

Refereed Journal Articles

1. BOLTON, A.J. and IRLE, M.A. (1987). Physical Aspects of Wood Adhesive Bond Formation with Formaldehyde Based Adhesives. Part I. The Effect of Curing Conditions on the Physical Properties of Urea Formaldehyde Films. *Holzforschung* 41(3):155-158.
2. YAMANI, S.A.K. and IRLE, M.A. (1987). The Manufacture of Particleboard From Jelutong and Keruing. *Malaysian Forester* 50(4):354-366.
3. IRLE, M.A. and BOLTON, A.J. (1988). Physical Aspects of Wood Adhesive Bond Formation with Formaldehyde Based Adhesives. Part II. Binder Physical Properties and Particleboard Durability. *Holzforschung* 42(1):53-58.
4. IRLE, M.A. and BOLTON, A.J. (1991). Physical Aspects of Wood Adhesive Bond Formation with Formaldehyde Based Adhesives. Part III. The Creep Behaviour of Formaldehyde Based Resins at Different Relative Humidities. *Holzforschung* 45(1):69-73.
5. IRLE, M.A. and ELIAS, R. (1994). Quality MDF: An Academic Approach. *Journal of the Institute of Wood Science* 13(3):437-442.
6. IRLE, M.A. and JUMA, J.H. (1995). PEG Treated Fibres for Panel Products. *LES* 47(7-8):213-215.
7. ELIAS, R. and IRLE, M.A. (1996). The Acidity of Stored Sitka Spruce Chips. *Holz als Roh-und Werkstoff* 54(1):65-68.
8. IRLE, M.A. and LOXTON, C. (1996). The Manufacture and Use of Panel Products in the UK. *Journal of the Institute of Wood Science* 14(1):21-26.
9. SEKINO, N. and IRLE, M.A. (1996). Particleboard Hygroscopicity: Its Prediction and the Influence of Hot Pressing. *Mokuzai Gakkaishi* 42(1):1-8.
10. SEKINO, N., INOUE, M. and IRLE, M.A. (1997). Thickness Swelling and Internal Bond Strength of Steam Pretreated Particleboards. *Mokuzai Gakkaishi* 43(12):1009-1015.
11. GILLAH, P., IRLE, M.A. and AMARTEY, S.A. (1998). Sisal Fibres as a Potential Raw Material for Medium Density Fibreboard Production in Tanzania. *Annals of Forestry* 6(2):159-172.
12. SEKINO, N., INOUE, M., IRLE, M.A. and ADCOCK, T. (1999). The Mechanisms Behind the Improved Dimensional Stability of Particleboards Made from Steam-Pretreated Particles. *Holzforschung* 53(4):435-440.
13. MOARCAS, O. and IRLE, M.A. (1999). Determination of Poisson's Ratio for Particleboard by Using Pure Bending. *Wood Science and Technology* 33(5):439-444.
14. GILLAH, P., IRLE, M.A., and MAHER, K. (2000). Properties of a Novel Three-Layer MDF Panel Made with Wood and Sisal Nonwoven Mattresses. *The International Forestry Review* 2(2):90-96.
15. TIMAR, M.C., MIHAI, M.D., MAHER, K. and IRLE, M.A. (2000). Preparation of Wood with Thermoplastic Properties. Part 1: Classical Synthesis. *Holzforschung* 54(1):71-76.
16. TIMAR, M.C., MAHER, K., IRLE, M.A. and MIHAI, M.D. (2000). Preparation of Wood with Thermoplastic Properties. Part 2: Simplified Technologies. *Holzforschung* 54(1):77-82.

17. LUO, G., OSYPIW, D. and IRLE, M.A. (2000). Real-Time Condition Monitoring by Significant and Natural Frequencies Analysis of Vibration Signal with Wavelet Filter and Autocorrelation Enhancement. *Journal of Sound and Vibration* 236(3):413-430.
18. GILLAH, P., IRLE, M.A. and AMARTEY, S.A. (2000). Development and Production of Laboratory Scale Novel MDF Panels from Composite and Nonwoven Mattresses of Sisal and Wood Fibre Mixtures. *Holz als-Roh-und Werkstoff* 58(5):324-330.
19. GILLAH, P., IRLE, M.A., AMARTEY, S.A. and MAHER, K. (2001). Novel Medium Density Fibre Board from Wood Fibre Nonwoven Mattresses. *Annals of Forestry* 9(2):235-248.
20. FRADINHO, D.M., NETO, C.P., EVTUGUIN, D., JORGE, F.C., IRLE, M.A., GIL, M.H. and PEDROSA DE JESUS, J. (2002). Chemical Characterisation of Bark and of Alkaline Bark Extracts from Maritime Pine Grown in Portugal. *Industrial Crops and Products* 16(1):23-32.
21. JORGE, F.C., PASCOAL, C., IRLE, M.A., GIL, M.H. and PEDROSA DE JESUS, J. (2002). Wood Adhesives Derived from Alkaline Extracts of Maritime Pine Bark: Preparation, Physical Characteristics and Bonding Efficacy. *Holz als-Roh-und Werkstoff* 60(4):303-310.
22. KARADE, S., MAHER, K. and IRLE, M.A. (2002). Use of Lignocellulosic Wastes For Sustainable Construction. The American Society of Civil Engineers, <http://www.ceworld.org/ceworld/Presentations/Materials/Karade.cfm>, November 2002.
23. LUO, G., OSYPIW, D. and IRLE, M.A. (2002). Wavelet Vibration Analysis of the Machining Process for Real-Time Wood Density Estimation. *Journal of the Institute of Wood Science* 16(1):44-54
24. LUO, G., OSYPIW, D. and IRLE, M.A. (2002). Vibration Modelling with Fast Gaussian Wavelet Algorithm. *Advances in Engineering Software* 33(2002):191-7.
25. PEREIRA, C., JORGE, F.C., IRLE, M.A., and FERREIRA, J.M. (2003). Extractive Contents of Two Woods and Cork of Portuguese Origin and the Interaction of these Substrates with Cement Suspensions. *Forest Products Journal* 53(10):1-5.
26. LUO, G., OSYPIW, D. and IRLE, M.A. (2003). Surface Quality Monitoring for Process Control by On-line Vibration Analysis Using an Adaptive Spline Wavelet Algorithm. *Journal of Sound and Vibration* 263 (1):85-111.
27. LUO, G., OSYPIW, D. and IRLE, M.A. (2003). On-line Vibration Analysis with Fast Continuous Wavelet Algorithm for Condition Monitoring of Bearings. *Journal of Vibration and Control* 9(8):931-947.
28. KARADE, S., IRLE, M.A. and MAHER, K. (2003). Assessment of Wood-Cement Compatibility: A New Approach. *Holzforschung* 57(6):672-680.
29. TIMAR, M.C., MAHER, K., IRLE, M.A. and MIHAI, M.D. (2004). Thermal forming of chemically modified wood to make high-performance plastic-like wood composites. *Holzforschung* 58(5):519-28.
30. GURAU, L., MANSFIELD-WILLIAMS, H. and IRLE, M.A. (2005). Processing Roughness of Sanded Wood Surfaces. *Holz als Roh-und Werkstoff* 63(1):43-52 (*Online First* 26/11/04).
31. GURAU, L., MANSFIELD-WILLIAMS, H. and IRLE, M.A. (2005). The Influence of Wood Anatomy on Evaluating the Roughness of Sanded Solid Wood. *Journal of Institute of Wood Science* 17(2):65-74.

