

**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 (IJDWC)* , 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 (IJDWC)* , 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 ȘI VOLUME DE CONFERINȚE INTERNAȚIONALE 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

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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, *Educata 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 6<sup>th</sup> 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 6<sup>th</sup> 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. 4<sup>th</sup> 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

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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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58. **Pislaru C.** (2009) - Using Blended Learning To Explain Complex Scientific Notions. In: Teaching and Learning Conference 2009 - Inspire: Delivering inspiring teaching, Sept 2009, University of Huddersfield
59. **Pislaru C.** (2009) - Improving Engineering By Using An Interactive Multimedia Learning Environment. In: Proc 16<sup>th</sup> International Conference on Learning, 1st-4th July 2009, Barcelona, Spain.
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64. **Pislaru C**, Ford DG, Sztendel S, Myers A. (2009) - Optimisation of Real-Time Implementation for High Speed Drives Models. In Proc. LAMDAMAP 2009, Brunel University, pp. 138-146.
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74. Sztendel S, **Pislaru C**, Ford DG, Myers A. (2008) - Development of experiment control graphical user interface for Hardware in the Loop (HIL) simulations. In: Int. Conference on Machine Tools, Automation and Robotics in Mechanical Engineering (MATAR 2008), Prague University, Sept 08, pp. 123-128

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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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