

## LISTA LUCRĂRILOR ȘTIINȚIFICE SUB AFILIEREA

Universității „Aurel Vlaicu” din Arad

Șef lucrări Dr. Ing. Geza-Mihai Erdodi

### A. Teza de doctorat

Lucrare cu titlul: **Cercetări în dinamica agregatelor aeroelectice,**

Conducător Științific: Prof. Dr. ing. Liviu Bereteu – susținută în 05.05.2017 la Universitatea Politehnica din Timișoara, în domeniul Inginerie Mecanică.

### B. Cărți si capitole în cărți

1. Geza-Mihai Erdodi, **Cercetări în dinamica agregatelor aeroelectice,** Ed. Politehnica, Seria 9: Inginerie Mecanică, nr. 178, ISSN: 1842-4937. ISBN 978-606-35-0178-4, nr. pag. 277.

### C. Lucrări indexate ISI/BDI

#### C.1 Reviste ISI

1. Mihon, Nicolae Liviu; Erdodi, Geza-Mihai; Lontis, Nicolae Stelian, **Diagnosis of the unit injection pump's elements,** Ingineria Automobilului Issue:42, Published: MAR 2017, pages: 23-26.

#### C.2 Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate Web of Science-WoS (ISI) Proceedings

1. Elena-Stela Muncut Lavinia-Ioana Cuda, Geza-Mihai Erdodi and Gheorghe Sima, **The welding program optimization of a S355 steel assembly used in agricultural machinery,** 9th INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION -MSE 2019- June 5-7, Sibiu, Romania, vol. II, 2019, Ed. a IX – a, ISSN 2559-2963, ISSN-L 2559-2963, pp. .

2. Lavinia-Ioana Cuda, Elena-Stela Muncut and Geza-Mihai Erdodi, **The analysis of the robotized handling of oxygen gas tanks with the help of the petri networks,** 9th INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION -MSE 2019- June 5-7, Sibiu, Romania, vol. II, 2019, Ed. a IX – a, ISSN 2559-2963, ISSN-L 2559-2963, pp.

3. Ioan Zaharie, Marius Dudu and Geza-Mihai Erdodi, **The functioning of a Wind System at its maximum power** – SACI 2018, 12<sup>th</sup> IEEE International Symposium on Applied Computational Intelligence and Informatics, Timișoara, Romania, 978-1-5386-4640-3/18/©2018 IEEE, May 17 – 19, 2018.

4. Ciprian Sorandaru, Sorin Musuroi, Mihaela-Codruta Ancuti, Gheza-Mihai Erdodi, Doru-Ionut Petrescu, **The Control of the Wind Power Systems by Imposing the DC Current,** 10th Jubilee IEEE International Symposium on Applied Computational Intelligence and Informatics, May 21-23, 2015, Timisoara, Romania, pp. 259-264, ISBN: 978-1-4799-9910-1, WOS:000380397800048

5. Sorin Musuroi, Ciprian Sorandaru, Gheza-Mihai Erdodi, Doru-Ionut Petrescu, **Wind System with Storage in Electrical Accumulators**, The 9th International Symposium on ADVANCED TOPICS IN ELECTRICAL ENGINEERING, Bucharest, May 7-9, 2015, ISBN: 978-1-4799-7514-3/15, ISBN: 978-1-4673-8093-5, pag. 797-802, WOS:000368159800147

6. Cristian-Paul Chioncel; Gheza-Mihai Erdodi; Doru-Ionut Petrescu; Elisabeta Spunei; Nicoleta Gillich, **Control of wind power systems imposing the current in the intermediate circuit of the converter at variable wind speed**, The 9th International Symposium on ADVANCED TOPICS IN ELECTRICAL ENGINEERING, Bucharest, May 7-9, 2015, ISBN: 978-1-4799-7514-3/15, ISBN: 978-1-4673-8093-5, pag. 923-928, WOS:000368159800171

7. Ciprian Sorandaru; Sorin Musuroi; Mihaela-Codruta Ancuti; Gheza-Mihai Erdodi; Doru-Ionut Petrescu, **Equivalent power for a wind power system**, [2016 IEEE 11th International Symposium on Applied Computational Intelligence and Informatics \(SACI\)](#), DOI: [10.1109/SACI.2016.7507374](#), Pages: 225 – 228, în curs de indexare WoS; conferința anterioară (SACI 2015) indexată WoS

### **C.3 Lucrări științifice publicate în reviste de specialitate indexate BDI (cu specificarea BDI)**

1. Florica Balog, Horia Ciocarlie, Marius Babescu, Gheza-Mihai Erdodi, “Equivalent speed and equivalent power of the wind systems working at variable wind speed”, Scopus, *Advances in Intelligent Systems and Computing*, Volume 357, Pages 1325-1336, 2016.

2. Horia Ciocarlie, Florica Balog, Gheza-Mihai Erdodi, Doru-Ionut Petrescu, “Behavior of the wind systems optimally controlled at variable wind speeds”, Scopus, *Advances in Intelligent Systems and Computing*, Volume 357, Pages 1337-1351, 2016.

3. Florica Balog, Horia Ciocarlie, Marius Babescu, Gheza-Mihai Erdodi, “The Dynamics of Wind System at the Optimum Load”, *Buletinul Institutului Politehnic din Iasi, Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iasi, Tomul LX (LXIV), Fasc. 2, 2014, Sectia Automatică si Calculatoare*, 2014.

4. Horia Ciocarlie, Florica Balog, Gheza-Mihai Erdodi, Marius Babescu, „Basic specification regarding the wind power systems control”, *INTERNATIONAL JOURNAL OF COMPUTERS & TECHNOLOGY/ ISSN 2277-3601, Vol 12, No. 9, Page(s): 3927- 3944, 2014.*

### **C.4 Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate BDI (cu specificarea BDI)**

1. E S Muncut, L I Culda G M Erdodi and G Sima, **8D complaint solving method in an automotive component processing company**, International Conference ANNUAL SESSION OF SCIENTIFIC PAPERS “IMT Oradea 2019”, The Proceedings of Conference IMT Oradea 2019, ISSN 2501-5769(CD edition), pp 102-106.

2. Gheza-Mihai Erdodi; Doru-Ionut Petrescu; Ciprian Sorandaru; Sorin Musuroi, **The determination of the maximum energetic zones for a wind system, operating at variable wind speeds**, 18th International Conference on System Theory, Control and Computing

(ICSTCC), Sinaia **2014**, Pages: 256 - 261, DOI: 10.1109/ICSTCC.2014.6982425, indexat IEEE Explore

3. Horia Ciocarlie; Florica Balog; Gheza-Mihai Erdodi; Doru-Ionut Petrescu, **Peak energy determination by a sample at idle mode operation**, 2014 IEEE 9th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI), Pages: 295 - 298, DOI: 10.1109/SACI.2014.6840080, , indexat IEEE Explore.

Data, 23.07.2019

Semnătura

