INFORMATII PERSONALE   **CRINELA   PISLARU**

Pislaru

0770 732 945

CrinelaPislaru@comsoc.org

Sex Feminin   Data nasterii – 30 Aug 1967
Nationalitate Romana

LOCUL DE MUNCA PENTRU CARE CANDIDEAZA POZITIA	Facultatea de Inginerie Electrica si Stiinta Calculatoarelor Universitatea Transilvania din Brasov Sef Lucrari

EXPERIENTA PROFESIONALA

Ian 2024 – prezent
Internship (voluntariat)
Facultatea de Inginerie Electrica si Stiinta Calculatoarelor
Universitatea Transilvania din Brasov
Ore de laborator si proiect pentru disciplinele:
Arhitectura si Organizarea Calculatoarelor - Electronica Medicala

Ian 2023 – Iunie 2023
Internship (voluntariat)
Facultatea de Inginerie Electrica si Stiinta Calculatoarelor
Ore de laborator pentru disciplina Electrotehnica si Masini Electrice

2010 – 2016
Sef Lucrari - University of Huddersfield
Ore de curs, laborator, proiect, seminar la disciplinele
Signal Analysis And Control - Electrical Engineering Principles
Electromechanical Systems - Embedded Controllers
Modelling of Electromechanical Control Systems

Nov 2006 – Iunie 2010
Cercetator (Research Fellow) - University of Huddersfield, UK
Minimisation of errors and maximisation of manufacturing capacity of machine tools – URF project
Ore de curs, laborator, proiect, seminar la disciplinele
Computer Programming - Embedded Controllers
Modelling of Electromechanical Control Systems

Feb 2006 – Oct 2006
Cercetator (Research Fellow)
University of Central Lancashire (UCLAN), Preston, UK
Sensors in condition monitoring practices (COMONET)", Knowledge Transfer Network (KTN)

Ian 2005 – Feb 2006
Asistent Universitar - Facultatea de Inginerie Electrica si Stiinta Calculatoarelor
Universitatea Transilvania din Brasov
Ore de curs, laborator, proiect, seminar la disciplinele
Actionari Electrice - Teoria Sistemelor - Sisteme Expert In Automatica

2003 – 2004
Cercetator (Research Fellow) si Co-Investigator (CI)
University of Huddersfield
Robust On-line Parameter Identification and Modelling Applied to a Precision 3-axis Machine Tool for Control
and Condition Monitoring Purposes (ROBCON)", EPSRC Grant no. GR/ S07827/ 01.

2002
Cercetator (Research Fellow) – University of Huddersfield
Using Wavelet Transform to estimate the modal parameters of the feed drives – URF project –

Pirlaw (signature)

1998 – 2001	Student la doctorat – University of Huddersfield Ore de laborator – Computer Programming, Electrical Measurement Systems
1994 – 1998	Asistent Universitar - Facultatea de Inginerie Electrica si Stiinta Calculatoarelor Ore de laborator la disciplinele - Programarea Caclculatoare, Proiectare Instalatii Electrice, Actionari Electrice – Identificarea Si Modelarea Sistemelor - Teoria Sistemelor - Sisteme Expert, Servomecanisme.
1992 – 1994	Profesor – Liceul Industrial nr 2, Brasov

EDUCATIE SI FORMARE

2024	Expert accesare fonduri europene structurale – Camera de Comert si Industrie, Brasov
2021	Master Neuro-Lingvistic Programming (NLP) licentiat IANLP – NLP Integrativ Bucuresti
2020	Practicant NLP licentiat IANLP – NLP Integrativ Bucuresti
2018	Teorii si tehnici de consiliere psihologica – terapia centrata pe client, perspective Gestalt, abordarea holistica, psihanaliza, tehnica interogativa, reflectare, sumarizare, modelare sociala - Northern College, Barnsley, UK
2012	Academic Leadership Program – University of Huddersfield, UK
2008	MSc in Multimedia and E-learning - University of Huddersfield, UK
2003	Certificat postuniversitar in Professional Development (HE Practice) – University of Huddersfield, UK
2001	Doctorat (PhD) - University of Huddersfield, UK Titlul tezei - Parameter Identification and Hybrid Mathematical Modelling Techniques Applied to Non-linear Control Systems
2000	GSCE in English language, Huddersfield Technical College - grade A
1991	Diploma De Inginer In Profilul Electric – Directia De Specializare Actionari Electrice – nota 10 la examenul de diploma si media generala 9,65 (noua 65 %) pentru 5 ani de studii. Universitatea "Transilvania" Brasov, Facultatea de Electrotehnica
1989	Certificat in Pedagogie - Universitatea "Transilvania" Brasov
1985	Liceul de Matematica-Fizica nr 1, Brasov – profil matematica - informatica

