Dr. ROBIN JOHN KENT

PUBLISHED PAPERS AND ARTICLES

GENERAL PAPERS AND ARTICLES

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- Introduction: Manufacturing part of the strategy, February 1991.
- Part 1: Setting the strategy, March 1991.
- Part 2: Manufacturing Strategy – the Systems, April 1991.
- Part 3: Just–in–Time (Introduction), May 1991.
- Part 4: Just–in–Time (1), June 1991.
- Part 4: Just–in–Time (2), July 1991.
- Part 5: Optimised Production Technology, September 1991.
- Part 6: A Fundamental Quality..., October 1991.
- Part 7: Quality Management Techniques and Tools, November 1991.
- Part 8: There's no Accounting for Manufacturing Strategy, January 1992.
- Part 9: Measuring Performance, February 1992.
- Part 10: What do we do now?, March 1992.
- Part 11: The Pudding Proved, April 1992.

THE 'TOOLKIT' Series (All in Glass and Glazing Products)

- Introduction: Re–engineering the company, May 1994
- Part 1: Looking after your vitals, June 1994
- Part 2: Charting the progress, July 1994
- Part 3: Scattering the problem, September 1994
- Part 4: Go with the flow, October 1994
- Part 5: Plotting for success, November 1994
- Part 6: Studying capability, December 1994
- Part 7: Mapping the mind, February 1994

THE 'INVESTING IN THE FUTURE' Series (All in Window Fabricator and Installer)

- Part 1: Introduction, October 1996.

- Part 2: Machinery – Plant & Equipment, November 1996.
- Part 3: Materials – Products, October 1996.
- Part 4: Methods – Procedures and Processes, December/January 1996/97.
- Part 5: Manpower – People, February 1997.
- Part 6: Measures – Performance, March 1997.

THE 'MANAGING QUALITY – YOU CAN DO IT' Series (All in Window Industries)

- Part 1: An introduction to ISO 9000, July 1998.
- Part 2: The requirements of ISO 9002, August 1998.
- Part 3: The procedures (Section 1), September 1998.
- Part 4: The procedures (Section 2), September 1998.
- Part 5: The procedures (Section 3), October 1998.
- Part 6: The procedures (Section 4), November 1998.
- Part 7: The procedures (Section 5), December 1998.

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- Part 1: The Way Behind, March, 2000
- Part 2: The Way Ahead, April, 2000
- Part 3: The New Composites (1), May, 2000
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The 'PLASTICS ENERGY EFFICIENCY' Series (All in British Plastics and Rubber)

- Part 1: Reducing energy costs, March 2001.
- Part 2: Surveying site energy use, April 2001.
- Part 3: Injection Moulding, May 2001.
- Part 4: Extrusion, June 2001.
- Part 5: Extrusion Blow moulding, July 2001.
- Part 6: Motors and Drives, August 2001.
- Part 7: Compressed Air, September 2001.
- Part 8: Buildings, October 2001.
- Part 9: Capital Equipment Selection, November 2005.
- Part 10: All–electric Injection Moulding Machines, January 2006.
- Part 11: Cooling Process Water, February 2006.
- Part 12: Drying, March 2006.

The 'PLASTICS WASTE MINIMISATION' Series (All in British Plastics and Rubber)

- Part 1: The business reasons, December 2001.
- Part 2: Waste walk around and action plan, January 2002.
- Part 3: Assessing Performance, February 2002.
- Part 4: Improving Performance, March 2002.
- Part 5: Waste Minimisation Tools, April 2002.

The 'ENVIRONMENTAL MANAGEMENT' Series (All in Polymer Engineering)

- Part 1: Clean business = good business, March 2002.
- Part 2: Starting Out, April 2002.
- Part 3: Interacting with the environment, May 2002.
- Part 4: The basic EMS, June 2002.
- Part 5: Operating the EMS, August 2002.

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- Part 1: The business reasons, April 2002.
- Part 2: A waste walk around and action plan, May 2002.
- Part 3: How good are you? June 2002.
- Part 4: Improving Performance, July 2002.
- Part 5: Tools of the trade, July 2002.

The 'PLASTICS RESOURCE EFFICIENCY' Series (All in Plastics and Rubber Weekly – PRW)

- Part 1: The second industrial revolution, 21 November 2003.
- Part 2: The impact of manufacturing, 5 December 2003.
- Part 3: Cutting the costs of usage, 19 December 2003.
- Part 4: Think end–of–life at the start, 16 January 2004.
- Part 5: Use less, make more profit, 30 January 2004.

