

a. Journal papers

1. **Edmondson, P**, Grammatika, M, .Fryer, PJ and *Handy, B*. 2005 A computational model of flavour deposition onto food surfaces. *Trans IChemE C*, **83**, 89-98. [World Congress of Chemical Engineering Special Issue]
2. Kendall, K, **Slinn, M** and Preece, J. 2006 Formulating liquid ethers for microtubular SOFCs, *Journal of Power Sources*, **157**, 750 -753.
3. **Mee, SJ**, *Hart, JR, Singh, M*, Rowson, NA, Greenwood, RW, . *Allen, GC, Heard, PJ*, and *Skuse, DR*. The use of focused ion beams for the characterization of industrial mineral microparticles, *Journal of Applied Clay Science*, 2008. 39, 72-77
4. **Neal, G**, Simmons, MJH, *Hough, JA* and Fryer, PJ.2008 Criteria for measuring mixing performance in a vessel with a rising free surface, *Experiments in Fluids*. 45 (1) 3 - 12
5. **Brown, ZK** , Fryer, PJ, Norton, IT, Bakalis, S, Bridson, RH. 2006 Drying of foods using supercritical carbon dioxide, submitted to *Innovative Food Science and Technology*.
6. **Slinn, M**, C Mallon, J Andrews and Kendall, K. 2007 Steam reforming of biodiesel by – product to make renewable hydrogen submitted to *Bioresource Technology*, 2006
7. **J.Ritchie**, *P.Droegemueller*, M.J.H.Simmons, Hitran wire matrix inserts in fouling applications. *Heat Transfer Engineering* 30 (10 -11)
8. **A.Heuer**, *A.R.Cox, S.Singleton*, M.Barigou, *M van Ginkel* Visualisation of foam microstructure when subject to pressure, *Colloids and Surf. A* 2007 311, 112 – 125
9. **R.Thomas**, *Morley, Fooks, R.Taylor, Grose*, N.A.Rowson and S.Blackburn. Influence of beneficiation on the properties of calcined kaolin submitted to *Particles and Particle Systems Characterisation*
10. **R.Thomas**, *Grose, Obaje, R.Taylor*, N.A.Rowson and S.Blackburn. Residence Time Investigation of a Multiple Hearth kiln using Talc as a Tracer submitted to *Chemical Engineering and Processing: Process Intensification*
11. **R.Thomas**, *R.Taylor*, N.A.Rowson and S.Blackburn. The Effect of Temperature on the Calcined Kaolin Product submitted to *Journal of the European Ceramic Society*
12. **Brown, ZK** , Fryer, PJ, Norton, IT, Bakalis, S, Bridson, RH. Drying and structuring of biopolymer gels using supercritical CO₂” in preparation for *Journal of Supercritical Fluids*
- 13 **R.Tamblyn**, N.A.Rowson, R.W.Greenwood, L.Lapcik Effect of talc filler content on poly(propylene) composite mechanical properties *Journal of Applied Polymer Science*
- 14 **S.J.Mee**, J.R.Hart, D.I.Gittins, N.A. Rowson, R.W.Greenwood, D.R.Skuse Hollow Microspheres: A Review in preparation
15. **J.Henry**, W.J.Frith, P.J.Fryer, I.T.Norton Kinetically trapped food grade nano-emulsions *Food and Food Ingredients Journal of Japan* (2008) 213,3,192-200

b. Conference papers

- 1 **RK Godridge**, Bayly, AE, and Simmons, MJH. 2006 Influence of Formulation upon the Storage Stability of Detergent Powders: Prediction of Sorption Isotherms. World Conf. Particle Tech, Orlando,
2. **EAK Heuer**, Barigou, M, Cox, AR, and Singleton, S. 2006. Visualisation of foam microstructure under shear and pressure Bubbles in Food 2, Windermere.
3. **B.Armstrong**, Fan,X, Ingram, A, Parker, DJ*, Seville, JPK, Jeckmohan,V, and Page,T. 2005. Three-dimensional representations of powder mixedness using a positron emission tracking technique:, Particulate Systems Analysis Stratford 2005.
4. **D.Bird**, Rakos, K, Mills, C, Kendall, K and Greenwood, RW. Morphology of acrylic and silica based coatings applied inter-draw to PET films, Macro 2006 41st Int. Symposium on Macromolecules Proceedings, Rio de Janeiro, Brazil July 2006.
5. **R.Thomas**, Grose, Obaje, R.Taylor, N.A.Rowson and S.Blackburn Influence of beneficiation on the properties of the calcined production , 11 th conference on Environment and Mineral Processing, Ostrava Czech Republic 2007.
6. **Y.Kanga**, N.A.Rowson, R.W.Greenwood, D.Skuse. Smart Minerals: Controlled release of biocides from minerals' surfaces Partec Nuremberg, Germany March 2007.
7. **S.Mee**, J.R.Hart, C. Agra – Gutierrez, N.A.Rowson, R.W.Greenwood, D.R.Skuse. Adsorption of a cationic polyelectrolyte on hollow polystyrene latex microspheres. Partec, March 2007, Nuremberg, Germany.
8. **R.Tamblyn**, J. Hart, D. Gittins, D. Skuse, R. Bridson, R. Greenwood, N.Rowson Use of DVS to Characterise Mineral Functionality Partec March 2007 Nuremberg, Germany
9. **R.Tamblyn**, J.Hart, D.Gittins, D.Skuse, R.Greenwood, N.Rowson Formation and characterisation of high surface area phyllosilicate minerals. 11 th Conference on Environment and Mineral Processing. Ostrava Czech Republic May 2007 part 1 p 11
10. **S.J. Mee**, J.R. Hart, C. Agra-Gutiérrez, N.A. Rowson, R.W. Greenwood, G.C. Allen, P.J. Heard, D.R. Skuse. The use of Focused Ion Beams for the characterisation of industrial mineral microparticles. EuroFillers, 2007, Zalakaros, Hungary, August, 2007
11. **I.Edwards**,, Axon, S.A., Barigou, M., Mann, R., Stephenson, D.R. & Stitt, E.H. 2007. The use of multimodal tomography in the study of boehmite precipitation. WCIPT 5. Bergen. (ISBN 978 0 85316 265 0)
12. **J.Henry**, W.Frith, I.T.Norton, P.W.Cox and F.Spyropoulos. Nanoemulsions – Products and stabilization. Hydrocolloids Wrexham 2007
13. **A Tharakan**, P Rayment, I T Norton, P J Fryer. Modelling of physical and chemical processes in the small intestine. European Congress of Chemical Engineering - 6 Copenhagen, September 2007
14. **Godridge, R.**, Simmons, M.J.H. Bayly, A.E., 2005. Moisture sorption isotherms of particulate mixtures, Proceedings of the 7th World Congress of Chemical Engineering, Glasgow, UK, July 2005, CDROM.