COMPETENTE PERSONALE

[Remove any headings left empty.]

Limba materna   Romana

Alte limbi straine cunoscute

INTELEGERE		VORBIRE		SCRIERE
ascultare	citire	Spoken interaction	Spoken production	
C2	C2	C1	C1	B2
		Engleza		

Alte limbi straine cunoscute

Communication skills

Abilitati foarte bune de comunicare dezvoltate prin activitati didactiice s de cercetare

Abilitate de a sustine un discurs despre subiecte avansate in fata unei audiente

Abilitati de management prin coordonare proiecte de cercetare, grupe de studenti, grup de cercetare

Organisational / managerial skills

Abilitati de lider si management dezvoltate in cadrul cercetarii si proiectelor universitare si coordonarea si organizarea de activitati stiintifice

Tehnici eficiente si productive de munca dezvoltate prin efectuarea de activitati didactice, lucru in proiecte de cercetare internationale

Digital competence   Cunostinte avansate : Matlab, Simulink, Python, C ++, JavaScripts, AWS, DBMS, Excel, GroupWise, Access

Driving licence   N/A

INFORMATII SUPLIMENTARE

Publicatii   Chartered Control Engineer cu 20 ani de experienta predare si cercetare universitara in invatamant hibrid si la distanta, aplicatii ingineria sistemelor in caile ferate si industrie, transformare digitala, sisteme expert cu autoinvatare, mentalitate deschisa in educatie.
Peste 130 lucrari publicate in publicatii de prestigiu (inclusiv 25 jurnale) – vezi Anexa 1
Lider sau participant in contracte de cercetare internationale – vezi Anexa 2

ANEXE

ANEXA 1 – Lista lucrari publicate
ANEXA 2 – Lista contracte de cercetare

ANEXA 1 - lista de lucrari publicate

CARTI SI CAPITOLE IN CARTI PUBLICATE

Pislaru, C (2015) - Workpackage 4 – Sustainable Track, D4.5 – Track Based Monitoring And Limits For Imposed Loads. In International Union of Railways - SUSTRAIL concluding report –ISBN 978-2-7461-2401-1, 196 pages, Paris July 2015.

Pislaru, C (2003) - Chapter 4.3. – Simulation Of Dynamic Processes For DC Motors – Modelling Examples. In F. Sisak, P. Raes, B. Samyn – Simulation Of The Electric Drives – Leonardo da Vinci EU project RO/01/B/F/PP 141024, Editura Lux Libris, 2003 , ISBN 973-9458 – 16 – 5, 157 pages.

Pislaru, C (2001) - Parameter Identification and Hybrid Mathematical Modelling Techniques Applied to Non-linear Control Systems, PhD Thesis, 280 pages, University of Huddersfield, UK.

INDRUMARE DE LABORATOR
- **Pislaru, C** (2015) – Module NFE 3521 – Signal Analysis and Control – Lab Manual, Univ of Huddersfield
- **Pislaru, C** (2014) – Module NME3519 – Embedded Controllers - Lab Manual, University of Huddersfield
- **Pislaru C** (2014) – Module NME3521 - Modelling Electromechanical Systems – MATLAB and SIMULINK applications, Lab Manual, University of Huddersfield, UK

