



ROMÂNIA
 MINISTERUL EDUCAȚIEI NAȚIONALE
 ȘI CERCETĂRII ȘTIINȚIFICE
 UNIVERSITATEA „VASILE ALECSANDRI” DIN BACĂU
 Calea Mărășești, Nr. 157, Bacău 600115
 Tel. +40-234-542411, tel./fax +40-234-545753
www.ub.ro; e-mail: rector@ub.ro



FIȘĂ DE AUTOEVALUARE ȘI DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR UNIVERSITĂȚII „VASILE ALECSANDRI” DIN BACĂU PENTRU OCUPAREA POSTURILOR DIDACTICE

Nume prenume candidat: **TÂMPU Nicolae Cătălin**
 Post (Nr./Grad didactic): 11 / **Șef lucrări**
 Domeniul postului scos la concurs: **Inginerie Industrială**
 Departament: **I.M.M.F.**
 Facultate: **Inginerie**

| Nr. crt. | STANDARD | Autoevaluare candidat | Verificare comisie |
|-----------|--|--------------------------|-------------------------|
| | | Îndeplinire/ Punctaj | Îndeplinire/ Punctaj |
| 1. | Deținerea diplomei de doctor în domeniul postului scos la concurs | DA / 9.57 | |
| 1. | Contribuții teoretice și experimentale privind efectele tensiunilor reziduale generate prin frezare asupra calității suprafețelor prelucrate | 9.57 | |
| 2. | <ul style="list-style-type: none"> • 5 articole publicate în reviste indexate BDI, din care minim 3 ca autor principal (definit conform reglementărilor în vigoare); Lista articolelor: • 1 articol publicat într-o revistă cotate ISI (article/review/proceedings paper/book review); • 3 prezentări la conferințe internaționale. <i>Lista activităților</i> | DA /41.48 | |
| | Lucrări cotate ISI | 8 | |
| 2.1 | N.C. TÂMPU, B. CHIRIȚĂ, E. HERGHELEGIU, G. BRABIE, Influence of the cutting regime on the residual stresses generated by carbon steel milling, Indian Journal of Engineering and Materials Sciences, ISSN: 0975-1017 (Online); 0971-4588 (Print), 2014, Vol. 21(3) [June 2014], pp. 283-288, (Fi 0.413). | 3 | |
| 2.2 | RADU C., N.C. TÂMPU, B. CHIRIȚĂ, Cristea I., The Effect of Residual Stresses on the Accuracy of Parts Processed by SPIF, MATERIALS AND MANUFACTURING PROCESSES, Volume: 28 Issue: 5 Pages: 572-576, May 2013 DOI:10.1080/10426914.2013.763967, (Fi 1.629) | 5 | |
| | Proceedings ISI | 24.15 | |
| 2.3 | N.C. TÂMPU, B. CHIRIȚĂ, E. HERGHELEGIU, G. BRABIE, RADU C, Influence of the cooling liquid on surface quality characteristics in milling, MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING (MODTECH2015), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 95, Article Number: 012024, DOI: 10.1088/1757-899X/95/1/012024, Published: 2015 | 1.4 | |
| 2.4 | C. SCHNAKOVSKY, E. HERGHELEGIU, M. C. RADU, N. C. TÂMPU, The surface quality of AWJ cut parts as a function of abrasive material reusing rate, MODERN TECHNOLOGIES IN INDUSTRIAL | 2.33 | |