Books

32. JORGE, F.C., NETO, C.P., IRLE, M.A., GIL, M.H. and PEDROSA DE JESUS, J. (2005). Study of the alkaline extraction of bark for formaldehyde condensable substances. *Journal of Institute of Wood Science* 16(6):326-32.
33. GURAU, L., MANSFIELD-WILLIAMS, H. and IRLE, M.A. (2006). Filtering the Roughness of a Sanded Wood Surface. *Holz als Roh-und Werkstoff* 64(5):363-71 (Online First 17/1/06).
34. KARADE, S., IRLE, M.A. and MAHER, K. (2006). Influence of Granule Properties and Concentration on Cork-Cement Compatibility. *Holz als Roh-und Werkstoff* 64(4):281-286 (Online First 10/3/06).
35. PEREIRA, C., JORGE, F.C., IRLE, M.A., and FERREIRA, J.M. (2006). Characterising the Setting of Cement when Mixed with Cork, Blue Gum or Maritime Pine. I. Temperature Profiles and Compatibility Indexes. *Journal of Wood Science* 52(4):311-7.
36. PEREIRA, C., JORGE, F.C., IRLE, M.A., and FERREIRA, J.M. (2006). Characterising the Setting of Cement when Mixed with Cork, Blue Gum or Maritime Pine. II. X-Ray Diffraction and Differential Thermal Analyses. *Journal of Wood Science* 52(4):318-24.
37. GURAU, L., MANSFIELD-WILLIAMS, H. and IRLE, M.A. (2007). Separation of processing roughness from anatomical irregularities and fuzziness to evaluate the effect of grit size on sanded European oak. *Forest Products Journal* 57(1/2):110-5.
38. GURAU, L., MANSFIELD-WILLIAMS, H., IRLE, M., CIONCA, M. (2009). Form error removal of sanded wood surfaces. *Eur. J. Wood Prod.* (2009) 67: 219–227 (Online First 21/2/09).
39. NCUBE, E., MANSFIELD-WILLIAMS, H. and IRLE, M.A. (2010). The transversal compression behaviour of mature wood particles pressed at high temperatures and pressures. *Forests and Forest Products Journal* 3:1-11, 2010.
40. PEREIRA, C., JORGE, F.C., FERREIRA, J.M.F. and IRLE, M.A. (2011). Characterization of Cement-Bonded Particleboards Manufactured with Maritime Pine, Blue Gum and Cork Grown in Portugal. *Eur. J. Wood Prod.* (2012) 70:107-11(Online First 4/3/11).
41. GUEZGUEZ, B., IRLE, M.A. and BELLONCLE, C. (2011). The substitution of formaldehyde-based adhesives with soy-based adhesives in the production of low formaldehyde emission wood based panels. Part 1. Plywood. Accepted for the *International Wood Products Journal*.
42. BOUSLAMTI, A., BELLONCLE, C., IRLE, M.A., SALVADOR, V., BONDU, M. and CARON, B. (2011). Why Simulate a Sample of Recycled Wood? Accepted for *MADERAS: Ciencia y Tecnologia* 14(2):2012.

Books

1. LUO, G., OSYPIW, D. and IRLE, M.A. (2000). Vibration Modelling and Identification with Fourier Transform, Wavelet Analysis and Least-Squares Algorithm. In: *Multi-Body Dynamics: Monitoring & Simulation Techniques II*, edited by Rahnejet, H., Ebrahim, M. and Whalley, R. Professional Engineering Publishing Ltd., pp 313-326.
2. LUO, G., OSYPIW, D. and IRLE, M.A. (2002). Tool Wear Monitoring by On-line Vibration Analysis with Wavelet Algorithms. In: *Metal Cutting and High Speed Machining*, edited by Dudzinski, D. Molinari, A. and Schulz, H. Kluwer Academic/Plenum Publishers (ISBN 0-306-46-725-9).

Other Publications

3. KARADE, S.R., IRLE, M.A., MAHER, K. and CALDIERA, F. (2002). Cork granules as lightweight aggregate. In: *Sustainable Concrete Construction*, edited by R.K. Dhir, T.D. Dyer, J.E. Halliday. Thomas Telford, London pp. 253-262.
4. FAN, M., OHLMEYER, M., IRLE, M., HAELVOET, W., ATHANASSIADOU, E., ROCHESTER, I. (Editors) (2009). *Performance in use and new products of wood based composites*. Brunel University Press, ISBN: 978-1-902316-75-8.
5. IRLE, M.A. (Editor) (2009). *Proceedings of the Final Conference of COST Action E49*. COST Action E49, September, 2009.
6. IRLE, M.A. (2010). The Cleanliness of Recovered Wood. In ROWELL, R., CALDEIRA JORGE, F. and ROWELL, J.K. (editors) *Sustainable Development in the Forest Products Industry*. Fernando Pessoa University Press, Oporto (ISBN 978-989-643-034-4).
7. IRLE, M.A. and BARBU, M.C. (2010). Wood-Based Panel Technology. In THOEMEN, H., IRLE, M.A. and SERNEK, M. (Editors). *Wood-Based Panels: An Introduction for Specialists*. Brunel University Press, (ISBN: 978-1-902316-82-6).
8. GURAU, L., MANSFIELD-WILLIAMS, H. and IRLE, M.A. (2011). Evaluating the Roughness of Sanded Wood Surfaces. In: *WOOD MACHINING*, edited by Professor J. Paulo DAVIM. ISTE-Wiley, London (ISBN: 9781848213159).
9. GURAU, L., MANSFIELD-WILLIAMS, H. and IRLE, M.A. (2012). A Quantitative Method to Measure the Surface Roughness of Sanded Wood Products. In: ??, edited by Professor J. Paulo DAVIM. ISTE-Wiley, London (ISBN: ??).

