

Lista de lucrări

Lista celor mai relevante 10 lucrari privind realizarile profesionale proprii

1. Deaky, B., „Suport teoretic și aplicații pentru ABB RobotStudio (5)”, 2020, ISBN: 978-606-19-1243-8, Editura Universității Transilvania din Brașov, 2020, Romania
2. Deaky, B. „Applications Developed with the Microcontroller Student Learning Kit for the Teleengineering Field ”, chapter in „Embedded Systems and Wireless Technology”, editors R. A. Santos and A. E. Block, pp. 257-298, ISBN 978-1-57808-803-4, CRC PRESS, 2012, USA
3. Deaky, B., Pârv, L., “ERP system for 3D printing industry”, 4th International Conference on Computing and Solutions In Manufacturing Engineering 2016 - COSME'16, 2016, Book Series: MATEC Web of Conferences Vol. 94, Articol Nr. UNSP 06005
4. Pârv, L., Deaky, B., Nasulea, M.D., Oancea, G., . „Agent-Based Simulation of Value Flow in an Industrial Production Process”, in Processes, 7(2), 82; 2019, zona Q2, FI 1,963, <https://doi.org/10.3390/pr702008242,79>;
5. B. Deaky, D.G. Zutin, Ph. H. Bailey, “A detailed view of the first Android client application for the iLab Shared Architecture”, Proceedings of Global Engineering Education Conference (EDUCON) 2012 IEEE, 17 – 20 April, 2012, Marrakech, Marocco, pp. 1239-1244, IEEE Conference Publications (min. 4 citări)
6. R. Udriou, A. Nedelcu, B. Deaky, “Rapid Manufacturing by Polyjet Technology of Customized Turbines for Renewable Energy Generation”, in Environmental Engineering and Management Journal, Vol.10, No. 9, 2011, pp.1387-1394
7. B. Deaky, “Contribution to Online Laboratory Implementation and Standardization”, Proceedings of Global Engineering Education Conference (EDUCON) 2013 IEEE, 13 - 15 March, 2013, Berlin, Germany, pp. 1342 – 1346, IEEE Conference Publications
8. B. Deaky, L. Parv, T. F. Andrade, “Using the chipKIT to apply a novel concept for configuring embedded online labs”, Proceedings of Global Engineering Education Conference (EDUCON) 2014 IEEE, 3 - 5 April, 2014, Istanbul, Turkey, pp. 844 – 849, IEEE Conference Publications
9. B. Deaky, R. Udriou, N.B. Lupulescu & N. Balci, „Cylindrical Gear Rapid Manufacturing Study (Part I)”, Proceedings of Modern Technologies, Quality and Innovation (ModTech) International .I Conference - New face of TMCR 2011, Vol. 1, May 25-27, 2011, Vadul lui Voda – Chisinau, Rep. Of Moldova, pp. 301-304

10. Deaky, B., Moldovean, Gh., Velicu, R., Multi-criteria optimization of the external cylindrical gears. Machine Design Monograph, p. 47-52, ISBN 978-86-7892-105-6, Novi Sad, Serbia, 2008.

Teza de doctorat

Deaky B., „Analiza și optimizarea multicriterială a angrenajelor cilindrice exterioare”, conducător științific prof. dr. ing. Moldovean Cheorghe, Brasov, 2009

Lista propunerilor de brevet

Deaky B., „Sistem de monitorizare de la distanță a stării de funcționare pentru mașini unelte cu comanda numerică”, 2013 – predată la OSIM, cererea A/00447/14.06.13, publicată în BOPI 4/2004.

Cărți / Capitole de cărți

Deaky, B., „Suport teoretic și aplicații pentru ABB RobotStudio (5)”, 2020, ISBN: 978-606-19-1243-8, Editura Universității Transilvania din Brașov, 2020, Romania

Deaky B., „Applications Developed with the Microcontroller Student Learning Kit for the Teleengineering Field”, chapter in „Embedded Systems and Wireless Technology”, editors R. A. Santos and A. E. Block, pp. 257-298, ISBN 978-1-57808-803-4, CRC PRESS, 2012, USA

Articole/ studii in extenso, publicate în reviste din fluxul științific internațional principal