| Nr. crt. | STANDARD | Autoevaluare candidat | Verificare comisie |
|--------------------|--|--------------------------|-------------------------|
| | | Îndeplinire/ Punctaj | Îndeplinire/ Punctaj |
| | ENGINEERING (MODTECH2015), Book Series: IOP Conference Series- Materials Science and Engineering, Volume: 95, Article Number: 012004 DOI: 10.1088/1757-899X/95/1/012004, Published: 2015 | | |
| 2.5 | B. CHIRIȚĂ, N.C. TÂMPU, <i>Study of Residual Stresses Distribution Generated from Milling of Magnesium Alloy Parts</i> , ENGINEERING SOLUTIONS AND TECHNOLOGIES IN MANUFACTURING, Book Series: Applied Mechanics and Materials, Volume: 657 Pages: 18-22, DOI: 10.4028/www.scientific.net/AMM.657.18 Published: 2014 | 3.5 | |
| 2.6 | B. CHIRIȚĂ, N.C. TÂMPU, <i>Analysis of Surface Roughness for High Speed Milling of a Magnesium Alloy Part</i> , MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING, Book Series: Advanced Materials Research, Volume: 837 Pages: 33-38, DOI: 10.4028/www.scientific.net/AMR.837.33, Published: 2014 | 3.5 | |
| 2.7 | C. SCHNAKOVSKY, E. HERGHELEGIU, N. C. TÂMPU, <i>The Metal Sheets Processed by AWJ. Analysis of the Surface Quality</i> , MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING Book Series: Advanced Materials Research, Volume: 837 Pages: 201-205, DOI: 10.4028/www.scientific.net/AMR.837.201, Published: 2014 . | 2.33 | |
| 2.8 | N.C. TÂMPU, B. CHIRIȚĂ, RADU C, <i>Influence of the Temperature and Mechanical Stresses Generated by Milling Process in Machined Part Surfaces on their Accuracy</i> , INNOVATIVE MANUFACTURING ENGINEERING, Book Series: Applied Mechanics and Materials, Volume: 371 Pages: 59-63, DOI: 10.4028/www.scientific.net/AMM.371.59, Published: 2013 | 2.33 | |
| 2.9 | M. C. RADU, E. HERGHELEGIU, N. C. TÂMPU, I. CRISTEA, <i>The Residual Stress State Generated by Single Point Incremental Forming of Aluminum Metal Sheets</i> , INNOVATIVE MANUFACTURING ENGINEERING, Book Series: Applied Mechanics and Materials, Vol: 371 Pages: 148-152, DOI: 10.4028/www.scientific.net/AMM.371.148, Published: 2013 | 1.75 | |
| 2.10 | N.C. TÂMPU, <i>The Influence of Different Factors on Residual Stresses Distribution Induced by Milling</i> , MODTECH 2010: NEW FACE OF TMCR, PROCEEDINGS, Book Series: Proceedings of the International Conference ModTech, Pages: 615-618, Published: 2010 | 7 | |
| Lucrări BDI | | 5.33 | |
| 2.11 | N.C. TÂMPU, G.BRABIE, CHIRIȚĂ B., <i>Influence of Inserts Number on Surface Quality in Milling</i> , Applied Mechanics and Materials Vols. 809- 810 (2015) pp 177-182 (2015) Trans Tech Publications, Switzerland, doi: 10.4028 /www.scientific.net / AMM.809-810.177 | 1.33 | |
| 2.12 | N.C. TÂMPU, G.BRABIE, <i>A theoretical and experimental research on residual stresses distribution generated by successive milling</i> , International Journal of Modern Manufacturing Technologies ISSN 2067- 3604, Vol. III, No. 2 / 2012 , pag. 111-116. | 2 | |
| 2.13 | M. C RADU, E. HERGHELEGIU, C. SCHNAKOVSKY, N. C. | 1 | |

