

Universitatea Tehnică din Cluj-Napoca
Facultatea de Inginerie Electrică
Departamentul Electrotehnica și Masurări

Conf.dr.ing. GRINDEI LAURA

LISTA

lucrărilor științifice în domeniul disciplinelor din postul didactic

A – Teza de doctorat

Titlu: Dezvoltarea unui sistem multimedia destinat învățământului continuu și la distanță în Electrotehnica

Conducător științific: Prof.dr.ing. Emil Simion

Susținere publică: Universitatea Tehnică din Cluj-Napoca, 7.12.2005.

B – Cărți și capitole în cărți publicate

CĂRȚI

1. Laura Grindei, Claudia Constantinescu Marius Purcar, Aplicații C/C++/C# și Arduino în Inginerie Electrică, ISBN 978-606-737-435-3, 2020
2. C.Hebedean, Laura Grindei: Baze de date în Inginerie Electrică, Editura UT Press, Cluj-Napoca, 978-973-662-974-7, 2014
3. Serban Meza, Aurel Vlaicu, Bogdan Orza, Laura Grindei, Romulus Terebes, Utilizarea TIC în Procesul Educational. Distribuirea și Accesarea Materialelor Online. Blended & e-Learning, Editura UT Pres, 2012, ISBN 978-973-662-694-4
4. Serban Meza, Aurel Vlaicu, Bogdan Orza, Laura Grindei, Romulus Terebes, Tehnici și Tehnologii Moderne în Educație - Materiale Didactice Electronice, Editura UT Pres, 2012, ISBN 978-973-662-693-7
5. Serban Meza, Aurel Vlaicu, Bogdan Orza, Laura Grindei, Romulus Terebes, Proiectarea și Dezvoltarea Cursurilor și Materialelor Educationale pentru Științele Ingineresti Utilizând Tehnici și Tehnologii Moderne, Editura UT Pres, 2012, ISBN 978-973-662-695-1
6. Serban Meza, Aurel Vlaicu, Bogdan Orza, Laura Grindei, Romulus Terebes, Proiectarea și dezvoltarea materialelor pentru aplicații educaționale în domeniul științelor ingineresti, Editura UT Pres, 2012, ISBN 978-973-662-695-1, 978-973-662-722-4

C – Lucrări indexate ISI/BDI publicate

C1) Articole / studii publicate în reviste de specialitate de circulație internațională recunoscute (cotate ISI)

1. M. Purcar, V. Topa, C. Munteanu, R. Chereches, A. Avram, L. Grindei Optimization of the layer thickness distribution in electrochemical processes using the level set method, in IET SCIENCE MEASUREMENT & TECHNOLOGY, vol. 6, no. 5, pp. 376-385, 2012.

2. C. Munteanu, G. Mates, M. Purcar, V. Topa, I. Pop, L. Grindei, A. Racasan, Electromagnetic field model for the numerical computation of voltages induced on buried pipelines by high voltage overhead power lines, in EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, vol. 58, no. 3, 2012.
3. V. Topa, M. Purcar, A. Avram, C. Munteanu, R. Chereches, L. Grindei Simulation of the electrode shape change in electrochemical machining based on the level set method, in EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, vol. 58, no. 1, 2012
4. Vasile Topa, Marius Purcar, Calin Munteanu, Laura Grindei, Claudia Pacurar, Ovidiu Garvasiuc Shape optimization approach based on the extended finite element method, in COMPEL-THE INTERNATIONAL JOURNAL FOR COMPUTATION AND MATHEMATICS IN ELECTRICAL AND ELECTRONIC ENGINEERING, vol. 31, no. 2, pp. 477-497, 2012.
5. Adina Racasan, Calin Munteanu, Vasile Topa, Marius Purcar, Laura Grindei, Computation of the potential induced on the fluid transport pipelines by overhead high voltage lines, in environmental engineering and management journal, vol. 10, no. 4, pp. 505-510, 2011.
6. Calin Munteanu, Vasile Topa, Emil Simion, Gheorghe Mates, Laura Grindei, Mey, De, Marius Purcar Optimisation of an alternating current multi-conductor system, in ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS, vol. 30, no. 7, pp. 582-587, 2006.
7. Florin Muntean, Alexandru Avram, Johan Deconinck, Marius Purcar, Vasile Topa, Calin Munteanu, Laura Grindei, Ovidiu Garvasuc Optimization of the Current Density Distribution in Electrochemical Reactors, in SCIENTIFIC COMPUTING IN ELECTRICAL ENGINEERING (SCEE 2010), vol. 16, pp. 163-172, 2012.
8. M. Purcar, V. Topa, C. Munteanu, A. Avram, L. Grindei, R. Chereches Optimization of the current density distribution in electrochemical cells based on the level set method and genetic algorithm, in EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, vol. 56, no. 1, 2011.

