

LISTA DE LUCRĂRI

a. Lista de lucrări relevante.

1. Blaga F., Bungău C., Stanasel I., Vesseleniy T., **Pancu R.**, Craciun D., *Researches regarding rotary - tilting table precision evaluation method using the ball-bar system*, Proceedings of the Romanian Academy, Series A, Volume 16, Nr.4, ISSN: 1454-9069, pp.513-521, 2015. (ISI Web of Knowledge)
2. **Pancu R.**, Mihăilă S., *The actuation mechanism concept used at the modular fixture system for TMA-AL 550 horizontal milling centre*, Neconventional Tehnologies Review, Revista de tehnologii neconventionale, nr.3/2015 ISSN ISSN 2359 – 8654, Volume XIX, CNCSIS "Clasa B+", pp.32-36, 2015.
3. **Pancu Rareș**, Moldovan Ovidiu, *The importance of thermal vision techniques in industrial applications. Case study*, Neconventional Tehnologies Review, Revista de tehnologii neconventionale, nr.1/2014, ISSN ISSN 2359 – 8654, Volume XVIII, CNCSIS "Clasa B+", pp.34-38, 2014.
4. Bungău C., Ganea M., **Pancu R.**, *New Tendency of Machine Tool Study Based on Virtual Machining Software Applied at University of Oradea*, Applied Mechanics and Materials, Volume 613, 2014, pp. 396-401, ISSN: 16609336 (ISI Web of Knowledge)
5. Bungău Constantin, **Pancu Rareș**, Buidosș Traian, *Contributions to the design of the load station concept used at the flexible manufacturing cell*, Applied Mechanics and Materials, Online available since 2014/Oct/08 at www.scientific.net (2014), Trans Tech Publications, Switzerland 10.4028/www.scientific.net/AMM.657.818, Vol. 657, pp. 818-822, 2014. (ISI Web of Knowledge)
6. Bungău C., **Pancu R.**, Buidosș T., *Analysis of the Linear Positioning Accuracy on Z Axis at the Horizontal Machining Centre TMA-AL-550*, Advanced Materials Research, Modern Technologies in Industrial Engineering Volume 837, pp. 179-184, ISSN: 1662-8985, 2013. (Proceedings, ISI Web of Knowledge)
7. Ganea M., Bungau C., **Pancu R.**, *Modern Flexible Manufacturing Cell Build by Retrofitting at Oradea University by Own Forces*, Robotics in Theory and Practice. Book Series, Applied Mechanics And Materials, Volume 282, PAG. 45-50, ISSN 1662-7482, ISBN:978-3-03785-603-1, 2013. (Proceedings, ISI Web of Knowledge)
8. **Pancu Rareș**, Bungău Constantin, Ganea Macedon, *Thermographic diagnosis at machine tools*, Neconventional Tehnologies Review, Revista de tehnologii neconventionale, Sibiu, nr.2/2013, ISSN 1454-3087, volume XVII, CNCSIS "Clasa B+ pp. 62-66, 2013.
9. **Pancu Rareș**, Macedon Ganea, Constantin Bungău, - *Analysis of the positioning accuracy of the detachable and movable plates as part-carrier on the modular fixture systems* Neconventional Tehnologies Review, Revista de tehnologii neconventionale, Timișoara, volume no.4/2011 , ISSN 1454-3087, volume **XV**, CNCSIS "Clasa B+ pp. 31-34, 2011.
10. **Pancu Rares**, GANEA Macedon, BUNGĂU Constantin - "*Constructive solutions at the modular fixture of the working part at the flexible manufacturing cell TMA-AL-550*" ANNALS of the ORADEA UNIVERSITY. Fascicle of Management and Technological Engineering, Nr.2/2010, volume IX (XIX), ISSN 1583 - 0691, CNCSIS "Clasa B+" ,pp.136-141, 2010.

b. Teza de doctorat

Titlul tezei: *CERCETĂRI PRIVIND APLICAREA DISPOZITIVELOR MODULARE LA CELULE FLEXIBILE DE PRELUCRARE A PIESELOR PRISMATICE*

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Data susținerii: 24 septembrie 2011

Conferirea titlului de doctor prin Ordinul al ministrului delegat pentru învățământ superior, cercetare științifică și dezvoltare tehnologică nr. **3639 MD** din **27.03.2012**

c. Brevete de invenție si alte titluri de proprietate industrială.

d. Cărți si capitole in cărți;

1. **Pancu Rares Mihai**, *Dispozitive modulare utilizate la mașini unelte și sisteme flexibile de prelucrat piese prismatice*, ISBN 978-606-10-1346-3, Editura Universității din Oradea, pp.192, 2014.

e. Articole/studii in extenso, publicate in reviste din fluxul științific International principal.

f. Publicații in extenso, apărute in lucrări ale principalelor conferințe internaționale de specialitate.