| Nr. crt. | STANDARD | Autoevaluare candidat | Verificare comisie |
|-------------------------------|--|--------------------------|-------------------------|
| | | Îndeplinire/ Punctaj | Îndeplinire/ Punctaj |
| | TÂMPU , <i>Experimental Analysis Of The Influence Of Feed Rate On Quality Of Cuts Performed By Awj</i> , Journal of engineering studies and research (JESR), ISSN 2068 – 7559, Vol. 21 No. 1, January - March 2015 , Pag. 76-80. | | |
| 2.14 | E HERGHELEGIU, M. RADOVANOVIC, G. BRABIE, N. C. TÂMPU , <i>Influence of abrasive material quantity on surface quality generated by abrasive water jet operation</i> , International Journal of Modern Manufacturing Technologies ISSN 2067–3604, Vol. III, No. 2 / 2011 , pag. 43-48. | 1 | |
| Participări conferințe | | 4 | |
| 2.15 | N.C. TÂMPU, ROTARU SILVIU, 2013 , Influence of cutting parameters on surface deviation from flatness generated by the milling operation, The Xth International Conference of Constructive and Technological Design Optimization In The Machines Building Field (OPROTEH), abstract vol.1, no.1, pg.32, ISBN 978-606-527-293-4. | 0.5 | |
| 2.16 | N.C. TÂMPU, 2013 , Prediction of the residual stress distribution using the artificial neural network method, The Xth International Conference of Constructive and Technological Design Optimization In The Machines Building Field (OPROTEH), abstract vol.1, no.1, pg.33, ISBN 978-606-527-293-4 | 0.5 | |
| 2.17 | N.C. TÂMPU, M. C. RADU, CHIRIȚĂ B. , 2013 , <i>Influence of the Temperature and Mechanical Stresses Generated by Milling Process in Machined Part Surfaces on their Accuracy</i> , INNOVATIVE MANUFACTURING ENGINEERING, Book Series: Applied Mechanics and Materials, Vol: 371 Pages: 59-63, DOI: 10.4028/www.scientific.net/AMM.371.59, 23-24 Mai 2013, Iași, România | 0.5 | |
| 2.18 | N.C. TÂMPU, 2010 , <i>The influence of different factors on residual stresses distribution induced by millin</i> , 14th International Conference on Modern Technologies, Quality and Innovation (ModTech 2010), 20-22 Mai, Slanic-Moldova, ROMANIA, pag. 615-618 | 0.5 | |
| 2.19 | N. C. TÂMPU , <i>Experimental investigation on the residual stress distribution after milling operation</i> , Optimum Technologies, Technologic Systems and Materials In The Machines Building Field, TSTM -15, No. 1 Bacău 2009 . Pag. 60 – 65, ISSN 1224 – 7499. | 0.5 | |
| 2.20 | N. C. TÂMPU , <i>Residual stress distribution generated by milling operation in parts made from OLC 45 steel and previous processed by thermal cutting</i> , Optimum Technologies, Technologic Systems and Materials In The Machines Building Field TSTM 15 Nr. 2 Bacau 2009 . Pag. 84 -88, ISSN 1224 – 7499. | 0.5 | |
| 2.21 | N. C. TÂMPU , <i>Residual stress distribution in superficial layers after turning operation</i> , Optimum Technologies, Technologic Systems and Materials In The Machines Building Field TSTM 14 nr. 1 /2008 . pag. 53 – 58, ISSN 1224 – 7499. | 0.5 | |
| 2.22 | N. C. TÂMPU , <i>Residual stress distribution in surface layers as a</i> | 0.5 | |