C2) Studii publicate la conferințe indexate în baze de date internaționale de referință în domeniul (ISIProc, DBLP, ACM, IEEE, SCOPUS)¹

1. Grindei Laura, Vicent Lorente, Juan-Luis Posadas-Yagüe, Ian Grout, Thomas Fischer, Experimental Learning in Electrical Engineering with the Erasmus+ DIG-SENSING Blended Intensive Program
2. José V. Benlloch-Dualde, Juan-Luis Posadas-Yagüe, Vicent Lorente Garcés, Sara Blanc, Laura Grindei, Motivating Students in Basic Electronics Through Challenge-Based Learning, 2024 XVI Congreso de Tecnología, Aprendizaje y Enseñanza de la Electrónica (TAEE)
3. Laura Grindei, Claudia Constantinescu, Adrian Bojita, Rodica Holonec, Laszlo Rapolti, Project-oriented approach in teaching programming to the first year undergraduate students in Electrical Engineering, 2023 10th International Conference on Modern Power Systems (MPS)

¹ indexate în:

[ISIProc] - ISI Proceedings (<https://webofknowledge.com>)

[IEEE] - IEEE Xplore (<http://ieeexplore.ieee.org/Xplore/guesthome.jsp>)

[ACM] - ACM portal (<http://portal.acm.org>)

[DBLP] - (<http://www.informatik.uni-trier.de>)

[SCOPUS] - (<http://www.scopus.com>)