1. B. Deaky, N.B. Lupulescu, M.V. Dragoi, “Objectives of Telemanufacturing Research at AMTS, Unitbv. Initial Achievements”, Academic Journal of Manufacturing Engineering, VOL. 8, issue 3/2010, pp. 12-17
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2. R. Udrioiu, A. Nedelcu, B. Deaky, “Rapid Manufacturing by Polyjet Technology of Customized Turbines for Renewable Energy Generation”, in Environmental Engineering and Management Journal, Vol.10, No. 9, 2011, pp.1387-1394

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3. B. Deaky, D.G. Zutin and P. H. Bailey, "The first Android client application for the iLab Shared Architecture", in International Journal of Online Engineering, Vol. 8, no. 1, 2012, pp. 4-7

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4. Filip, F.-C., Mebrahtu, H., Mărăscu-Klein, V., Deaky, B., "Method for optimization production systems by computer aided modeling and simulation", in Journal of Electrical and Electronics Engineering, 5(1), pp. 67-72

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5. Pârv, L., Deaky, B., Nasulea, M.D., Oancea, G., „Agent-Based Simulation of Value Flow in an Industrial Production Process", in Processes, 7(2), 82; 2019, zona Q2, FI 1,963, <https://doi.org/10.3390/pr702008242.79>

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Publicații în extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate

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6. Deaky, B., "Using Chained Records To Optimize the Preparation and Storage into RAM for Large Sets of Structural Data", 0367-0368, Annals of DAAAM for 2008 & Proceedings of the 19th International DAAAM Symposium, p.184, ISBN 978-3-

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7. B. Deaky, R. Udriou, N.B. Lupulescu & N. Balci, „Cylindrical Gear Rapid Manufacturing Study (Part I)”, Proceedings of Modern Technologies, Quality and Innovation (ModTech) International .I Conference - New face of TMCR 2011, Vol. 1, May 25-27, 2011, Vadul lui Voda – Chisinau, Rep. Of Moldova, pp. 301-304
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8. B. Deaky, N.B. Lupulescu, D. Ursuțiu, „Data Acquisition With The MC9S12C32 Microcontroller (By Means Of MCU SLK) For Monitoring Applications”, Proceedings of Modern Technologies, Quality and Innovation (ModTech) International Conference - New face of TMCR 2011, Vol. 1, May 25-27, 2011, Vadul lui Voda – Chisinau, Rep. Of Moldova, pp. 305-308
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9. Deaky, B., Bailey, P., „Towards Android clients for iLab Shared Architecture interactive laboratories”, Proceedings of 15th Interactive Collaborative Learning (ICL) conference, 26-28 September, 2012, Villach, Austria, IEEE Conference Publications
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11. Deaky, B., Parv, L., Andrade, T., "A novel concept for configuring online laboratories", 2nd Experiment@ International Conference (EXP.AT'13), 18-20 September, 2013, Coimbra, Portugal, pp. 17-20.
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16. Deaky, B., Parv L., "Virtual Reality for Real Estate. Its evolution in Bluemind Software", 4th Experiment@ International Conference (EXP.AT'17) 6-8 June, 2017, Faro,

Portugal, Book Series: Experiment at International Conference, pp. 83-86
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17. Parv, L, Deaky, B., Stasiak-Betlejewska, R., Stawicka, J., "A customization-oriented framework for product development. Case study- energy-efficient windows", 3rd China-Romania Science and Technology Seminar (CRSTS 2018), IOP Conference Series-Materials Science and Engineering, Vol. 399, Articol Nr. UNSP 012041.
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24. Moldovean, Gh., Deaky, B., Gavrilă, C., Determinarea factorului de forma Y_F pentru angrenaje cilindrice exterioare. Bazele teoretice. Conferința Științifică Internațională TMCR, Vol. 2, p. 164-167, ISBN 978-9975-45-035-2, Chisinau, Rep. Moldova, 2007.
25. Moldovean, Gh., Deaky, B., Gavrilă, C., Influence of the cutting precision regarding the factors which influence the external gearing tooth load. Machine Design Monograph, p. 289-296, ISBN 978-86-7892-038-7, Novi Sad, Serbia, 2007.
26. Deaky, B., Influence of some of the cylindrical gearing parameters on the critical rotation speed coefficient. Proceedings of the 5th International Conference on Mechanical Engineering PhD 2007, p. 29-34, ISBN 978-80-7043-597-7, Pilsen, Czech Rep., 2007.
27. Deaky, B., "Cost-Aware Solution (Hardware and Software) for Monitoring Applications", Ann. DAAAM 2010 & Proc. 21st International DAAAM Symposium, Zadar, Croatia, 2010, pp. 0351-0353
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28. Deaky, B., Moldovean, Gh., Velicu, R., Multi-criteria optimization of the external cylindrical gears. Machine Design Monograph, p. 47-52, ISBN 978-86-7892-105-6, Novi Sad, Serbia, 2008.
29. Deaky, B., Moldovean, Gh., Study of the K_v dynamic factor using the high precision B ISO/DIN calculus method, Machine Design Monograph, p. 223-229, ISSN 1821-1259, Novi Sad, Serbia, 2009.
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31. B. Deaky, N.B. Lupulescu, R. Udrioiu, Gh. Moldovean and I. Serban, „Cylindrical Gear Rapid Manufacturing Study (Part II)”, Recent Researches in Manufacturing Engineering, 3rd WSEAS International Conference on Manufacturing Engineering, Quality and Production Systems (MEQAPS '11), April 11-13, 2011, Brasov, Romania, Published by WSEAS Press, pp.76-79