LUCRARI PUBLICATE IN JURNALE
1. Kenan T., Elzawi A., **Pislaru C.,** Restoum M. (2015) - A Study on the Impact of ICT on Collaborative Learning Processes in Libyan Higher Education – Int. Journal of Learning, Teaching and Educational Research, 10(1), 172-190, ISSN 1694-2116.
2. Kenan, T., **Pislaru, C.**, Elzawi, A. (2014) – Trends and Policy Issues For The E-Learning Implementation in Libyan Universities – Int Journal of Trade, Economics and Finance 5 (1), 105-109, ISSN 2010-023X
3. Ford D.G., Castaneda V.Y.M., Longstaff A.P., **Pislaru C.** and Myers A. (2014) - Computer Numerical Control Vertical Machining Centre Feed Drive Modelling Using The Transmission Line Technique - Proc. IMechE, Part C: Journal of Mechanical Engineering Science. 229(9), 1-22. ISSN 09544062.
4. Shebani A., **Pislaru C.** (2015) - Wear Measuring And Wear Modelling Based On Archard, ASTM, and Neural Network Models - Int Journal of Mechanical, Aerospace, Industrial and Mechatronics Engineering, 9(1), 177-182.
5. **Pislaru C.,** Shebani A. (2014) - Identification Of Nonlinear Systems Using Radial Basis Function Neural Network - Int Journal of Computer, Information, Systems and Control Engineering, vol 9, 1528-1533.
6. Othman A., **Pislaru C.,** Impes A., Wilson D. (2014) - Virtual lab for teaching a computer programming course - Online Journal of Communication and Media Technologies, 2(4), 306-312.
7. **Pislaru C.,** Anyakwo A. (2014) - On Quasi-Newton Method Applied To 2D Wheel-Rail Contact Models. Int. Journal of Engineering Research and Technology, 3(3), 1962 – 1971, ISSN 2278 – 0181.
8. Othman A., **Pislaru C.** and Impes, A. (2014) - Improving the Quality of Technology-Enhanced Learning for Computer Programming Courses – Int Journal of Information and Education Technology, 4 (1), 83-88. ISSN 2010-3689
9. Othman A., **Pislaru C.,** Ahmed A. (2014) - An Improved Lab Skills Model and its Application to the Computer Science Course at Omar Al-Mukhtar University, Libya - Journal of Higher Education: Yükseköğretim Dergisi, 4 (1). 32-43. ISSN 2146-796X
10. **Pislaru C** (2013) - A Review on Real-Time Simulation of CNC Machine Tool Dynamics – Int Journal of Mechanical Engineering , 2 (5), 39-44. ISSN 2319-2240

11. Othman A., **Pislaru C.** and Impes A. (2013) - Determination of Skills Gap between school-Based Learning and Laboratory-Based Learning in Omar Al-Mukhtar University - *Int Journal of Social Science and Engineering* , 7 (10).

12. Kenan T., **Pislaru C.**, Othman A. and Elzawi A. (2013) - The social impact and cultural issues affecting the e-learning performance in Libyan Higher Education institutes – Int Journal of Information Technology & Computer Science , 12 (1), pp. 50-56. ISSN 2091-1610

13. Othman A., **Pislaru C.** and Impes A. (2013) - A Framework for Adopting Blended Learning in Traditional School Based Learning – Int Journal of Digital Information and Wireless Communications (IJDIWC) , 3 (3), 96-113. ISSN 2225-658X

14. Othman A., **Pislaru C.**, Kenan T. and Impes A. (2013) - Analysing the Effectiveness of IT Strategy in Libyan Higher Education Institutes –Int Journal of Digital Information and Wireless Communications (IJDIWC) , 3 (3), pp. 114-129. ISSN 2225-658X

15. Anyakwo A., **Pislaru C.** and Ball A. (2012) - A New Method for Modelling and Simulation of the Dynamic Behaviour of the Wheel-rail contact – Int Journal of Automation and Computing , 9 (3), 237-247. ISSN 1476-8186

16. Alseddiqi M, Mishra R. and **Pislaru, C** (2012) -The New School-Based Learning (SBL) to Work-Based Learning (WBL) Transition Module: A Practical Implementation in the Technical and Vocational Education (TVE) System in Bahrain. In: Journal of Physics: Conference Series, 364, p. 012117. ISSN 1742-6596.