15. **B. Armstrong**, X. Fan, A. Ingram, D.J. Parker, J.P.K. Seville, V. Jeckmohan, & T. Page Three-dimensional representations of powder mixedness using a positron emission tracking technique. World Conf. Particle Tech, Orlando.
16. **A Heuer**, S Singleton, A.Cox, M.Barigou. Visualisation of Food Foam Microstructure Under pressure Formula IV July 2005.
Kendall, K., Slinn, M., Preece, J., 2006. Formulating liquid ethers for microtubular SOFCs,
17. **M.Slinn**, K.Kendall *Journal of Power Sources*, Selected papers presented at the Ninth Grove Fuel Cell Symposium, Volume 157, Issue 2, Pages 750-753.
18. **Edwards, I.**, Axon, S.A., Barigou, M., Hall, J.F.. & Stitt, E.H. 2008. The use of a zonal model and multimodal tomography to explore mixing in a concentrated precipitation. ISMIP 6. Niagara.
19. Simmons, M.J, **Edwards, I.**, Hall, J.F., Fan, X., Parker, D.J. & Stitt, E.H. 2008. Techniques For Visualisation of Cavern Boundaries in Opaque Industrial Mixing Systems. ISMIP 6. Niagara.

c. Conference posters

- P.A.Cole**, N.S.Salmon, N.S.Armitage, P.J.Fryer Cleaning of toothpaste processing plant, EFFoST/EHEDG Conference, Lisbon, November 2007
- K.R.Goode**, K.Asteriadou, W. Mathers, P.J.Fryer Investigation of the industrial cleaning methods of brewery deposits, EFFoST/EHEDG Conference, Lisbon, November 2007
- G.J.Hassall**, A.E. Bayly, J.P.K. Seville, M.J.H. Simmons & C. Amador Wall Build-Up in Spray Dryers UK Particle Technology Forum 8, Cambridge University, September 2007.
- G.N.Winstone**, E.M.Holt, M.Watson, S.Blackburn Twin Screw Extrusion of Ceramics for Catalyst Supports UK Particle Technology Forum 8, Cambridge University, September 2007.
- M.Michele**, J.P.K.Seville, H.Stitt UK Particle Technology Forum Cambridge Sept 2007
- M Slinn**, K Kendall, 2005. Separation optimisation in used cooking oil methyl-ester production *The 14th European biomass conference and exhibition on biomass for energy, industry and climate protection* 17th October 2005.
- Hall, J.F., **Edwards, I.**, Simmons, M.J. & Stitt, E.H. 2008. "Validation of Zonal Models for Stirred Vessels with Radial and Axial Impellers Using PEPT". ISMIP 6. Niagara.

d. Book / Book chapters

- 1.**Ritchie, J.M.** and Droegemueller, P (2006), Application of tube inserts in heat exchangers: Introduction. In Hewitt, G.F. (ed.), *Heat Exchanger Design Updates*, vol. 13(2). Begell House, Connecticut, USA. pp. 3.21.1-1 to 3.21.1-9. ISSN 1074-7214.
2. **Ritchie, J.M.** and Droegemueller, P (2006), Application of tube inserts in heat exchangers: Benefits of tube inserts. In Hewitt, G.F. (ed.), *Heat Exchanger Design Updates*, vol. 13(2). Begell House, Connecticut, USA. pp. 3.21.2-1 to 3.21.2-9. ISSN 1074-7214.

3. **Ritchie, J.M.** and Droegemueller, P (2008), Section 3.21 Application of tube inserts in heat exchangers. In Hewitt, G.F. (ed.), *Heat Exchanger Design Handbook 2008*. Begell House, Connecticut, USA. pp. 3.21.1-1 to 3.21.2-9. *ISBN Unknown*.

4 **M.Slinn** Build your own electric bicycle, *McGraw Hill Professional*, Contract signed

e. Calenders

D.Bird AFM Image voted Cover image for the Weeco 2007 calender from over 400 entries