

Universitatea Tehnică din Cluj-Napoca
Facultatea de Inginerie Electrică
Departamentul Electrotehnica si Masurari

Conf.dr.ing. GRINDEI LAURA

LISTA

lucrărilor științifice în domeniul disciplinelor din postul didactic

A – Teza de doctorat

Titlu: Dezvoltarea unui sistem multimedia destinat invatamantului continuu si la distanta in 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 în ultimii 10 ani

CĂRȚI

1. C.Hebedean, Laura Grindei: Baze de date in inginerie electrica,Editura UTPress,Cluj-Napoca, 978-973-662-974-7, 2014
2. Serban Meza, Aurel Vlaicu, Bogdan Orza, Laura Grindei, Romulus Terebes, Utilizarea TIC in Procesul Educational. Distribuirea si Accesarea Materialelor Online. Blended & e-Learning, Editura UTPres, 2012, ISBN 978-973-662-694-4
3. Serban Meza, Aurel Vlaicu, Bogdan Orza, Laura Grindei, Romulus Terebes, Tehnici si Tehnologii Moderne in Educatie - Materiale Didactice Electronice, Editura UTPres, 2012, ISBN 978-973-662-693-7
4. Serban Meza, Aurel Vlaicu, Bogdan Orza, Laura Grindei, Romulus Terebes, Proiectarea si Dezvoltarea Cursurilor si Materialelor Educationale pentru Stiintele Ingineresti Utilizand Tehnici si Tehnologii Moderne, Editura UTPres, 2012, ISBN 978-973-662-695-1
5. Serban Meza, Aurel Vlaicu, Bogdan Orza, Laura Grindei, Romulus Terebes, Proiectarea și dezvoltarea materialelor pentru aplicații educaționale în domeniul științelor ingineresti, Editura UTPres, 2012, ISBN 978-973-662-695-1, 978-973-662-722-4
6. Laura Grindei,Programare in C/C++ cu aplicatii in inginerie electrica,Editura Casa Cărții de Știință Cluj Napoca,978-973-133-687-9,2010,

C – Lucrări indexate ISI/BDI publicate în ultimii 10 ani

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

1. Benlloch-Dualde, JV; Posadas-Yagüe, JL; Garcés, VL; Blanc, S; Grindei, L
2. Motivating students in basic electronics through challenge-based learning, 2024 XVI CONGRESO DE TECNOLOGIA, APRENDIZAJE Y ENSEÑANZA DE LA ELECTRONICA, TAAE 2024

3. Holonec, R; Grindei, L; Rápolti, L A Comprehensive Investigation of Volleyball Movements Using Electromyography and Visual Tracking Techniques, 2024 12TH E-HEALTH AND BIOENGINEERING CONFERENCE, EHB 2024
4. Grindei, L , Campian, C , Ciupe, A , Todea, L ,Munteanu, S , Moga, L "The European University of Technology - A perspective on building a pioneering higher education system based on a human-centred technology, PROCEEDINGS OF THE 2022 31ST ANNUAL CONFERENCE OF THE EUROPEAN ASSOCIATION FOR EDUCATION IN ELECTRICAL AND INFORMATION ENGINEERING (EAEEIE), Accession NumberWOS:000863031500033,ISBN978-1-6654-8442-8"
5. Rapolti, L , Rodica, H , Grindei, L , Purcar, M , Dragan, F , Copindean, R , Reman, R , Experimental Stand for Sorting Components Dismantled from Printed Circuit Boards, Minerals, Volume11, Issue11, 2021
6. Laura, G , Marius, P , Claudia, C , Rodica, H , Laszlo, R "Research and innovation project based on recovery of the components and materials from IT and telecommunication waste, PROCEEDINGS OF THE 2021 30TH ANNUAL CONFERENCE OF THE EUROPEAN ASSOCIATION FOR EDUCATION IN ELECTRICAL AND INFORMATION ENGINEERING (EAEEIE)Accession NumberWOS:000719282200012,ISBN978-1-7281-9327-4
7. Grindei, L , Ciupe, A , Orza, B , Meza, S Students' Perception on Integrating Collaborative Tools into Electrical Engineering Education, PROCEEDINGS OF 9TH INTERNATIONAL CONFERENCE ON MODERN POWER SYSTEMS (MPS 2021), ISBN978-1-6654-3381-5, DOI10.1109/MP52805.2021.9492599
8. Grindei, L; Blanc, S and Benlloch-Dualde, JV 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, EAEEIE 2019; Ruse; Bulgaria; 4 September 2019
9. R. Holonec, L.Grindei, M.Purcar, R.Copindean, F.Dragan Techniques for Sorting Components from Dismembered Medical PCBs, Conference: 6th International Conference on Advancements of Medicine and Health Care through Technology (MediTech'2018) , IFMBE Proceedings Volume: 71 Pages: 59-64 Published: 2019
10. C.Constantinescu,LM Madas, L. Grindei, A. Racasan 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), ISBN:978-1-7281-0750-9
11. Anthony Ward, Ian Grout, Laura Grindei, Dan Mandru Assistive technology product innovation through undergraduate projects, MEDITECH 2016; published in 2017;pp: 267-273
12. Anthony Ward; Ian Grout, Laura Grindei, Dan Mandru Final Year Undergraduate Student Projects as a Vehicle for Raising Student Awareness of Disabilities, INTED2017: 11TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, MAR 06-08, 2017, 748-755
13. Ward, Anthony; Grout, Ian; Fremont, Helene; Cojocar, Dorian; Poboroniuc, Marian; Lhotska, Lenka; Welzer, Tatjana; Grindei, Laura The SALEIE Project A successful International Collaborative Project and springboard for future projects, 2017 27TH EAEEIE ANNUAL CONFERENCE (EAEEIE)