| Nr. crt. | STANDARD | Autoevaluare candidat | Verificare comisie |
|----------|---|--------------------------|-------------------------|
| | | Îndeplinire/ Punctaj | Îndeplinire/ Punctaj |
| | <i>function of machining process</i> , Optimum Technologies, Technologic Systems and Materials In The Machines Building Field TSTM 14 nr. 2 /2008, pag. 27 – 32, ISSN 1224 – 7499. | | |
| 3. | Cel puțin un material didactic pentru uzul studenților în domeniul postului scos la concurs (monografii, cărți, note de curs, caiet de seminar, caiet de laborator, îndrumar de practică). Lista materialelor publicate: | DA / 3.168 | |
| 3.1 | Crina RADU, Ion CRISTEA, Eugen HERGHELEGIU, Nicolae Cătălin TÂMPU , <i>Sisteme de management al calității: Cerințe. Audit</i> , Editura ALMA-MATER, Bacău, 2015, ISBN 978-606-527-483-9. | 1.573 | |
| 3.2 | Ion CRISTEA, Crina RADU, Nicolae Cătălin TÂMPU , <i>Control statistic. Note de curs și aplicații</i> , Editura ALMA-MATER, Bacău, 2012, ISBN 978-606-527-210-1 | 1.595 | |
| 4. | Alte criterii relevante considerate de candidat | 110.46 | |
| 4.1 | Contracte de cercetare: | 25.46 | |
| A | Analiza tensiunilor reziduale din piesele turnate Nr 11/2013, Nr 4/2014, Nr 10/2014 / Director de proiect – partener industrial SC LUFKIN PLOIESTI | 13.12 | |
| B | Analiza tensiunilor reziduale din piesele turnate Nr 2,3,12/2013 ; Nr 1, 2,3,5,7,8,9,12,14,15/2014 / Membru – partener industrial SC LUFKIN PLOIESTI | 9.12 | |
| C | Tehnologii ecologice și economice pentru prelucrarea tablelor metalice folosite la realizarea blindajelor - ECOBLIND/ Membru | 3.22 | |
| 4.2 | Recunoașterea națională și internațională (citări, prezența în echipe editoriale, de evaluare etc.) | 85 | |
| A | Lucrare citată: E HERGHELEGIU, M. RADOVANOVIC, G. BRABIE, N. C. TÂMPU , Influence of abrasive material quantity on surface quality generated by abrasive water jet operation, International Journal of Modern Manufacturing Technologies ISSN 2067–3604, Vol. III, No. 2 / 2011, pag. 43-48. | | |
| a.1 | Alexandru Cătălin Filip, Horatiu Bulea, Roughness variation and deviation from the perpendicularity of high concentrated ceramic alumium oxide on linear cutting in abrasive jet machining technology, Advances in Production, Automation and Transportation Systems, ISBN: 978-1-61804-193-7, pag. 201-205 | 5 | |
| a.2 | Deaconescu Tudor, and Deaconescu Andrea, Optimisation of abrasive jet cutting by means of taguchi methods, Nonconventional Technologies Review Romania, December, 2013, pag. 26 – 30. | 5 | |
| a.3 | Apurva D. Joshi, D.I Sangotra, S.T Bagde, Development of Automated Glass Frosting Machine, International Journal of Science and Engineering Applications Volume 2 Issue 6, 2013, ISSN-2319-7560 (Online), pag. 118-122, DOI: 10.7753/IJSEA0206.1002 | 5 | |
| a.4 | HERGHELEGIU, Eugen; RADU, Crina; SCHNAKOVSKY, Carol; ZICHIL, Valentin, Quality of the Cut Surfaces Processed by AWJC as a | 5 | |