Other Publications

1. IRLE, M.A. (1982). Comparison Between Chloral and Thiourea Labelled Resins with a Normal Urea Formaldehyde Resin. Honour's Project, University College of North Wales, Bangor.
2. IRLE, M.A. and BOLTON, A.J. (1987). Some Observations on the Relationship Between Particleboard Durability and Binder Creep Characteristics. *Proceedings of Adhesion '87*, pp I/1-I/7. Plastics & Rubber Institute.
3. HALL, G., IRLE, M.A. and KIDNEY, G. (1988). Softwood Drying in Canada and USA. Outward Science and Technology Expert Mission Report, December 1988, Timber Research And Development Association.
4. IRLE, M.A. (1988). A literature review on recent developments in particleboard binder technology. Consultancy report.
5. IRLE, M.A. (1989). The Measurement of Very Small Distances Very Quickly. *Y Coedwigwr* Vol. 39, pp 43-45.
6. BANKS, W.B., CRAGG, S., GIBSON, E. and IRLE, M.A. (1991). Review of Training Opportunities for the Wood Industries in ASEAN Countries. Consultancy report.
7. IRLE, M.A. and SIMPSON, H. (1992). Agricultural Residues for Cement Bonded Composites. *Proceedings of the 3rd International Inorganic Bonded Wood and Fiber Composite Materials Conference*, Spokane, Washington.
8. IRLE, M.A. (1992). Critical Review of Cement Bonded Board Manufacture for Pyrok Manufacturing Ltd. Consultancy report.

Other Publications

9. IRLE, M.A. (1992). Chipboard from Waste Paper. *Innovation*, University Ideas for Industry, No. 22, December, 1992, p 3.
10. ELIAS, R. and IRLE, M.A. (1994). Quality MDF: Technology and Control. Proceedings of *Institute of Wood Science Annual Conference*, 1994.
11. ELIAS, R. and IRLE, M.A. (1994). Welsh MDF. *Institute of Wood Science Newsletter*, July, 1994.
12. IRLE, M.A. (1994). The Effects of Adhesive Physical Properties on the Weather Resistance of Wood Based Composites. Proceedings of the 1st *International Conference on the Development of Wood Science/Technology and Forestry*, July 1994, Buckinghamshire College, High Wycombe, UK.
13. ADCOCK, T. and IRLE, M.A. (1995). The Study of Thickness Swelling in Particleboards by Measuring the Compressibility and Recovery of Individually Pressed Particles. Proceedings of the *COST 508 Wood Mechanics Workshop on Mechanical Properties of Panel Products*, Watford, March, 1995.
14. IRLE, M.A. and ADCOCK, T. (1995). The Compression and Recovery of Hot-Pressed Particles. Proceedings of the 29th *International Particleboard/Composite Materials Symposium*, Washington State University, April, 1995.
15. IRLE, M.A. and CHAN, W.W.L. (1995). On Line Conformity Testing. Presented to the WPPF Technical Committee, September, 1995.
16. ADCOCK, T. and IRLE, M.A. (1996). Stress Relaxation and Dimensional Stability of Hot Pressed Particles. Proceedings of the 2nd *International Conference on the Development of Wood Science, Technology and Forestry*, April 1996, Sopron, Hungary.
17. IRLE, M.A. and LOXTON, C. (1996). The Manufacture and Use of Panel Products in the UK. In Proceedings of the *Annual Conference of the Institute of Wood Science*, April 1996, Edinburgh. Also reprinted in the *Cabinet Maker Magazine*, 1996.
18. LIU, T., AI-KHODAIRI, F., WU, M., IRLE, M., FERNANDO, G.F. (1996). In-situ strain monitoring in composites using an embedded extrinsic Fabry-Perot interferometric sensor and a CCD detection system. *Proceedings of SPIE - The International Society for Optical Engineering* Volume 2895, 1996, Pages 279-287
19. MANSFIELD-WILLIAMS, H. and IRLE, M.A. (1996). Neural Network Modelling of the Effects of Production Variables on Medium Density Fibreboard Thickness. In proceedings of the *European Workshop on Application of Statistics and Probabilities in Wood Mechanics*, Bordeaux, February, 1996.
20. MOARCAS, O., MANSFIELD-WILLIAMS, H., and IRLE, M. (1996). Modelling the effects of concentrated loads on chipboard floors. Proceedings of the *International Symposium on Nondestructive Testing Of Wood - 1996 ; 10th ;* Pages: 414.
21. ROSE, J.D.B., LIVINGSTONE, G.D., MAHER, K. and IRLE, M.A. (1996). The Corrosion Blunting of Saw Steel, TCT and Stellite Tipped Saw Teeth. Proceedings of the 2nd *International Conference on the Development of Wood Science, Technology and Forestry*, April 1996, Sopron, Hungary.
22. ADCOCK, T. and IRLE, M.A. (1996). The Role of Wood in the Swelling of Particleboards. Proceedings of the *Joint Wood-Based Panels Symposium: 3rd EUROWOOD Symposium and 4th FESYP Technical Conference*, October 1996, Braunschweig, Germany.

