

LISTA DE LUCRĂRI ȘTIINȚIFICE

I. Teza de doctorat

Souca (Pop), Emanuela „*Cercetări și contribuții privind construcția turbinelor eoliene de putere mică*”, Universitatea Tehnică din Cluj-Napoca, Facultatea de Construcții de Mașini, Cluj-Napoca, Domeniul Inginerie Industrială, susținută februarie 2014.

II. Cărți

Emanuela Pop, Cornel Ciupan, Emilia Câmpean, Mihai Steopan, *Mașini-Unelte. Îndrumător de lucrări de laborator*, ISBN 978-606737-213-7, Editura U.T. Press, Cluj-Napoca, 2016.

III. Lucrări publicate

A. *Lucrări indexate ISI proceedings*

1. E. Pop, C. Ciupan, M. Steopan, *Reconfigurable gearbox for didactic purpose*, 2016 Proceedings of the International Conference on Production Research, Regional Conference - Africa, Europe and the Middle East and 4th International Conference on Quality and Innovation in Engineering and Management, July 25th- 30th, 2016, Editura U.T. Press, Cluj-Napoca, Romania, ISBN: 978-606-737-180-2, pp 180-184.
2. E. Pop, C. Ciupan, *Mathematical modeling of the flow processes for wind turbines*, 2016 Proceedings of the International Conference on Production Research, Regional Conference - Africa, Europe and the Middle East and 4th International Conference on Quality and Innovation in Engineering and Management, July 25th- 30th, 2016, Editura U.T. Press, Cluj-Napoca, Romania, ISBN: 978-606-737-180-2, pp 171-179.
3. M. Steopan, C. Ciupan, R. Curta, E. Pop, *The identification of weaknesses and optimization of the sheet metal manufacturing process using six sigma methodology*, 2016 Proceedings of the International Conference on Production Research, Regional Conference - Africa, Europe and the Middle East and 4th International Conference on Quality and Innovation in Engineering and Management, July 25th- 30th, 2016, Editura U.T. Press, Cluj-Napoca, Romania, ISBN: 978-606-737-180-2, pp 369-374.
4. Campean Emilia Maria, Otel Calin and Pop Emanuela, *Contributions regarding the improvement of turning processes using statistical process control method*, Proceedings of the 6th edition of International Conference on Aerospace, Robotics, Manufacturing Systems, Mechanical Engineering, Biomechatronics and Neurorehabilitation (ICMERA 2016), Bucharest, Romania, November 4-6, 2016, pp 188-193, ISBN: 978-3-03835-667-7, www.icmera.com.

B. Lucrări indexate BDI

5. **Souca (Pop), Emanuela** și Ciupan, Cornel: *Considerations regarding the essential components used in the construction of small wind turbines*, 2nd International Conference on Quality and Innovation in Engineering and Management, 22th – 24th of November, Cluj- Napoca, Romania, Supplement of the “Quality- Access to Success” Journal, Vol. 13, S5, 2012, ISBN: 1582-2559, pp 403-408, Editura U.T. Press, Cluj-Napoca, România, 2012;
6. Toma, Alexandra; **Souca (Pop), Emanuela**; Safruc, Mihai; Ciupan, Cornel: *Research and Contribution Regarding the Ergonomic Principles Applied on Human-Machine Interface Design Analyze*, Acta Technica Napocensis, series: Applied Mathematics and Mechanics, 54, Issue II, 2011, Cluj-Napoca, Romania, Editura U.T. Press, ISSN 1221-5872, <http://www.atna-mam.utcluj.ro/>
7. **Souca (Pop), Emanuela**; Petrus, Rareș; Ferent-Pipas, Silvia și Ciupan, Cornel: *Programme for selecting the appropriate urban wind turbine according to the location*, Proceedings of the 6th International Conference of Manufacturing Science and Education – MSE 2013, 12-15 June 2013, Sibiu, România, ISSN 1843 – 2522, Editura Universității “Lucian Blaga” din Sibiu, pp 97-100, <http://conferences.ulbsibiu.ro/mse/>;
8. Ferent Pipaș (Pădurean), Silvia; Pădurean, Bogdan; **Souca (Pop), Emanuela**; Petruș, Rareș; Ciupan, Cornel: *Mathematical Model And Considerations About Cutting Costs Of A Water Jet Machine*, Proceedings of the 6th International Conference of Manufacturing Science and Education – MSE 2013, 12-15 June 2013, Sibiu, România, ISSN 1843 – 2522, Editura Universității “Lucian Blaga” din Sibiu, pp 143 – 146, <http://conferences.ulbsibiu.ro/mse/>;
9. **Souca (Pop), Emanuela**: *Airfoil selection for aerodynamic performance criterion on small wind turbines* Acta Technica Napocensis, series: Applied Mathematics and Mechanics, Vol. 57, Issue 2, 2014, Cluj-Napoca, Romania, Editura U.T. Press, pp 291-300, ISSN 1221-5872, <http://www.atna-mam.utcluj.ro/>;
10. **Souca (Pop), Emanuela**: *Small Wind Turbines - Performance investigation*, Acta Technica Napocensis, series: Applied Mathematics and Mechanics, Vol. 57, Issue 2, 2014, Cluj-Napoca, Romania, Editura U.T. Press, pp 301-306, ISSN 1221-5872, <http://www.atna-mam.utcluj.ro/>.
11. Emilia Ciupan, Florin Lungu, Cornel Ciupan, **Emanuela Pop**, *A new approach of the desingning process of the innovative products*, International Conference on Applied Science, Healthcare and Engineering, 18th- 19th August 2016, Venice, Italy, Canadian International Journal of Science and Technology, pp 7-18, ISSN 2356 – 9085, January 2017, www.tcsse.org.
12. T. Dragan, L. Morar, L. Ulici, **E. Pop**, *Aspects which have an influence on the employee commitment for quality in organizations*, Review of Management and Economic Engineering, ISSN 1583-624X, Volume 15, Nr. 3, 2016 Cluj – Napoca, Todesco Publishing House, pp 772-778, www.rmee.org.
13. **Pop E. S.**, Campean E. , Dragan T, *Research on the aerodynamics of blade profiles of wind turbines*, Journal of Sustainable Energy (JSE), ISSN: 2067-5534 / Print, Volume 7,