1. **Pancu Rareș**, Moldovan Ovidiu, Macedon GANEA, -"*About the flexibility increasing of the flexible cells using modular fixture system*" the 4th edition for the Interdisciplinarity in Engineering International Conference, Târgu Mureș, 12-13 Nov, volume no.1/2009, ISSN 1843-780X, pp. 430-431, 2009.
2. **Pancu Rareș**, Moldovan Ovidiu, Macedon GANEA, -"*AWPC function assisted by robot at the flexible cells for prismatical parts*" the 4th edition for the Interdisciplinarity in Engineering International Conference, Târgu Mureș, 12-13 Nov, volume no.1/2009, ISSN 1843-780X, pp. 432-433, 2009.
3. **PANCU Rareș**, GANEA Macedon, BUNGĂU Constantin, "*Typical characteristics and functions at modular fixture system usable at paletizable horizontal milling center and flexible cells*", ANNALS of the ORADEA UNIVERSITY. Fascicle of Management and Technological Engineering, volume VIII(XVIII), ISSN 1583 - 0691, CNCSIS "Clasa B+" ,pp. 1283-1286, 2009
4. **PANCU Rareș**, GANEA Macedon, BUNGĂU Constantin, GROZA Mihai, "*Automatic workpiece changing function (AWPC) by robot on modular fixture system usable at the*

horizontal milling center TMA-AL 550 ” ANNALS of the ORADEA UNIVERSITY. Fascicle of Management and Technological Engineering, volume VIII(XVIII), ISSN 1583 - 0691, CNCSIS "Clasa B+" , pp. 1287-129, 2009.

5. **Pancu Rareș**, ”Modular solutions at the resources flow (working parts, tools, programs) at the flexible manufacturing cell TMA-AL-550” the 7th edition for the International Conference of PhD students, Universitatea din Miskolcs, Miskolcs, Hungary, 8-12 Aug. volume no.1/2010, ISBN 978-963-661-935-0, pp.85-88, 2010.
6. Ganea Macedon, Bungău Constantin, **Pancu Rareș**, Ovidiu Moldovan- *Constructive and technological objectives of the resources flow (working parts, tools, programs) at the flexible manufacturing cell tma-al-550*, ANNALS of the ORADEA UNIVERSITY. Fascicle of Management and Technological Engineering, Nr.1/2010, volume IX (XIX), 2010, ISSN 1583 - 0691, CNCSIS "Clasa B+" , pp. 391-394, 2010.
7. Crăciun D., Stănășel I., Bungău C., Blaga F., **Pancu R.**, BUIDOS T., *Research on accuracy of TMA-AL 550 horizontal processing centers*, Proceedings of the 11th International Conference MTeM, Cluj-Napoca, 1-19, ISBN 973-9087953-1, 2013.
8. George DRAGOMIR, **Pancu Rares**, Geza HUSI, Liviu GEORGESCU, Horia BELES-” *Studies about reflected temperature variation for the car brake disc*, Applied Mechanics and Materials (Impact Factor: 0.15). 01/2016; Vol. 822(Automotive and Transportation Engineering: International Congress SMAT 2014, October 23-25, Craiova, Romania):399-402, 2014.

g. Alte lucrări si contribuții științifice sau, după caz, din domeniul creației artistice.

1. BABAN M., BABAN C., F., BUNGAU C., DRAGOMIR G., **PANCU R.**, M., Using Fuzzy Logic for the Estimation of the Technical State of Automotive Disc Brakes, International Journal of Computers, Communications & Control, Volume 9, Issue 5, ISSN 1841-9836, ISSN-L 1841-9836 pp.531-538, 2014. (ISI Web of Knowledge)
2. DRAGOMIR G., **PANCU R.**, MITRAN T, A., GEORGESCU L., MOCA S., *Study regarding the car brake disc temperature variation during the lengthy braking*, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Nr.3/2015, volume XXIV (XIV), ISSN 1583 - 0691, CNCSIS "Clasa B+" , pp. 57-60, 2015.
3. Pancu Rares Mihai, Ganea Macedon, *Mașini unelte și sisteme flexibile de fabricație - Îndrumar de laborator.*