| Nr. crt. | STANDARD | Autoevaluare candidat | Verificare comisie |
|-----------|---|--------------------------|-------------------------|
| | | Îndeplinire/ Punctaj | Îndeplinire/ Punctaj |
| | Function of the Distance between the Cutting Head and Working Sample, Applied Mechanics & Materials . 2015, Vol. 809/810, p207-212. 6p, | | |
| a.5 | E. Herghelegiu, C. Radu, C. Schnakovszky, I. Cristea, "Influence of the Distance between the Cutting Head and Working Sample on the Geometric Precision in Water Jet Abrasive Cutting Process", Applied Mechanics and Materials, Vol. 371, pp. 240-244, Aug. 2013 | 10 | |
| B | Lucrare citată: RADU C., N.C. TÂMPU, B. CHIRIȚĂ, Cristea I., The Effect of Residual Stresses on the Accuracy of Parts Processed by SPIF, MATERIALS AND MANUFACTURING PROCESSES, Volume: 28 Issue: 5 Pages: 572-576, May 2013 DOI:10.1080/10426914.2013.763967, (Fi 1.629) | | |
| b.1 | Zhaobing Liua*, Sheng Liua, Yanle Lia & Paul Anthony Meehana, Modeling and Optimization of Surface Roughness in Incremental Sheet Forming using a Multi-objective Function, Materials and Manufacturing Processes, Volume 29, Issue 7, 2014 pages 808-818 DOI:10.1080/10426914.2013.864405 | 10 | |
| b.2 | M. C. RADU, E. HERGHELEGIU, N. C. TÂMPU, I. CRISTEA, The Residual Stress State Generated by Single Point Incremental Forming of Aluminum Metal Sheets, INNOVATIVE MANUFACTURING ENGINEERING, Book Series: Applied Mechanics and Materials, Vol: 371 Pages: 148-152, DOI: 0.4028/www.scientific.net/AMM.371.148, Published: 2013 | 10 | |
| b.3. | Suresh, K (Suresh, Kurra); Bagade, D (Bagade, Divya); Regalla, SP (Regalla, Srinivasa Prakash), Deformation Behavior of Extra Deep Drawing Steel in Single-Point Incremental Forming, MATERIALS AND MANUFACTURING PROCESSES, Volume: 30 Issue: 10 Pages: 1202-1209, DOI: 10.1080/10426914.2014.994755, Published: OCT 3 2015 | 10 | |
| b.4. | Wang, DH (Wang, Donghong); He, B (He, Bo); Li, F (Li, Fei); Wang, F (Wang, Fei); Sun, BD (Sun, Baode), Experimental and Numerical Analysis on Core Deflection during Wax Injection, MATERIALS AND MANUFACTURING PROCESSES, Volume: 28 Issue: 11 Pages: 1209-1214, DOI: 10.1080/10426914.2013.840915, Published: NOV 2 2013 | 10 | |
| C | Lucrare citată: C. SCHNAKOVSKY, E. HERGHELEGIU, N. C. TÂMPU, The Metal Sheets Processed by AWJ. Analysis of the Surface Quality, MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING Book Series: Advanced Materials Research, Volume: 837 Pages: 201-205, DOI: 10.4028/www.scientific.net/AMR.837.201, Published: 2014. | | |
| c.1. | HERGHELEGIU, Eugen; RADU, Crina; SCHNAKOVSKY, Carol; ZICHIL, Valentin, Quality of the Cut Surfaces Processed by AWJC as a Function of the Distance between the Cutting Head and Working Sample, Applied Mechanics & Materials . 2015, Vol. 809/810, p207-212. 6p. | 5 | |
| D. | Lucrare citată: M. C. RADU, E. HERGHELEGIU, N. C. TÂMPU, I. CRISTEA, The Residual Stress State Generated by Single Point Incremental Forming of Aluminum Metal Sheets, INNOVATIVE | | |

| Nr. crt. | STANDARD | Autoevaluare candidat | Verificare comisie |
|----------|--|--------------------------|-------------------------|
| | | Îndeplinire/ Punctaj | Îndeplinire/ Punctaj |
| | MANUFACTURING ENGINEERING, Book Series: Applied Mechanics and Materials, Vol: 371 Pages: 148-152, DOI: 10.4028/www.scientific.net/AMM.371.148, Published: 2013 | | |
| d.1 | Arshpreet Singh, Anupam Agrawal, Investigation of surface residual stress distribution in deformation machining process for aluminum alloy, Journal of Materials Processing Technology 225 (2015) 195–202, DOI:10.1016/j.jmatprotec.2015.05.025. | 10 | |
| | PUNCTAJ TOTAL | 164.668 | |

Declar pe proprie răspundere că informațiile prezentate în această fișă de autoevaluare sunt veridice.

Data completării

Semnătura

06.01.2016

Comisia de concurs

Președinte

.....

.....

Membri

.....

.....

.....

.....

.....

.....

.....

.....