14. Grindei, Laura; Dobrota, Virgil; Crisan, Alina European projects - as tools for increasing academic/students mobility and learning enhancement through innovative pedagogical approaches, 2017 27TH EAEIE ANNUAL CONFERENCE (EAEIE)
15. Ian Grout, Laura Grindei, Anthony Ward, Penn Snowden, Christina Marner, Tatjana Welzer, Widening participation in EIE programmes across Europe for students with disabilities, ITHET 2015
16. Marian-Silviu Poboroniuc, Anna Friesel, Gheorghe Livint, Laura Grindei, Pablo, Marcuello, Anthony Ward SALEIE: An EU Project Aiming to Propose New EIE Curricula Oriented to Key Global Technical Challenges, in 2014 INTERNATIONAL CONFERENCE AND EXPOSITION ON ELECTRICAL AND POWER ENGINEERING (EPE), pp. 198-203, 2014.
17. Jose V. Benlloch-Dualde, Ian Grout, Laura Grindei, Anthony Ward Marketing EIE programmes in higher education towards students from underrepresented groups, in 2015 INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY BASED HIGHER EDUCATION AND TRAINING (ITHET) pp. 748-755, 2015
18. 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 EAEIE (EAEIE), pp. 13-16, 2014.
19. 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 EAEIE (EAEIE), pp. 65-68, 2014.
20. M. Purcar, V. Topa, C. Munteanu, R. Chereches, A. Avram, L. Grindei Optimisation 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.
21. 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.
22. 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
23. 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.
24. 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.
25. 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.
26. 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.

27. 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 domeniu (ISIProc, DBLP, ACM, IEEE, SCOPUS)¹

1. Laura Grindei; Rodica Holonec; Sara Blanc Clavero; José Vicente Benlloch-Dualde, Enhancing Learning Experiences in Erasmus Blended Intensive Programs, 2024 21st International Conference on Information Technology Based Higher Education and Training (ITHET)
2. 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)
3. 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, 2023 32nd Annual Conference of the European Association for Education in Electrical and Information Engineering (EAEEIE)
4. Rapolti, L., Holonec, R., Grindei, L., Viman, O. Automated Sorting of Pharmaceutical Waste Using Machine Vision Technology, IFMBE Proceedings Volume 88, Pages 409 - 416, 2022 7th International Conference on Advancements of Medicine and Health Care through Technology, MEDITECH 2020 Virtual, Online 13 October 2020 through 15 October 2020 Code 270419
5. 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)
6. 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)
7. Ward, A. , Grout, I. Fremont, H., Cojocaru, D., Poboroniuc, M., Lhotska, L., Welzer, T. Grindei, L. "The SALEIE Project : A successful International Collaborative Project and springboard for future projects, 2017 27th EAEEIE Annual Conference, EAEEIE 2017, June 2017, Article number 8768651,
8. Grindei, Laura, Mandru ,Dan, Munteanu ,Mihai, Ward, Tony "Examples of undergraduate students projects in the area of assistive technologies, ITHET 2014 - 13th International Conference on Information Technology Based, Higher Education and Training
9. 2014, Article number 7155716, ISBN: 978-172813222-8
10. 13th International Conference on Information Technology Based Higher Education and Training, ITHET 2014;

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>)

11. Poboroniuc Marian, Livint Gheorghe, Jackson Noel, Cojocaru Dorian, Popescu Dorin, Grindei laura, Naaji Antoanela, Ward Tony "A survey results on existing Electrical and Information Engineering programmes oriented to key global technical challenge areas", ITHET 2014 - 13th International Conference on Information Technology Based Higher Education and Training, 2014, Article number 7155673
12. Grindei Laura, Orza Bogdan, Vlaicu Aurel, Topa Vasile "A new master programme in eActivities, Proceedings of the 24th International Conference on European Association for Education in Electrical and Information Engineering, EAEEIE 2013, Article number 6576511, Pages 102-107
13. 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
14. 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
15. 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.
16. 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: 07.05.2025

Semnătura