Other Publications

23. SEKINO, N., INOUE, M., IRLE, M.A. and ADCOCK, T. (1996). Dimensional Stabilisation of Particleboards by Steam Pretreatment: The mechanisms involved. Proceedings of the *Third Pacific Rim Bio-Based Composites Symposium*, Kyoto, Japan December, 1996.
24. JORGE, F., NETO, C.P., IRLE, M.A., LAWOTHER, M., GIL, H. and DE JESUS, J.P. (1997). Application of Differential Scanning Calorimetry to the Development of Pine Bark Extract-Based Tannins. Proceedings of *51st Annual Meeting of the Forest Products Society*, June, 1997, Vancouver, Canada.
25. ADCOCK, T. and IRLE, M.A. (1997). The Effect of Compaction Ratio on Dimensional Recovery of Wood Particles Pressed Perpendicular to the Grain. In Proceedings of *First European Panel Products Symposium*, Llandudno, 9-10 October, 1997.
26. IRLE, M.A. and ADCOCK, T. (1997). The Potential of Using Stiffness as a Predictor of Particleboard Bending Strength. In Proceedings of *Workshop on Non-Destructive Testing of Panel Products*, Llandudno, 11 October, 1997.
27. JORGE, F., NETO, C.P., IRLE, M.A., LAWOTHER, M., GIL, H. and DE JESUS, J.P. (1997). Pine Bark Extract-Based Adhesives. A First Approach in Portugal: Problems and Perspectives. In Proceedings of *First European Panel Products Symposium*, Llandudno, 9-10 October, 1997.
28. MOARCAS, O. and IRLE, M.A. (1997). NDT Method to Determine the Poisson's Ratio for C4M 18 mm Thick Particleboards. In Proceedings of *Workshop on Non-Destructive Testing of Panel Products*, Llandudno, 11 October, 1997.
29. MOARCAS, O. and IRLE, M.A. (1997). Internal Bond, MOE, MOR and Density Profiles of C4M 18 mm Thick Particleboards. In Proceedings of *First European Panel Products Symposium*, Llandudno, 9-10 October, 1997.
30. TIMAR, M-C., MIHAI, M., IRLE, M.A. and MAHER, K. (1997). Chemically Modified Wood for Injection Moulding. In Proceedings of *Workshop on Non-Destructive Testing of Panel Products*, Llandudno, 11 October, 1997.
31. GILLAH, P.R. and IRLE, M.A. (1998). Development and Production of Laboratory Scale Novel MDF Panels from Composite and Nonwoven Mattresses. In Proceedings of *Second European Panel Products Symposium*, Llandudno, 21-22 October, 1998.
32. IRLE, M.A. (1998). Squashed Chips! *EG&G Newsletter*, 1998.
33. IRLE, M.A. (1998). The Forest Products Research Centre. *Technology Letters* 2(2):43-47.
34. IRLE, M.A., ADCOCK, T., and SEKINO, N. (1998). The Rheological Behaviour and Dimensional Stability of Steam Pre-treated Particles. In Proceedings of *Second European Panel Products Symposium*, Llandudno, 21-22 October, 1998.
35. JORGE, F., NETO, C.P., IRLE, M.A., GIL, H. and DE JESUS, J.P. (1998). Wood Adhesives Based on Self-Condensation of Pine Bark Tannins. In Proceedings of *Second European Panel Products Symposium*, Llandudno, 21-22 October, 1998.
36. MOARCAS, O. and IRLE, M.A. (1998). The Performance of T&G Joints Subjected to Concentrated Loads. In Proceedings of *Second European Panel Products Symposium*, Llandudno, 21-22 October, 1998.
37. SEKINO, N., INOUE, M., and IRLE, M.A. (1998). The Swelling Stress and Bond Quality of Steam Treated Particles. In Proceedings of *Second European Panel Products Symposium*, Llandudno, 21-22 October, 1998.

Other Publications

38. GILLAH, P.R., IRLE, M.A. and MAHER, K. (1999). Production of a Novel MDF Panel from Wood Fibre Nonwoven Mattresses Produced by the Dry Mattress Forming Method. In Proceedings of *The First Postgraduate Conference*, Buckinghamshire Chilterns University College, 24th February 1999.
39. GILLAH, P.R., IRLE, M.A. and MAHER, K. (1999). Properties of a Three-Layer MDF Panel Produced from Wood Fibres and Nonwoven Mattresses. In Proceedings of *The Fourth International Conference on the Development of Wood Science, Wood Technology and Forestry*, 14-16 July, 1999, Great Missenden, UK.
40. GILLAH, P.R., THUMM, A. and IRLE, M.A. (1999). The Use Of Confocal Microscopy And Image Analysis To Estimate Fibre Alignment In Different MDF Panels. In Proceedings of *Third European Panel Products Symposium*, Llandudno, October, 1999.
41. IRLE, M.A. (1999). An Investigation of the Influence of Wood Density on the Rheological Behaviour and Dimensional Stability of Hot-Pressed Particles. In Proceedings of *Third European Panel Products Symposium*, Llandudno, October, 1999.
42. IRLE, M.A., MATTHEWS, B., EVANS, A., PITMAN, A., and COMBEN, A. (1999). Editors of the proceedings of the *Fourth International Conference on Wood Science and Forestry*, July 1999, Great Missenden, UK.
43. JORGE, F., BRITO, P., PEPINO, L., PORTUGAL, A., GIL, H., IRLE, M.A. and DA COSTA, R.P. (1999). Improved Extraction of Pine Bark for Wood Adhesives. In Proceedings of *Third European Panel Products Symposium*, Llandudno, October, 1999.
44. MANSFIELD-WILLIAMS, H. and IRLE, M.A. (1999). The Manufacture of Laminated Veneer Lumber from Mixed Quality Hardwoods. In Proceedings of the *International Conference on Effective Utilisation of Plantation Timber*, 21-23 May 1999, Chi-Tou, Taiwan.
45. IRLE, M.A. (2000). The RAE: What is it?. *Research Matters* Issue 11, July 2000, Buckinghamshire Chilterns University College.
46. IRLE, M.A. (2000). Cell Wall Collapse and the Pressing of Particleboards. In Proceedings of *European Panel Products Symposium 2000*, Llandudno, October, 2000.
47. IRLE, M.A. (2000). Technical Terms: Characteristic values. *Wood Based Panels International* 20(6):56.
48. LUO, G., OSYPIW, D. and IRLE, M.A. (2000). Application of Time-scale Gaussian Wavelet based Fast Algorithm for Vibration Transients Detection. In Proceedings of IEE Electronics & Communications Seminar on Time-scale and Time-frequency Analysis and Applications pp 16/1-16/7, 29 February 2000, London, UK.
49. LUO, G., OSYPIW, D. and IRLE, M.A. (2000). Vibration Analysis and Modelling using Gaussian Wavelet Algorithm. In *Abstracts of papers presented to the American Mathematical Society*, Volume 21, Issue 3, AMS Meeting, University of Toronto, Canada, September 23-24, 2000.
50. MOARCAS, O. and IRLE, M.A. (2000). Modulus of Rupture and its Importance in the Design of C4 (M) Particleboard Used in Domestic Flooring. In *Poster Abstracts of FORESTS AND SOCIETY: The Role Of Research*. Vol 111, XXI IUFRO WORLD CONGRESS 7-12 August 2000, Kuala Lumpur, MALAYSIA.
51. GURAU, L., MANSFIELD-WILLIAMS, H. and IRLE, M.A. (2001). A Comparison of the Laser Triangulation and Stylus Methods for Measuring the Roughness of Sanded Wood Surfaces. In Proceedings of *Fifth International Conference on Wood Science and Forestry*, September 2001, Ljubljana, Slovenia.