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32. B. Deaky, M.V. Dragoi, „Self-developed Software Applications For Remote Monitoring (The Desktop And Web Applications)”, in Proceedings of the 5th International Conference On Manufacturing Science And Education - MSE 2011, Vol. I, June 2-5, Sibiu, Romania, pp. 105-108
33. R. Udrioiu, B. Deaky, "Optimization Of Additive Manufacturing By 3d Printing For Fit And Functional Testing", Proceedings of the 5th International Conference On Manufacturing Science And Education - MSE 2011, Vol. I, June 2-5, 2011, Sibiu, Romania, pp. 95-98
34. B. Deaky, N.B. Lupulescu, D. Ursutiu, "Wireless Communication with the Microcontroller Student Learning Kit (MCU SLK)", Proceedings of Remote Engineering and Virtual Instrumentation (REV) 2011 conference, June 28 – July 1, 2011, Brasov, Romania, pp.180-185
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36. B. Deaky, B.S. Neagoe and N.B. Lupulescu, "The Design of a New Remote Monitoring System based on the Tower System", in proc. of the Remote Engineering & Virtual instrumentation (REV) 2012 conference, Bilbao, Spain, 4 - 6 July, 2012, pp.158-163, IEEE Conference Publications.
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37. B.S. Neagoe, B. Deaky, and I. Martinescu, "Failure Mode and Effects Analysis of a New Telemonitoring System", in proc. of the Remote Engineering & Virtual instrumentation (REV) 2012 conference, Bilbao, Spain, 4 - 6 July, 2012, pp.164-167, IEEE Conference Publications.
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38. J. Circo (Stancu), B. Deaky and N.B. Lupulescu, "A solution for remotely monitoring a new insurance policy distribution system", in proc. of the Remote Engineering & Virtual instrumentation (REV) 2012 conference, Bilbao, Spain, 4 - 6 July, 2012, pp.267-270.
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39. B. Deaky and M. Malej, "Recent developments of the own cost-aware data acquisition solution (for remote monitoring)", in proc. of the Remote Engineering & Virtual instrumentation (REV) 2012 conference, Bilbao, Spain, 4 - 6 July, 2012, pp.416-419,

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40. T. F. Andrade, B. Deaky, M. T. Restivo, M. R. Quintas, "Improving the laboratory environment by switching to embedded online labs", Proceedings of Interactive Collaborative Learning (ICL) conference, 25 - 27 September, 2013, Kazan, Russia, pp. 772 – 775, IEEE Conference Publications
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Alte lucrări și contribuții științifice

Articole publicate în reviste românești recunoscute de CNCSIS – categoria B/B+:

41. Moldovean, Gh., Deaky, B., Velicu, R, The influence of some of the cylindrical gearing parameters on the critical rotation, Annals of Oradea University, Fascicle of Management and Technological Engineering, CD-ROM Edition, Vol. VI(XVI), p. 890-897, ISSN 1583-0691, Oradea, 2007.
42. Deaky, B., Moldovean, Gh., Velicu, R. Software for Multicriteria Optimisation of External Cylindrical Gears. Annals of the Oradea University, Management and Technological Engineering (CD-Rom Edition), 2008, p.1328-1337.
43. Moldovean, Gh., Velicu, D., Deaky, B., The influence of geometrical parameters on the Z_B and Z_D gearing factors for external cylindrical gears. Annals of Oradea University, Fascicle of Management and Technological Engineering, CD-ROM Edition, Vol. VII(XVII), p. 956-963, ISSN 1583-0691, Oradea, 2008.
44. Moldovean, Gh., Deaky, B., Velicu, R. The Variation of the Y_s Bending Stress Correction Factor for External Cylindrical Gear, Annals of the Oradea University, Management and Technological Engineering (CD-Rom Edition), p. 391-396, 2009.