17. Anyakwo A., **Pislaru C.**, Ball A., Gu F. (2012) - Modelling And Simulation Of Dynamic Wheel-Rail Interaction Using A Roller Rig, In: Journal of Physics: Conference Series, 364, p. 012060. ISSN 1742-6596

18. Ngigi R., **Pislaru C.**, Ball A., Gu F. (2012) - Modern Techniques For Condition Monitoring Of Railway Vehicle Dynamics, In: Journal of Physics: Conference Series, 364 (1), p. 012016. ISSN 1742-6596

19. **Pislaru C.**, Lane M., Ball A. and Gu F. (2012) - Fault Detection of Gearbox from Inverter Signals Using Advanced Signal Processing Techniques - Journal of Physics: Conference Series , 364, p. 012080. ISSN 1742-6596

20. Sztendel S., **Pislaru C.**, Longstaff A., Fletcher S. and Myers A. (2012) - Five-Axis Machine Tool Condition Monitoring Using dSPACE Real-Time System - Journal of Physics: Conference Series , 364, p. 012091. ISSN 1742-6596

21. Alseddiqi M, Mishra R, **Pislaru C.** (2012) - An Evaluation Quality Framework for Analysing School-Based Learning (SBL) to Work-Based Learning (WBL) Transition Module - Journal of Physics: Conference Series 364 (1), p. 012118, ISSN 1742-6596

22. Alseddiqi M, Mishra R, **Pislaru C.** (2009) - An Improved Employability Skills Model and its Compliance Through Vocational Educational System in Bahrain. Int. Journal of Learning, vol. 16(9), pp 699-718. ISSN 1447-9494

23. **Pislaru C.**, Ford DG, Holroyd G. (2004) – Hybrid Modelling and Simulation of a CNC Machine Tool Axis Drive. Proceedings of the Inst. Mech. Engrs (IMechE), Part I, Journal of Systems and Control Engineering, vol. 218, issue I2, pp. 111-120 - ISSN 0959-6518

24. **Pislaru C**, Freeman JM, Ford DG (2003) – Modal Parameter Identification for CNC Machine Tools Using Wavelet Transform. Int Journal of Machine Tools and Manufacture, 43 (10), 987 – 993. ISSN 0890-6955

25. Holroyd G, **Pislaru C.**, Ford DG (2003) – Determination of Stiffness and Damping Sensitivity for Computer Numerically Controlled Machine Tool Drives. Proc. IMechE, Part C, Journal of Mechanical Engineering Science, vol. 217, pp. 1165 – 1177. ISSN 0954-4062

LUCRĂRI PUBLICATE ÎN REVISTE ŞI VOLUME DE CONFERINŢE INTERNAŢIONALE INDEXATE ISI/BDI

1. Sava, G.I., Borza, P.N., Machedon-Pisu, M., **Pislaru, C.**, Vlase, S. (2024) – Digital Twin System for the E-mobility Transformation of Urban Public Transportation in Brasov City, Romania, Int. Conf. on Alternative Energy Sources, Materials and Technologies (AESMT 2024), Sofia, May 2024.

2. **Pislaru, C.** (2023) – Stimularea Creativitatii Prin Educatia Cu Mentalitate Deschisa, Colocviu AGIR – Creativitate – Inventica - Robotica, July 2023, Universitatea Transilvania Brasov

3. **Pislaru C.** (2023) -- Integration Of Sustainability In Higher Education Curriculum, International Summer School, From Biodiversity To Energy, Biochemical And Artificial Intelligence, Brasov, July 2023

4. Calin, MD, **Pislaru C.** (2023) - Use of Technology to Increase the Quality of Collaborative Learning Experiences for Engineering Students in the Post-Pandemic Period, Educatia 21 Jurnal, No. 25, pp.72-80, ISSN 2247-8671, ISSN-L 1841-0456, 2023, doi: 10.24193/ed21.2023.25.08.

5. Kenan T, Abuzour S, **Pislaru C**, Elzawi A. (2019) - Improving Student Achievement In Mathematics Courses Taught In Foundation Year At University, In: Eurasia Proceedings of Educational And Social Sciences (EPESS), vol 14, pp 1-12, ISSN 2587-1730.