4. L.Grindei,C. Campian, A. Ciupe, L. Todea, S. Munteanu,L. Moga,The European University of Technology - A perspective on building a pioneering higher education system based on a human-centred technology, 2022 31st Annual Conference of the European Association for Education in Electrical and Information Engineering (EAEEIE)
5. Laura GRINDEI, Aurelia CIUPE, Bogdan ORZA, Serban MEZA, Students' Perception on Integrating Collaborative Tools into Electrical Engineering Education, MPS 2021
6. Claudia Constantinescu;Calin Munteanu;Laura Grindei;Adina Giurgiuman;Claudia Pacurar;Marian Gliga;Sergiu Andreica ,High Frequency Analysis of the Vivaldi Antenna Parameters, 2020 International Conference and Exposition on Electrical And Power Engineering (EPE)
7. Laura Grindei ; Sara Blanc ; José Vicente Benlloch-Dualde, eSGarden-Implementing a school-university collaboration project for inclusive and equitable education through technology, 29th Annual Conference of the European Association for Education in Electrical and Information Engineering, 2019
8. Constantinescu, C., Madas, L.-M., Grindei, L., Racasan, A.,Implementation of an App for Android Mobile Devices Designed for Electromagnetic Field Problems Solving, Proceedings of 2019 8th International Conference on Modern Power Systems, MPS 2019
9. Holonec, R., Grindei, L., Purcar, M., Copîndean, R., Dragan, F., Techniques for sorting components from dismembered medical PCBs, IFMBE Proceedings,2019, 71, pp. 59-64
10. Grindei Laura; Orza Bogdan; Ciupe Aurelia; Meza Serban, University Learning Management System based on Office 365, 2018 17th International Conference on Information Technology Based Higher Education and Training (ITHET)
11. European projects - As tools for increasing academic/students mobility and learning enhancement through innovative pedagogical approaches, 2017 27th EAEEIE Annual Conference, EAEEIE 2017
12. Grindei, L., Dobrota, V., Crisan, A, European projects - As tools for increasing academic/students mobility and learning enhancement through innovative pedagogical approaches, 2017 27th EAEEIE Annual Conference, EAEEIE 2017
13. June 2017, Article number 8768592
14. Tony Ward, Ian Grout, Laura Grindei, Dan Mandru, Final Year Undergraduate Student Projects as a Vehicle for Raising Student Awareness of Disabilities, NTED2017: 11th International Technology, Education and Development Conference INTED'2017 Proceedings, pp: 748-755, ISBN:978-84-617-8491-2, ISSN: 2340-1079, 2017
15. Dorian Cojocaru, Dorin Popescu, Razvan Tanasie, Laura Grindei, Tony Ward, Educational Policies in European Engineering Higher Education System - Best Practice Examples, in 25TH ANNUAL CONFERENCE EAEEIE (EAEEIE), pp. 13-16, 2014, ISBN:978-1-4799-4205-3, 2014
16. Laura Grindei, Dan Mandru, Mihai Munteanu, Vasile Țopa, Tony Ward' Examples of undergraduate students projects in the area of Assistive Technologies, Proceedings of the International Conference ITHET'2014 York, UK, CDROM
17. Dorian Cojocaru, Dorin Popescu, Razvan Tanasie, Laura Grindei, Tony Ward,Educational Policies in European Engineering Higher Education System - Best Practice Examples, in 2014 25TH ANNUAL CONFERENCE EAEEIE (EAEEIE), pp. 13-16, 2014 , ISBN:978-1-4799-4205-3

18. Marian Poboroniuc, Gheorghe Livint, Laura Grindei, Anna Friesel, Antoanela Naaji, Dorian Cojocaru, Dorin Popescu, Anthony Ward, Trends and EIE Higher Education Response to the Current Global Technical Challenges, in 2014 25TH ANNUAL CONFERENCE EAEEIE (EAEEIE), pp. 65-68, 2014
19. Poboroniuc, M.-S., Livint, G., Pablo, J.J.M., Friesel, A., Laura Grindei, Ward, A., SALEIE: An EU project aiming to propose new EIE curricula oriented to key global technical challenges, in EPE 2014 - Proceedings of the 2014 International Conference and Exposition on Electrical and Power Engineering, pp. 198-203, 2014
20. Sebestyen, G., Bulgaru, M., Laura Grindei, Pro-inova: Virtual platform for innovation management in doctoral schools, in CSEDU 2012 - Proceedings of the 4th International Conference on Computer Supported Education, vol. 1, pp. 112-117, 2012
21. Laura Grindei, Bulgaru, M., Design of an e-Learning platform in the field of innovation management for engineers, in 2011 Proceedings of the 22nd EAEEIE Annual Conference, EAEEIE 2011, 2011
22. Munteanu, C., Topa, V., Purcar, M., Laura Grindei, Racasan, A., Study of the electric field generated by the high voltage substations, in International Conference on Mathematical Methods and Computational Techniques in Electrical Engineering - Proceedings, pp. 74-77, 2010.
23. Munteanu, C., Topa, V., Laura Grindei, Pop, I.T., Visan, Gh., Diaconu, C., Deconinck, J., Bortels, L., Chatziathanasiou, V., 3D numerical computation of the induced potential distribution on buried pipelines by neighbour HV lines working on normal and fault conditions, in 43rd International Conference on Large High Voltage Electric Systems 2010, CIGRE 2010, 2010.

D – Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți (neindexate)

D1) Reviste

1. -

D2) Selecție cu maximum 20 lucrări în volume de conferințe

E – Brevete obținute pentru întreaga activitate

1. -

Data: Septembrie 2024

Semnătura