Other Publications

52. IRLE, M.A. (2001). Technical Terms: Dimensional stability. *Wood Based Panels International* 21(1):48.
53. IRLE, M.A. (2001). Technical Terms: Wood swelling. *Wood Based Panels International* 21(2):48.
54. IRLE, M.A. (2001). Technical Terms: Compaction Ratio. *Wood Based Panels International* 21(3):52.
55. IRLE, M.A. (2001). Technical Terms: Panel adhesives. *Wood Based Panels International* 21(4):48.
56. IRLE, M.A. (2001). Technical Terms: On-line conformity testing. *Wood Based Panels International* 21(5):60.
57. IRLE, M.A. (2001). Technical Terms: Continuous Hot-presses. *Wood Based Panels International* 21(6):48.
58. IRLE, M.A. (2001). A Preliminary Investigation into the Compatibility of Granulated Cork with Ordinary Portland Cement. In Proceedings of *Fifth International Conference on Wood Science and Forestry*, September 2001, Ljubljana, Slovenia.
59. KARADE, S.R., IRLE, M.A. and MAHER, K. (2001). Physico-Chemical Aspects of the Use of Cork in Cementitious Composites. In Proceedings of *Fifth International Conference on Wood Science and Forestry*, September 2001, Ljubljana, Slovenia.
60. IRLE, M.A. and KWON, J.H. (2001). Visualisation of Cell Wall Collapse caused by the Hot-Pressing of Wood Particles. In Proceedings of the *Fifth European Panel Products Symposium*, Llandudno, October, 2001.
61. PEREIRA, C., JORGE, F.C., IRLE, M.A. and FERREIRA, J.M. (2001). Investigation of the Extractives of Portuguese Maritime Pine, Blue Gum and Cork, to Understand their Influence on Cement Hardening. First Data: Extractive Contents. In Proceedings of the *Fifth European Panel Products Symposium*, Llandudno, October, 2001.
62. JOY, D. and IRLE, M.A. (2001). The Effect of Gaseous SO₂ Treatment on the Dimensional Stability of Radiata Pine Chips. In Proceedings of the *Fifth European Panel Products Symposium*, Llandudno, October, 2001.
63. LUO, G., OSYPIW, D. and IRLE, M.A. (2001). Tool Wear Monitoring by On-line Vibration Analysis with Wavelet Algorithm. Accepted for Proceedings of Third International Conference on Metal Cutting and High Speed Machining, 27-29 June, 2001, Metz, France.
64. IRLE, M.A. (2002). Real Cost of RAE Cuts. Letter to the Editor *Times Higher Education Supplement* published 22nd February 2002.
65. IRLE, M.A. (2002). It's a wrap! *Research Matters* Spring 2002, Buckinghamshire Chilterns University College.
66. IRLE, M.A. (2002). Technical Terms: Recycled Wood for Particleboard. *Wood Based Panels International* 22(1):48.
67. IRLE, M.A. (2002). Technical Terms: Cleaning Recycled Wood for Particleboard. *Wood Based Panels International* 22(2):56.
68. IRLE, M.A. (2002). Technical Terms: Elasticity, Plasticity and Viscoelasticity. *Wood Based Panels International* 22(3):48.
69. IRLE, M.A. (2002). Technical Terms: Density Profiles. *Wood Based Panels International* 22(4):60.
70. IRLE, M.A. (2002). Technical Terms: Plywood Structure. *Wood Based Panels International* 22(5):56.

Other Publications

71. IRLE, M.A. (2002). Technical Terms: Thermosetting and Thermoplastic Adhesives. *Wood Based Panels International* 22(6):56.
72. IRLE, M.A. and ORMONDROYD, G. (2002). A Sampling Protocol for the Determination of Contaminant Levels in Raw Materials and Finished Board Products. In Proceedings of the *Sixth European Panel Products Symposium*, Llandudno, October, 2002.
73. KARADE, S.R., IRLE, M., MAHER, K., CALDIERA, F. (2002). Cork Granules As Lightweight Aggregates. In Proceedings of *International Congress - Challenges of Concrete Construction*, University of Dundee, September 2002, ISBN 0-7277-3177-7.
74. PEREIRA, C., JORGE, F.C., IRLE, M.A. and FERREIRA, J.M. (2002). The Interaction of Calcium and Other Cations With Lignocellulosic Substrates, and Their Influence on Cement Setting. In Proceedings of the *Sixth European Panel Products Symposium*, Llandudno, October, 2002.
75. GURAU, L., MANSFIELD-WILLIAMS, H. and IRLE, M.A. (2002). An Analysis of Wood Surface Roughness Data. In Proceedings of the *NDT2002 Conference*, Berkeley, 19-21 August, 2002.
76. FRU, C., IRLE, M.A., MAHER, K. and ORMONDROYD, G. (2003). A Protocol for the Sampling of Recycled Wood and the Resulting Chipboard for Contaminant Analysis. In Proceedings of the *Seventh European Panel Products Symposium*, Llandudno, October, 2003.
77. IRLE, M.A. (2003). Technical Terms: Wood Fibres. *Wood Based Panels International* 23(1):56.
78. IRLE, M.A. (2003). Technical Terms: Classifying Particleboards. *Wood Based Panels International* 23(2):72.
79. IRLE, M.A. (2003). Technical Terms: Resin Spotting in Fibreboards. *Wood Based Panels International* 23(3):52.
80. IRLE, M.A. (2003). Technical Terms: Blowline Conditions. *Wood Based Panels International* 23(4):56.
81. IRLE, M.A. (2003). Technical Terms: Role of Adhesives. *Wood Based Panels International* 23(5):56.
82. IRLE, M.A. (2003). Technical Terms: Surface Roughness of Sanded Panels. *Wood Based Panels International* 23(6):56.
83. IRLE, M.A., FRU, C. MAHER, K. and ORMONDROYD, G. (2003). The Measurement of Contaminants in Recycled Wood and Products Made From Recycled Wood. In Proceedings of the *Seventh European Panel Products Symposium*, Llandudno, October, 2003.
84. KARADE, S. and IRLE, M.A. (2003). An Investigation of Cork-Cement Composites (3C). Poster presentation at Ecoplaire, 4th December, 2003, Nantes, France.
85. NCUBE, E., IRLE, M.A. and MANSFIELD-WILLIAMS, H. (2003). An Investigation of the Rheological Behaviour of Wood Particles During Hot-Pressing. In Proceedings of the *Seventh European Panel Products Symposium*, Llandudno, October, 2003.
86. PEREIRA, C., JORGE, F.C., IRLE, M.A. and FERREIRA, J.M. (2003). Improving the Compatibility of Pine, Eucalypt and Cork with Portland Cement for the Manufacture of Panel Products. In Proceedings of the *Seventh European Panel Products Symposium*, Llandudno, October, 2003.
87. IRLE, M.A. (2004). Technical Terms: Heat Transfer in Mattresses. *Wood Based Panels International* 24(1):60.