6. Elzawi A, Wade S, Kenan T, **Pislaru C** . (2017) – Evaluation Of The Academics' Attitude Towards Internet Usage In Libyan Higher Education, In: Proc 6th International Conference On Computer, Electrical And Electronics Engineering &Technology(ICEEET-2017), London, UK, pp. 166, ISBN 978-93-86878-05-2

7. Kenan T, **Pislaru C**, Elzawi A, Wade S. (2017) - A novel I-Cube Model Used To Support The Educational Changes Through Technologies In Modern Higher Education, In: Proc 6th Int Conf On Computer, Electrical And Electronics Engineering &Technology(ICEEET-2017), London, UK, pp. 167, ISBN 978-93-86878-05-2

8. **Pislaru** C. (2016) - Case Study: Enhancing Employability for STEM Students Through Peer-Based Mentoring. Keynote speaker at Inside Government's Designing and Delivering a Quality Higher Education Curriculum forum, 3 March 2016, Houses of Parliament, London

9. Sambo B, Bevan A, **Pislaru C.** (2016) - A novel application of image processing for the detection of rail surface RCF damage and incorporation in a crack growth model. In: Proc Int Conference on Railway Engineering 2016 (ICRE), 12th - 13th May 2016, Brussels, Belgium.

10. **Pislaru C.** (2016) - Enhancing Employability Skills Of Engineering Students By Using Peer-Mentoring In Group Projects Aiming To Solve Real-World Problems, In Proc HEA conference: Inspire to succeed: Transforming teaching and learning in STEM , Nottingham, UK

11. Papananias, M., Sztendel, S. and **Pislaru, C.** (2015) - Development of a Novel MultiBody Mechatronic Model for Five-Axis CNC Machine Tool. In: Laser Metrology and Machine Performance XI, LAMDAMAP 2015. EUSPEN, Huddersfield, UK, pp. 379-389. ISBN 978-0-9566790-5-5

12. Sztendel S., Papananias M. and **Pislaru C.**(2015) - Improving the Dynamic Performance of Five-Axis CNC Machine Tool by using the Software-in-the-Loop (SIL) Platform. In: Laser Metrology and Machine Performance XI, LAMDAMAP 2015. EUSPEN, Huddersfield, UK, pp. 170-180. ISBN 978-0-9566790-5-5

13. **Pislaru C.** (2016) – Equality and Diversity in Engineering, STEM CPD project, Kirklees College Huddersfield, UK

14. **Pislaru C,** Sambo B (2014) - Condition-Based Monitoring of Wheel-Rail Interface Using a Novel Multibody Twin Disk Rig Model. In: Proc 6th IET Conference on Railway Condition Monitoring. RCM 2014, Institution of Engineering and Tech, Birmingham, UK, pp. 126-136, ISBN 978-1-84919-913-1

15. **Pislaru C** (2014) - Supporting student experience of undergraduate research and inquiry. In: 9th University of Huddersfield Teaching and Learning Conference - Building Our Learning Cultures: Putting The Teaching And Learning Strategy Into Practice, 23 June 2014, University of Huddersfield, UK.

16. Othman A, **Pislaru C** (2014) - Increasing The Quality Of Student Outcomes By Using E-Learning System In Computer Programming Courses. In: Libya Higher Education Forum, 5th-6th June 2014, London, UK.

17. Impes A, Othman A, Wilson D, **Pislaru C.** (2014) - Analysis of Communication Barriers in Technical Vocational Education System in Libya. In: Proceedings of International Conference on Communication, Media, Technology and Design. ICCMTD, Istanbul, Turkey, pp. 22-26.

18. Othman A, **Pislaru C,** Impes A, Wilson D. (2014) - Virtual Lab for Teaching a Computer Programming Course. In: Int Conf on Communication, Media, Technology and Design, April 2014, Istanbul, Turkey.

19. Elzawi A, Kenan T, Wade S, **Pislaru C.** (2013) - Exploratory Study Of The Attitudes Of Academic Staff In Libyan Universities Towards The Role Of The Internet. In Proc 8th Int Conf for Internet Technology and Secured Transactions ICITST 2013. pp. 490-493.