2016, Publisher & Editorial Office University of Oradea Editing House, pp 79-85, www.energy-cie.ro.

14. **Emanuela S. Pop**, Emilia Campean, *Researches concerning the integration of wind turbines in urban environment*, Proceedings of 2016 International Conference on Hydraulics and Pneumatics - Hervex, November 9-11, 2016, Baile Govora, Romania, ISSN 1454 – 8003, pp 326-334, <http://hervex.fluidas.ro>.
15. **Emanuela S. Pop**, *Research on the efficiency of small capacity wind turbines in the built environment*, Acta Technica Napocensis, series: Applied Mathematics and Mechanics, Vol. 59, Issue IV, 2016, pp 387 – 392, Cluj-Napoca, Romania, Editura U.T. Press, ISSN 1221-5872, <http://www.atna-mam.utcluj.ro/>.

C. Alte lucrări neindexate si comunicări științifice

16. **Souca (Pop), Emanuela și Ciupan, Cornel**: *Considerations regarding the appropriate location for urban wind turbines*, Q-DOC Project – Doctoral students' session, Technical University of Cluj-Napoca, Romania, 2013 (lucrare comunicată);
17. **Souca (Pop), Emanuela**: *Plan de afaceri - program pentru simularea si alegerea turbinelor eoliene de capacitate mica*, Concursul “Cea mai bună idee antreprenorială în domeniul dezvoltării durabile”, Conferința Antreprenoriat, Mediu de Afaceri și Dezvoltare Durabilă – AMDD 2013, Cluj-Napoca, 4-5 iulie 2013.
18. **Souca (Pop), Emanuela**: *Cercetări și contribuții privind construcția generatoarelor eoliene de putere mică*, Ziua Facultății Construcției de Mașini, 12 Iunie 2013, Amfiteatrul A113, B-dul Muncii 103-105, Cluj Napoca, Romania, 2013 (lucrare comunicată);

IV. Brevete de invenție

Ciupan C., Steopan M., **Pop E. S.** *Reconfigurable gearbox*. Patent application RO A10043/2016

V. Proiecte de cercetare

Proiect **Transfer la operatorul economic - PTE** , “*Proiectarea și optimizarea lateralelor de canapea în vederea realizării prin termopresare din materiale compozite pe bază de fibre vegetale (acr. SOFACOMP)*”, Nr. 23 PTE/2016, Perioada 2016-2018, Director de proiect Conf. Dr. Ing. Emilia Ciupan

VI. Lucrări de laborator

1. Aplicație pentru selecția turbinelor eoliene în funcție de o locație dată
2. Cutie de viteze reconfigurabilă
3. Model experimental de turbină eoliană cu ax vertical

VII. Distincții

1. **Best Presentation** - 2016 International Conference on Production Research, Regional Conference - Africa, Europe and the Middle East and 4th International Conference on Quality and Innovation in Engineering and Management, July 25th- 30th, 2016
2. **Diplomă și Medalie de Aur cu Mențiune specială** – Salonul Internațional de Inventică - ProInvent 2016
3. **Souca (Pop), Emanuela: Automatic turf irrigation system Rain Xpert**, Medalie IWIS International Warsaw Invention Show, Ediția 9 ProInvent, Cluj-Napoca, Martie, 2011.

Data

11.01.2017

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