Other Publications

88. IRLE, M.A. (2004). Technical Terms: Steam Path Length. *Wood Based Panels International* 24(2):56.
89. IRLE, M.A. (2004). Technical Terms: Cement Bonded Particleboards. *Wood Based Panels International* 24(3):48.
90. IRLE, M.A. (2004). Technical Terms: Formaldehyde Announced as a Carcinogen. *Wood Based Panels International* 24(4):60.
91. IRLE, M.A. (2004). Technical Terms: Formaldehyde. *Wood Based Panels International* 24(5):56.
92. IRLE, M.A. (2004). Technical Terms: Density. *Wood Based Panels International* 24(6):56.
93. IRLE, M.A., FRU, C. and MAHER, K. (2004). An Investigation of the Metal Contaminants in Recycled Wood and Particleboards Made From Recycled Wood. In *Proceedings of the 1st Conference of COST Action E31*, 22-24 April, 2004, Thessaloniki, Greece.
94. IRLE, M.A., FRU, C. MAHER, K. and SAWYER, G. (2004). The Detection and Measurement of Metal Contaminants in Recycled Wood Intended for the Manufacture of Particleboards. In *Proceedings: Eighth European Panel Products Symposium*, Llandudno, October, 2004.
95. IRLE, M.A., MAHER, K., FRU, C. and SAWYER, G. (2004). *Development of Methods and Sampling Protocols for Measuring Contaminants in Recycled Wood for use in the Panelboard Sector*. R&D Final Report, The Waste & Resources Action Programme, Banbury, UK. Available at: http://www.wrap.org.uk/templates/temp_publication.rm?id=698&publication=302.
96. IRLE, M., KARADE, S.R. and MAHER, K. (2004). Floating Concrete! Light-Weight Concrete from Granulated Cork Waste. In *Proceedings: International Conference on Environmentally Compatible Forest Products*, 22-24 September, 2004.
97. NCUBE, E., IRLE, M.A. and MANSFIELD-WILLIAMS, H. (2004). Behaviour of Radial and Tangential Faced Particles During Hot Pressing. In *Proceedings: Eighth European Panel Products Symposium*, Llandudno, October, 2004.
98. PEREIRA, C., JORGE, F.C., IRLE, M.A., and FERREIRA, J.M. (2004). Recycling of cork residues into cork-cement panels or light-weight concrete. In *Proceedings: International Conference on Environmentally Compatible Forest Products*, 22-24 September, 2004.
99. PEREIRA, C., JORGE, F.C., IRLE, M.A., FERREIRA, J.M., NEVES, A.S. and COUTINHO, J.S. (2004). Development, Manufacture and Characterisation of Cement-Bonded Panels of Maritime Pine, Blue Gum and Cork. In *Proceedings: Eighth European Panel Products Symposium*, Llandudno, October, 2004.
100. PEREIRA, C., JORGE, F.C., IRLE, M.A., NEVES, A.S., COUTINHO, J.S. and FERREIRA, J.M. (2004). Mechanical Behaviour of Wood-Cement Composites. In *Proceedings: Third International Conference of the European Society for Wood Mechanics*, September 5th to 8th, 2004 – Vila Real, Portugal.
101. GURAU, L., MANSFIELD-WILLIAMS, H. and IRLE, M. 2004. A comparison of Data Obtained with Laser and Stylus Scanning after Measuring the Roughness of Wood Surfaces. In: *Proc. of the Science Conference: Research in Wooden Technology – Directions and the Prospects of its Development*. 25-26 June 2004. Faculty of Wood Technology. Agricultural University, Poznań. Poland. ISBN 83-7160-351-7.

Other Publications

102. GURAU, L., MANSFIELD-WILLIAMS, H. and IRLE, M.A. (2004). A Method for Evaluating the Processing Roughness of Sanded Wood Surfaces. In Proceedings: *International Conference on Wood Science and Engineering in the Third Millennium*, "Transilvania" University, Braşov, Romania, 10-12 November, 2004.
103. GURAU, L., MANSFIELD-WILLIAMS, H. and IRLE, M.A. (2004). A Method for Filtering the Roughness of a Sanded Wood Surface Without Distortion and in Real Time. In Proceedings: *International Conference on Wood Science and Engineering in the Third Millennium*, "Transilvania" University, Braşov, Romania, 10-12 November, 2004.
104. GURAU, L., MANSFIELD-WILLIAMS, H. and IRLE, M. (2005). Qualitative and Quantitative Comparisons of Sanded Wood Roughness Measurements taken with Laser Triangulation and Stylus Scanning. *Roczniki Akademii Rolniczej w Poznaniu CCCLXVIII. Technologia DREWNA*. 40: 181-192. Edited by: Wydawnictwo Akademii Rolniczej Im. Augusta Cieszkowskiego W Poznaniu. Poznan. PL ISSN 1506-4034.
105. GURAU, L., MANSFIELD-WILLIAMS, H. and IRLE, M. (2005). Studiu comparativ al masurarii rugozitatii prin triangulatie laser si cu palpator pe suprafetele lemnului/ Comparative Study of Laser Triangulation and Stylus Measurements of Roughness on Wood Surfaces. *PRO Ligno* Nr.1, Sept.2005. pg. 21-31. Edited by Foundation PROLIGNO. ISSN 1841-4737.
106. HODGES, P., PITMAN, A. and IRLE, M. (2005). The influence of carrier type on micro-distribution of propiconazole in the wood cell wall. In Proceedings: *36th Annual Meeting of International Research Group on Wood Preservation*, Bangalore, India, April, 2005.
107. IRLE, M.A. (2005). Technical Terms: Bulk Density. *Wood Based Panels International* 25(1):56.
108. IRLE, M.A. (2005). Technical Terms: Cell Wall Density. *Wood Based Panels International* 25(2):80.
109. IRLE, M.A. (2005). Technical Terms: Cell Wall Structure. *Wood Based Panels International* 25(3):60. Reprinted in *COFORD Newsletter*, SEPTEMBER 2005 - Volume 5 Number 9.
110. IRLE, M.A. (2005). Technical Terms: Wood as Fuel. *Wood Based Panels International* 25(4):64.
111. IRLE, M.A. (2005). Technical Terms: Thermal Conductivity. *Wood Based Panels International* 25(5):56.
112. IRLE, M.A. (2005). Technical Terms: Metal Contamination in Recovered Wood. *Wood Based Panels International* 25(6):56.
113. IRLE, M.A. (2005). The Laboratory Pressing of Individual Particles and the Commercial Pressing of Particleboards. In Proceedings: *International Symposium on Wood Science and Technologies 50th Anniversary of The Japan Wood Research Society*, Yokohama, Japan, November 27-30, 2005.
114. IRLE, M.A. (2005). The Impact of Using Recovered Wood on Heavy Metal Content in Particleboards. In Proceedings: *Joint Wood Adhesive and Wood-Based Panel Research Group Symposium*, 1st and 2nd December, Tsukuba, Japan.
115. IRLE, M. and SAWYER, G. (2005). The Detection of Preservative Treated Wood in Waste Streams. In Proceedings: 2nd COST Action E31 Conference "*Management of Recovered Wood - Strategies Towards a Higher Technical, Economic and Environmental Standard in Europe*", Bordeaux, 29 - 30 September 2005.

