBOTARIU</b>, <b>2012</b>, <i>Crashworthiness improvement of hexagonal tubular structures by using tailor welded blanks</i>, Danube-Adria Association for Automation &amp; Manufacturing (DAAAM International), vol. 23, no.1, pg.0099-0102, ISSN 978-3-901509-91-9</p> <p>Manifestare științifică internațională <a href="http://daaam.info/?page_id=5801">http://daaam.info/?page_id=5801</a></p>
2.	<p><b>Vlad A. CIUBOTARIU</b>, <b>2012</b>, <i>Analysis of stress distribution on the drawn U channel parts made from TWB as a function of blank holder force</i>, Proceedings of Modern Technologies, Quality and Innovation (Modtech), vol.16, no.1, pg.209-212, ISSN 2069-6736</p> <p>Manifestare științifică internațională <a href="http://www.modtech.tuiasi.ro/">http://www.modtech.tuiasi.ro/</a></p>
3.	<p><b>Vlad A. CIUBOTARIU</b>, <b>2012</b>, <i>Weld-line behavior in the case of deformed TWBs using formability tests</i>, Proceedings of Modern Technologies, Quality and Innovation (Modtech), vol.16, no.1, pg.205-208, ISSN 2069-6736</p> <p>Manifestare științifică internațională <a href="http://www.modtech.tuiasi.ro/">http://www.modtech.tuiasi.ro/</a></p>
4.	<p>Aurelian ALBUȚ, <b>Vlad A. CIUBOTARIU</b>, Crina RADU, Ionel OLARU, <b>2012</b>, <i>Optimization of the forming process in the case of a square shaped part made from tailor welded blanks</i>, Proceedings of Modern Technologies, Quality and Innovation (Modtech), vol.16, no.1, pg.13-16, ISSN 2069-6736</p> <p>Manifestare științifică internațională <a href="http://www.modtech.tuiasi.ro/2012/">http://www.modtech.tuiasi.ro/2012/</a></p>

5.	<b>Vlad A. CIUBOTARIU, 2011</b> , <i>Analysis of the weld line influence on mechanical properties of twb based on emitted thermal energy</i> , Proceedings of Modern Technologies, Quality and Innovation (Modtech), vol.15, pg.253-256, ISSN 2069-6736  Manifestare științifică internațională <a href="http://www.modtech.tuiasi.ro/2011/">http://www.modtech.tuiasi.ro/2011/</a>
6.	<b>Vlad A. CIUBOTARIU, 2010</b> , <i>Influence of the rolling direction over the level of the forming limit curve in the case of tailor welded blanks</i> , Proceedings of The 14th International Conference: Modern Technologies, Quality and Innovation, (ModTech), vol.14, pg.223-226, ISSN 2066-3919  Manifestare științifică internațională <a href="http://www.modtech.tuiasi.ro/2010/papers.php">http://www.modtech.tuiasi.ro/2010/papers.php</a>
<b>Lucrări / studii prezentate la manifestări științifice naționale/internaționale sub formă de conferință orală sau poster</b>	
1.	Gheorghe BRABIE, <b>Vlad A. CIUBOTARIU</b> , Neculai NANU, Augustin JITARU , <b>2013</b> , <i>Temperature rise particularities during uniaxial-tensile testing of titanium alloy sheets</i> , The Xth International Conference of Constructive and Technological Design Optimization In The Machines Building Field (OPROTEH), abstract vol.1, no.1, pg.25, ISBN 978-606-527-293-4
2.	<b>Vlad A. CIUBOTARIU, 2013</b> , <i>Collapse behavior of dynamically crashed hexagonal thin-walled structures with multi-cell cross-section geometry</i> , The Xth International Conference of Constructive and Technological Design Optimization In The Machines Building Field (OPROTEH), abstract vol.1, no.1, pg.28-29, ISBN 978-606-527-293-4
3.	<b>Vlad A. CIUBOTARIU, 2013</b> , <i>Finite element modeling of crashing behavior concerning rectangular multi-layered thin-walled structures</i> , The Xth International Conference of Constructive and Technological Design Optimization In The Machines Building Field (OPROTEH), abstract vol.1, no.1, pg.27-28, ISBN 978-606-527-293-4
4.	<b>Vlad A. CIUBOTARIU, 2013</b> , <i>Crashworthiness improvement of different tubular structures using tailor welded blanks</i> , Advanced Scientific Letters, (AMSE), vol. 19, no.2, pg.578-582, ISSN 1936-6612
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6.	<b>Vlad A. CIUBOTARIU, 2010</b> , <i>The formability of TWBs and the EDX analysis technique</i> , Bulletin Of The Polytechnic Institute of Iasi (RoMAT), Vol. LVI (LX), Fasc.2 Ed. Polytehniun, pg.29-38
7.	<b>Vlad A. CIUBOTARIU, 2009</b> , <i>Integration of the requirements concerning environment protection in the architectural conception of the machine tools</i> , Optimum Technologies, Technologic Systems and Materials In The Machines Building Field, (TSTM), vol.15, No.2, pg.15-20, ISSN 1224-7499
8.	<b>Vlad A. CIUBOTARIU, 2009</b> , <i>Determination of forming limit curves (flc) for tailor welded blanks having different materials using the modified Marciniak method</i> , Optimum Technologies, Technologic Systems and Materials In The Machines Building Field, (TSTM), vol.15, No.2, pg.28-33, ISSN 1224-7499
9.	<b>Vlad A. CIUBOTARIU, 2008</b> , <i>Experimental and simulation analysis of the TWB specimens' fracture during tensile testing</i> , Optimum Technologies, Technologic Systems and Materials In The Machines Building Field, (TSTM), vol.14, No.2, pg.43-46, ISSN 1224-7499

10.	<b>Vlad A. CIUBOTARIU, 2008, <i>Influence of the weld line orientation on the mechanical properties of the tailor welded blanks</i>, Optimum Technologies, Technologic Systems and Materials In The Machines Building Field, (TSTM), vol.14, No.1, pg.24-30, ISSN 1224-7499</b>
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