20. Othman A, Impes A, **Pislaru C.** (2013) - Online Interactive Module for Teaching a Computer Programming Course. In: Proc of the 12th European Conference on eLearning. ECEL 2013 . Academic Conferences and Publishing International Limited, Sophia Antipolis, France. ISBN 978-1-909507-82-1

21. Abobghala A, **Pislaru C**, Iwnicki S. (2013) - Optimising the energy efficiency of rail vehicles by a novel application of integrated active control method for vehicle traction and steering systems. In: Next Generation Rail 2013, 15 - 16 July 2013, The Crystal, London.

22. Othman A, **Pislaru C**, Kenan T, Impes A. (2013) - Attitudes of Libyan students towards ICT's applications and E-learning in the UK. In: Proc 4th Int Conf on e-Learning (ICEL2013). Society of Digital Information and Wireless Communications (SDIWC), pp. 123-129. ISBN 9780985348397

23. Othman A, **Pislaru C,** Impes A. (2013) - Improving Students' ICT Skills By Using A Novel Framework For A Lab-Based Learning Module. In: Proc. 4th Int Conference on e-Learning (ICEL2013). The Society of Digital Information and Wireless Communications (SDIWC), pp. 106-113. ISBN 9780985348397

24. Kenan T, **Pislaru C**, Elzawi A. (2013) - Investigation of e-learning implementation in HE institutions in Libya. In: School of Education and Professional Development Postgraduate Research Conference March 2013, University of Huddersfield, UK.

25. Ashari D, **Pislaru C**, Ball A. (2012) - Energy Optimisation of Sensorless Induction Motor Drives Using a Novel Robust-Adaptive Flux Simulator. In: Proc 2nd Int Electric Drives Production Conference, 15th - 18th October 2012, Nuremberg, Germany.

26. Kenan T, **Pislaru C**, Elzawi A, Restoum M. (2013) - Improving the effectiveness of collaborative learning processes in Libyan Higher Education, Published in: Proc 8th Int Conf for Internet Technology and Secured Transactions (ICITST-2013), London, IEEE Explore, DOI: 10.1109/ICITST.2013.6750233

27. Alseddiqi M, Mishra R, **Pislaru C.** (2012) - An Evaluation Quality Framework for Analysing School-Based Learning (SBL) to Work-Based Learning (WBL) Transition Module. In: Proc Int Conf COMADEM 2012, 18th-20th June 2012, University of Huddersfield, UK.

28. Alseddiqi M, Mishra R, **Pislaru C.** (2012) - The New School-Based Learning (SBL) to Work-Based Learning (WBL) Transition Module: A Practical Implementation in the Technical and Vocational Education (TVE) System in Bahrain. In: COMADEM 2012, 18th-20th June 2012, University of Huddersfield, UK.

29. **Pislaru C (2012)** - Increasing Students' Engagement by Treating Learning in Research Mode. In: Second Conference on Active and Interactive Learning, 30th March 2012, University of Bradford, UK.

30. Kenan, T., **Pislaru C**, Elzawi A. (2012) - Analysing the effectiveness of e-learning based on national and international cultures and approaches to pedagogy. In: 17th UKAIS Conference on Information Systems, 2012, 27 - 28 March 2012, New College, Oxford University.

31. **Pislaru C** (2012) - Modelling and Simulation of the Dynamic Behaviour of Wheel-Rail Interface. In: IET Event: The Railway Wheel-Rail Interface: Damage Mechanisms and Potential Solutions, 5 March 2012, University of Huddersfield.