Other Publications

116. IRLE, M., VAN RIET, C., THÖMEN, H., BARBU, M. and FAN, M. (2005). COST E49: Research Support for the Wood Based Panels Sector. In Proceedings: *Ninth European Panel Products Symposium*, Llandudno, 3-5 October, 2005.
117. IRLE, M.A. (2006). Technical Terms: Metal Contamination in Recovered Wood. *Wood Based Panels International* 26(1):60.
118. IRLE, M.A. (2006). Technical Terms: Bending Properties. *Wood Based Panels International* 26(2):60.
119. IRLE, M.A. (2006). Technical Terms: Wood-Plastic Composites. *Wood Based Panels International* 26(3):60.
120. IRLE, M.A. (2006). Technical Terms: Measuring Formaldehyde Emissions. *Wood Based Panels International* 26(4):56.
121. IRLE, M.A. (2006). Technical Terms: Water Repellency. *Wood Based Panels International* 26(5):56.
122. IRLE, M.A. (2006). Technical Terms: Tannins. *Wood Based Panels International* 26(6):56.
123. IRLE, M.A., BELLONCLE, C. and CARON, B. (2006). The Effects of Sample Preparation on Observed Metal Content of Recovered Wood. In Proceedings: *Wood Resources and Panel Properties Conference*, Joint COST E44/E49 Conference, 12-14 June, 2006, Valencia, Spain.
124. IRLE, M.A. (2006). COST Action E49: Promoting Technical, Economic and Environmental Standards. In Proceedings: *EcoWood 2006*, 20-22 September, 2006, Oporto, Portugal.
125. IRLE, M.A. (2006). Recycling of Wood in Europe – Quality and Contamination Control. In Proceedings: *5th European Wood-Based Panel Symposium*, 4-6 October, 2006, Hanover, Germany.
126. IRLE, M.A. (2006). Our Global Business. In Proceedings: *Tenth European Panel Products Symposium*, 11-13 October, 2006, Llandudno, UK.
127. IRLE, M.A. (2007). Technical Terms: Warping. *Wood Based Panels International* 27(1):56.
128. IRLE, M.A. (2007). Technical Terms: Embodied Energy. *Wood Based Panels International* 27(2):86.
129. IRLE, M.A. (2007). Technical Terms: Log peeling. *Wood Based Panels International* 27(3):58.
130. IRLE, M.A. (2007). Technical Terms: Defibration. *Wood Based Panels International* 27(4):54.
131. IRLE, M.A. (2007). Technical Terms: Hazard and Service Classes. *Wood Based Panels International* 27(5):61.
132. IRLE, M.A. (2007). Technical Terms: Review. *Wood Based Panels International* 27(6):58.
133. IRLE, M.A. (2007). The manufacture of panel products from shredded recycled paper. In Proceedings of: *6th International Conference Wood Science and Engineering in the Third Millennium (ICWSE 2007)*, 20 – 22 June 2007, Brasov, Romania.
134. IRLE, M.A. (2007). Composites Based on Recycled Paper. In Proceedings: *Eleventh International Panel Products Symposium*, October, 2007, Cardiff, UK.
135. IRLE, M.A. and BELLONCLE, C. (2007). Industry Research Needs. *Stratégie Bois*.

Other Publications

136. IRLE, M.A. (2007). Recovered Wood for Panels Manufacture in Europe. *EPF Annual Report 2007*.
137. VOGT, M., GANN, M. and IRLE, M.A. (2007). Detection Methods in Practical Application. In Proceedings of: *Final COST E31 conference: Management of Recovered Wood - Reaching a Higher Technical, Economic and Environmental Standard in Europe*, May 2007, Klagenfurt, Austria.
138. IRLE, M.A. (2008). Technical Terms: Chemical components of wood. *Wood Based Panels International* 28(1):58.
139. IRLE, M.A. (2008). Technical Terms: Adhesive content of plywood and densified panels. *Wood Based Panels International* 28(2):74.
140. IRLE, M.A. (2008). Technical Terms: Tight & loose faces of veneer. *Wood Based Panels International* 28(3):66.
141. IRLE, M.A. (2008). Technical Terms: What are WPCs? *Wood Based Panels International* 28(4):82.
142. IRLE, M.A. (2008). Technical Terms: The difference between physical and mechanical properties. *Wood Based Panels International* 28(5):66.
143. IRLE, M.A. (2008). Technical Terms: The control of relative humidity and formaldehyde by wood products. *Wood Based Panels International* 28(6):66.
144. IRLE, M.A. (2008). The Cleanliness of Recovered Wood. In Proceedings: *ECOWOOD '08*, 10-12 September, 2008, Porto, Portugal.
145. IRLE, M.A., BELLONCLE, C. and GUEZGUEZ, B. (2008). Free Formaldehyde - Where can I find it? In proceedings: *Twelfth International Panel Products Symposium*, 24-26 September, 2008, Helsinki, Finland.
146. IRLE, M.A., BELLONCLE, C. RIMBAUD, L. and CHAUVIN, R. (2008). An Investigation of a "Green" Extender for Synthetic Adhesives. In proceedings: *ARBORA conference*, Bordeaux, 20-21 November, 2008.
147. BOUSLAMTI, A., BELLONCLE, C., IRLE, M.A., SALVADOR, V. , BONDU, M. and CARON, B. (2009). Simulation of recovered wood samples. In proceedings: *Thirteenth International Panel Products Symposium*, 16-18 September, 2009, Nantes, France.
148. GUEZGUEZ, B., IRLE, M.A. and BELLONCLE, C. (2009). An Investigation of the Origin of Formaldehyde Found in Poplar Veneers. In proceedings: *Thirteenth International Panel Products Symposium*, 16-18 September, 2009, Nantes, France.
149. BELLONCLE, C., GUEZGUEZ, B. and IRLE, M.A. (2009). Reduction of Formaldehyde emission from particle board panels: evidence for a threshold effect due to remaining UF resin. In proceedings: *International Conference on Wood Adhesives*, September 28-30, 2009, Lake Tahoe, Nevada, USA
150. IRLE, M.A. (2009). Technical Terms: Keeping wood dry leads to long life. *Wood Based Panels International* 29(1):58.
151. IRLE, M.A. (2009). Technical Terms: Wet log storage. *Wood Based Panels International* 29(2):56.
152. IRLE, M.A. (2009). Technical Terms: Heat-treated wood. *Wood Based Panels International* 29(3):50.
153. IRLE, M.A. (2009). Technical Terms: Creep and mechanosorption. *Wood Based Panels International* 29(4):58.