Lista propunerilor de proiect castigate

- "Towards Android Clients for ISA Interactive Laboratories", Unite secondment project proposal, UNITE - UpgradiNg ICT excellence by strengthening cooperation between research Teams in an enlarged Europe - FP7 – 248583, Martie 2012 – finantare al doilea stadiu in Austria la CUAS
- "Laboratory Control and Configuration Using Android Devices", Unite secondment project proposal, UNITE - UpgradiNg ICT excellence by strengthening cooperation

between research Teams in an enlarged Europe - FP7 – 248583, Februarie 2013 -
finantare stagi in Portugalia la UPORTO

Membru in alte proiecte

1. Grant tip A/2005. CREȘTEREA SIGURANȚEI ȘI DURATEI DE FUNCȚIONARE A ANGRENAJELOR HIPOIDE PRIN PROIECTAREA OPTIMIZATĂ A ACESTORA. Instituția finanțatoare CNCIS. Tema nr.11, Cod CNCIS 1027, 10840 RON, Director: Doru Velicu.
2. Grant tip A/2006. CREȘTEREA SIGURANȚEI ȘI DURATEI DE FUNCȚIONARE A ANGRENAJELOR HIPOIDE PRIN PROIECTAREA OPTIMIZATĂ A ACESTORA. Instituția finanțatoare CNCIS. Tema nr.11, Cod CNCIS 1027, 9470 RON, Director: Doru Velicu
3. Proiect tip Erasmus+, TEAL 2.0, Cod 610186-EPP-1-2019-1-LK-EPPKA2-CBHE-JP, 2019-2022, Director: Gheorghe OANCEA

Alte realizări excepționale (premii, prezentări invitate, etc.)

1. Certificat de apreciere de la IEEE Standards Association pentru contributii deosebite la dezvoltarea standardului IEEE Standard 1876™-2019 (IEEE Standard for Networked Smart Learning Objects for Online Laboratories)
2. IEEE SA 2019 Emerging Technology Award pentru grupul de lucru care a dezvoltat standardul IEEE Standard 1876™-2019
3. Proiect propus și selectat in ambele nivele ale acceleratorului FIWARE Fabulous (finanțat de CE prin FP7), 2015-2016 (mediul privat)
4. Proiect propus și selectat in programul de mentorat romano-american privind internaționalizarea produselor RICAP, 2016 (mediul privat)
5. Președinte al sesiunii speciale „Software development for education” din cadrul EDUCON 2014, Istanbul
6. Copreședinte al sesiunii speciale „Reusable solutions for Remote Laboratories” din cadrul REV 2016, Madrid
7. Câștigător al concursului internațional de proiecte ingineresti din cadrul ICAMES (International Cultural and Academic Meeting of Engineering Students) 2006, în calitate de coordonator, cu proiectul AppDefender.
8. Premiul I la ICAMES (International Cultural and Academic Meeting of Engineering Students) 2004 – sistemul software CAD/CAM Shafts D/M.

9. Premiul I la Sesiunea de Comunicare Științifică 2004 – Facultatea de Inginerie Tehnologică din Brașov – sistem CAM pentru piese tip arbore.
10. Premiul I la Sesiunea de Comunicare Științifică 2003 – Facultatea de Inginerie Tehnologică din Brașov – software pentru dimensionarea și desenarea arborilor.
11. Premiul II la Sesiunea de Comunicare Științifică 2002 – Facultatea de Inginerie Tehnologică din Brașov – programul PeNe v1.0
12. Organizator, speaker si trainer (workshop-uri) la ALT Festival, Brasov 2014 si 2015.
13. Prezentator invitat la ODD (Open Developer Days) 2009, eveniment organizat de firma Embarcadero pentru promovarea produselor RAD Studio / Delphi.