32. Sztendel S., **Pislaru C**, Longstaff A P, Myers A, Fletcher S, Ford DG (2012) - Analysis Of Complex Interactions Between Mechanical Elements Using ANSYS And SIMULINK. In: Proc Queen's Diamond Jubilee Computing and Eng Annual Researchers' Conference 2012: CEARC'12. University of Huddersfield, Huddersfield, pp. 136-141. ISBN 978-1-86218-106-9

33. Ashari D, **Pislaru C**, Ball A, Gu F. (2012) - Artificial intelligence-based condition monitoring for practical electrical drives. In: Proc Queen's Diamond Jubilee Computing and Engineering Annual Researchers' Conference 2012: CEARC'12. University of Huddersfield, Huddersfield, p. 143. ISBN 978-1-86218-106-9

34. Kenan T, **Pislaru C** (2012) - Challenges related to e-learning implementation in higher education institutions in Libya. In: Proceedings of The Queen's Diamond Jubilee Computing and Engineering Annual Researchers' Conference 2012: CEARC'12. Univ Huddersfield, p. 151. ISBN 978-1-86218-106-9

35. Kenan T., **Pislaru C.** (2012) - Challenges related to the implementation of e-learning in higher education institutions in Libya. In: Proc Queen's Diamond Jubilee Computing and Eng Annual Researchers' Conference 2012: CEARC'12. Univ of Huddersfield, p. 116-122. ISBN 978-1-86218-106-9

36. Anyakwo A, **Pislaru C**, Ball A, Gu F. (2012) - Dynamic simulation of a roller rig. In: Proc Queen's Diamond Jubilee Computing and Eng Annual Researchers' Conference 2012: CEARC'12. University of Huddersfield, Huddersfield, pp. 51-56. ISBN 978-1-86218-106-9

37.Ngigi RW, **Pislaru C,** Ball A, Gu F. (2012) - Review of control strategies used in modern railway vehicles. In: Proc Queen's Diamond Jubilee Computing and Engineering Annual Researchers' Conference 2012: CEARC'12. University of Huddersfield, Huddersfield, p. 160. ISBN 978-1-86218-106-9

38. Elzawi A, Kenan T, Wade S, **Pislaru C.** (2012) - Bridging the Digital Divide and Enhancing the Quality of Engineering Research in Libyan Universities. In: 6th Conference on Quality in Middle East, 30 Jan - 2 Feb 2012, Hamdan Bin Mohammed University, Dubai.

39. Kenan T, **Pislaru C,** Elzawi A. (2012) - Analysis of information management and e-learning implementation in HE institutions in Libya. In: Proc 5th Conference on E-learning Excellence in the Middle East, 30 Jan - 2 Feb 2012, Dubai, United Arab Emirates.

40.Kenan T, **Pislaru C,** Elzawi A. (2011) - Comparing the impact of E-learning and ICT in Higher Education institutions in Libya and United Kingdom. In: Proc Int Conf on Education, Informatics and Cybernetics (icEIC 2011), 29 Nov - 2 Dec 2011, Orlando, Florida, USA.

41. Anyakwo A, **Pislaru C**, Ball A, Fengshou G (2011) - Modelling the Dynamic Behaviour of the Wheel-Rail Interface by Using a Novel 3D Wheel-Rail Contact Model. In: Proc 5th IET Conference on Railway Condition Monitoring and Non-Destructive Testing (RCM 2011), Derby Conference Centre, UK.

42. Ngigi RW, **Pislaru C**, Ball A, Fengshou G, Anyakwo A. (2011) - Predictive Control Strategies Used to Solve Challenges Related to Modern Railway Vehicles. In: Proc 5th IET Conference on Railway Condition Monitoring and Non-Destructive Testing (RCM 2011), Derby Conference Centre, UK.

43.Anyakwo A, **Pislaru C,** Ball A, Fengshou G. (2011) - A Novel Approach To Modelling And Simulation Of The Dynamic Behaviour Of The Wheel-Rail Interface. In: Proc 17th Int Conference on Automation & Computing. Chinese Automation and Computing Society, Huddersfield. ISBN 978-1-86218-098-7

44.Ousey K, Pislaru C. (2011) - E-learning used to develop an effective expertise of HE stakeholders – IET presentation, 9th March 2011, University of Huddersfield.

45. **Pislaru C.** (2010) - Connected World - Teaching And Supervising Home And International Students. In: Proc Conf Active and Interactive Learning – Sharing Best Practices, Nov 2010, University of Huddersfield.

46.**Pislaru C.** (2010) - Teaching And Supervising Home And International Students. In: Proc Conf Active and Interactive Learning (AIL 2010) – Sharing Best Practices, 17th November 2010, Univ of Huddersfield.