Other Publications

154. IRLE, M.A. (2009). COST Action E49: Processes and Performance of Wood-Based Panels. In proceedings: *Thirteenth International Panel Products Symposium*, 16-18 September, 2009, Nantes, France.
155. IRLE, M.A. (2009). Technical Terms: European Fire Classifications. *Wood Based Panels International* 29(5):54.
156. IRLE, M.A. (2009). Technical Terms: Light-weight Panels. *Wood Based Panels International* 29(6):58.
157. IRLE, M.A. (2009). Comment améliorer l'homogénéité des panneaux?. *Les actes du congrès Aprovalbois 2009*, page 11.
158. IRLE, M.A. and KOWALUK, G. (2009). Cost E49: Processes and Performance of Wood-Based Panels – The Action Summary and Final Conference. *DREWNO – WOOD 2009*, vol. 52, nr 182, pp 139-141.
159. BOUSLAMTI, A., BELLONCLE, C., IRLE, M.A., SALVADOR, V., BONDU, M. and CARON, B. (2010). Simulation d'un Echantillon de Bois Recyclé. In proceedings: *Le Séminaire International Commun : Comité Exécutif IAWS/7^{ième} ESTB (Ecole des Sciences et Technologie du Bois)*, 22-25 March, 2010, Rabat, Morocco.
160. BOUSLAMTI, A., BELLONCLE, C., IRLE, M.A., SALVADOR, V., BONDU, M. and CARON, B. (2010). Analyse des Dechets Bois par Spectroscopie Proche Infrarouge. 4th RENACQ, 12-13 March, 2010, Béni-Mellal, Morocco.
161. IRLE, M.A. (2010). Processes and Performance of Wood-Based Panels. *Wood Based Panels International* 30(1):1416.
162. IRLE, M.A. (2010). Technical Terms: Release Agents. *Wood Based Panels International* 30(1):58.
163. IRLE, M.A. (2010). Technical Terms: Fire Retardants. *Wood Based Panels International* 30(2):58.
164. IRLE, M.A. (2010). Technical Terms: Why make WBP products? *Wood Based Panels International* 30(3):58.
165. IRLE, M.A. (2010). Technical Terms: Panel Cooling. *Wood Based Panels International* 30(4):58.
166. IRLE, M.A. (2010). Technical Terms: Mattress Temperature During Hot-Pressing. *Wood Based Panels International* 30(5):58.
167. IRLE, M.A. (2010). Technical Terms: Environmental SEM. *Wood Based Panels International* 30(6):58.
168. IRLE, M.A. (2010). Recycling Technologies. *International Panel Products Symposium: Master Class*, Bangor, 28-29 September, 2010.
169. IRLE, M.A., JOUINI, Z. and BOUSLAMTI, A. (2010). The application of cleaning methods for reducing the level of contaminants in recovered wood. In proceedings of: *ECOWOOD 2010*, 8 -10 September, 2010, Porto, Portugal.
170. MASSETEAU B., ROY A., ALISE G., DUFOUIL A., MACE A., IRLE M, MICHAUD F., (2010). Influence de la mesure des diamètres (aspects morphologiques) de fibres naturelles unitaires sur leurs propriétés mécaniques. Poster *DePos23*, 29 September to 1 October 2010, Lorient, France.

Other Publications

171. IRLE, M.A., JOUINI, Z., BOUSLAMTI, A., SALVADOR, V., BONDU, M. and CARON, B. (2010). Improving the cleanliness of recycled wood for particleboard production. In proceedings of *Matériaux 2010*, 18-22 October, 2010, Nantes, France.
172. MICHAUD, F., JMAL, A., NDIAYE, A. and IRLE, M.A. (2010). Quelle stratégie pour les produits dérivés du bois en fin de vie ? In proceedings of: *Matériaux 2010*, 18-22 October, 2010, Nantes, France.
173. BOUSLAMTI, M. A., IRLE, M.A., BELLONCLE, C., SALVADOR, V., HULOT, S., CARON, B. and QANNARI, E.M. (2011). Classification of wood materials using Fourier Transform Near Infrared Spectroscopy and multivariate analysis. In proceedings: *IRG 2011*.
174. IRLE, M.A. (2011). Technical Terms: MFC product manufacture. *Wood Based Panels International* 31(1):58.
175. IRLE, M.A. (2011). Technical Terms: EN 717-2. *Wood Based Panels International* 31(2):58.
176. IRLE, M.A. (2011). Technical Terms: EN 717-1. *Wood Based Panels International* 31(3):58.
177. IRLE, M.A. (2011). Technical Terms: Wet process fibreboards. *Wood Based Panels International* 31(4):58.
178. IRLE, M.A. (2011). Technical Terms: Log debarking. *Wood Based Panels International* 31(5):58.
179. IRLE, M.A. (2011). Technical Terms: particle/fibre drying. *Wood Based Panels International* 31(6):52.
180. IRLE, M.A. (2011). Wood Science and Technology Education: The difference between the UK and France. *Timber Trade Journal* 19/26 March 2011, page 15 (Medité 2016 Series).
181. IRLE, M.A., HABRI, F., BOUSLAMTI, A., SALVADOR, V., BONDU, M. and CARON, B. (2011). Improving the cleanliness of recycled wood for particleboard production. In proceedings of *International Panel Products Symposium*, Llandudno, 4-5 October, 2011.
182. NCUBE, E., MANSFIELD-WILLIAMS, H. and IRLE, M.A. (2011). The transversal compression and strain of mature wood strands pressed at high temperatures and pressures. In proceedings of *International Panel Products Symposium*, Llandudno, 4-5 October, 2011.
183. TIKHONOVA, E., LECOURT, M. and IRLE, M.A. (2011). A study of fibre morphology with a view to the manufacture of layered fibreboards. Accepted for *International Panel Products Symposium*, Llandudno, 4-5 October, 2011.
184. MICHAUD, F. and IRLE, M.A. (2011). Investigation concerning VOC emissions in WPC. Accepted for *5th WPC Symposium*, Bordeaux, 26-27 September, 2011. (poster)
185. GHAZIL, S., RAMANANANTOANDRO, T., MAMET, J.M., IRLE, M. (2011). Effects of machining conditions on the impregnation of three wood species found in French forests: *Pseudotsuga* sp., *Fagus sylvatica* L. and *Quercus petraea* L. In proceedings of *54th International Convention of the Society of Wood Science and Technology*, Portland, Oregon, USA, 22 June 2011. (poster).

Other Publications

186. JMAL, A., MICHAUD, F., NDIAYE, A. and IRLE, M.A. (2011). Structuring and representation of scientific knowledge for a transfer through an electronic knowledge-book. In proceedings of: *International Workshop on Knowledge and Service Technology for Life, Environment, and Sustainability (KASTLES)*, December 12-13, 2011, Irvine, California, USA.
187. IRLE, M.A. (2012). Technical Terms: WESP. *Wood Based Panels International* 32(1):52.