47.**Pislaru C.** (2010) - Research And Teaching - Can You Have Your Cake And Eat It Too? In: Teaching and Learning Conf 2010: Connect 2. Teaching, Learning, Research, Enterprise – Sept, Univ Huddersfield.

48.Alseddiqi M, Mishra R, **Pislaru C.** (2010) - Design and Development of an On-Line Work-Based Learning (WBL) Module to Enhance the Technical and Vocational Education (TVE) System in Bahrain. In: Global Learn Asia Pacific 2010: Global Conference on Learning and Technology. Association for the Advancement of Computing in Education (AACE), Vancouver, Canada, p. 1168. ISBN 1-880094-79-7

49.**Pislaru C.** (2010) - Development of Lifelong Learning Skills by Embedding E-learning into the Curriculum. In: HUDCETT conference, 11th May 2010, University of Huddersfield.

50. Sztendel S, **Pislaru C,** Longstaff A P, Ford DG, Myers A, Poxton A. (2010) - Linking fed drive model with structural models for CNC machine tools. In: Univ Huddersfield Annual Research Festival School of Computing and Engineering 12th March 2010.

51. Mian N, Fletcher S, Longstaff AP, Myers A, **Pislaru C.** (2010) - Novel and efficient thermal error reduction strategy for machine tool performance improvement. In: Univ Huddersfield Annual Research Festival School of Computing and Engineering 12th March 2010

52.Poxton A, Longstaff AP, Barrans S, Myers A, Fletcher S, **Pislaru C.** (2010) - Off-line investigation of machine tool non-rigid errors. In: Univ Huddersfield Annual Research Festival School of Computing and Engineering 12th March 2010.

53.**Pislaru C.** (2010) - Pedagogical Research Group - Present and Future. In: Computing and engineering research festival, 12th March 2010, University of Huddersfield.

54.**Pislaru C,** Alseddiqi M, Mishra R. (2010) - Improving work based learning with E-learning systems. In: IET West Yorkshire Network, 10th February 2010, University of Huddersfield.

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ANEXA 2 – lista contracte de cercetare

- Co-investigator - EPSRC project - Robust On-line Parameter Identification and Modelling Applied to a Precision 3 Axis Machine Tool. (ROBCON) GR/ S07827/ 01, period 2003- 2005, value 555000 GBP, Grading tending to Outstanding
- Co-investigator - EPSRC Grant no. GR/ S55057/ 01 for organising LAMDAMAP 2003 International Conference, value 3000 GBP, Grading Outstanding
- Participant in EC project, Leonardo da Vinci Programme "Virtual Electro Lab" RO/01/B/F/PP/141024, period 2002-2004, value 100000 GBP, Grading Excellent
- Principal Investigator – Collaborative Venture Fund (CVF) project - VGT Mechanism Parameter Identification and Efficient Simulation, 2010, Cummins Turbo Technologies, value 18000 GBP
- Principal Investigator – CVF project - Speed and Phase Diagnosis of Gear Faults, 2010, David Brown Gears Systems Ltd, value 6000 GBP
- Principal Investigator – CVF project - Parameter based diagnosis of electromechanical faults in a motor-inverter drive system, 2010, Optima Control Solutions, value 25000 GBP

- FP7 project - Augmented Usage of Track by Optimisation of Maintenance, Allocation and Inspection of Railway Networks (AUTOMAIN) – funded by EU – period 2011 – 2014 Grant Agreement ID – 265722 – 19 partners - https://cordis.europa.eu/project/id/265722/it
- FP7 project - The Sustainable Freight Railway: Designing The Freight Vehicle – Track System For Higher Delivered Tonnage With Improved Availability At Reduced Cost (SUSTRAIL) – funded by EU – period 2011-2015 - Grant agreement ID: 265740 – 29 partners - https://cordis.europa.eu/project/id/265740
- FP7 project - Increasing Capacity 4 Rail networks through enhanced infrastructure and optimised operations – funded by EU – period 2013 – 2017 - Grant agreement ID: 605650 – 44 partners https://cordis.europa.eu/project/id/605650

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