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The 'PRODUCTION MANAGEMENT' Series (All in Fenestra)

- Part 1: The essential part, January 2003.
- Part 2: The systems, February 2003.
- Part 3: Just–in–time, March 2003.
- Part 4: Optimised production technology, April 2003.
- Part 5: Work cells, May 2003.
- Part 6: Machines 1, June 2003.
- Part 7: Machines 2, September 2003.
- Part 8: Scheduling and Kanban, October 2003.
- Part 9: Waste (Methods), November 2003.
- Part 10: Waste (Materials), January 2004.
- Part 11: Supply Chain, February 2004.
- Part 12: Measurement, March 2004.
- Part 13: Things to do NOW!, April 2004.
- Part 14: The Cost of Quality, May 2004.
- Part 15: The hidden cost of inventory, November 2004
- Part 16: Environmental management – January 2005
- Part 17: Continuous Improvement – May 2005

The 'REDUCING ENERGY COSTS' Series (All in Modern Plastics International)

- Part 1: The first steps, June 2006.
- Part 2: Changing the rules, July 2006.
- Part 3: Injection Moulding, August 2006.
- Part 4: Extrusion, September 2006.
- Part 5: Extrusion blow moulding, October 2006.
- Part 6: Compressed air, November 2006.

Monthly Column on 'ENERGY EFFICIENCY AND WINDOWS' (All in Fenestra)

- Month 1 – Energy and windows – This is your wakeup call
- Month 2 – Transforming markets – NOW PAY ATTENTION!
- Month 3 – Joined–up government
- Month 4 – Windows – An appliance approach
- Month 5 – Software is the key to lower costs
- Month 6 – The European scene
- Month 7 – The internationals
- Month 8 – Selling the benefits
- Month 9 – Is it all losses?
- Month 10 – Energy and utilities – demand side management
- Month 11 – Raising the standard
- Month 12 – The route map to Part L
- Month 13 – Older and WISA
- Month 14 – Myth selling
- Month 15 – Want to get accurate data?
- Month 16 – Designer windows
- Month 17 – Déjà Vue – This is your second wake–up call
- Month 18 – It is all low-E – The vital differences
- Month 19 – Free heating for life – Solar Heat Gain
- Month 20 – Approving simulators?
- Month 21 – Developing standards
- Month 22 – Getting the right answer, cock–up or conspiracy?
- Month 23 – Getting the right answer, using the right people?
- Month 24 – Where are the buccaneers?
- Month 25 – Why not stay with the U–value?
- Month 26 – Outside condensation
- Month 27 – The white paper
- Month 28 – The metal men
- Month 29 – On the border
- Month 30 – Labelling for energy efficiency and increased sales
- Month 31 – The wider scene
- Month 32 – Tracing the data
- Month 33 – A window of opportunity

- Month 34 – Setting the boundaries
- Month 35 – Looking forward
- Month 36 – Fiscal Incentives
- Month 37 – Window Energy Rating is here!
- Month 38 – How do you get a rating?
- Month 39 – Technology Toolkit
- Month 40 – The indicators
- Month 41 – The smaller company
- Month 42 – Here we go again!
- Month 43 – Training for increased sales
- Month 44 – The better ruler
- Month 45 – Energy Efficiency Recommended?
- Month 46 – Energy: What can the Carbon Trust do for you?
- Month 47 – Seeing the results
- Month 48 – What a difference a year makes
- Month 49 – Guesstimates don't count
- Month 50 – Changing an Industry
- Month 51 – The Leading Edge
- Month 52 – The indicators (2005)
- Month 53 – Building Regulations – Here we go again
- Month 54 – First Past the Post
- Month 55 – Marketing 'push' or market 'pull'?
- Month 56 – Selling the benefits
- Month 57 – Joined up Government?

The 'ENERGY MISER' Series (All in Plastics Technology)

- Energy Miser 01 – Introduction to Energy Management, January 2009.
- Energy Miser 02 – Know your Plant's 'Energy Fingerprint', February 2009.
- Energy Miser 03 – What's Your Process Energy Fingerprint?, March 2009.
- Energy Miser 04 – Internal Benchmarking: Setting Targets, April 2009.
- Energy Miser 05 – External Benchmarking of Injection Molding Energy Efficiency, July 2009.
- Energy Miser 06 – Benchmarking energy use in extrusion, blow molding and thermoforming, November 2009.
- Energy Miser 07 – Where are you using energy, March 2010.
- Energy Miser 08 – Compressed air: It isn't free, October 2010.
- Energy Miser 09 – Plug costly compressed air leaks, November 2010.
- Energy Miser 10 – Reducing compressed air usage, July 2011
- Energy Miser 11 – Use less energy to generate compressed air, August 2011.
- Energy Miser 12 – Introduction to Cooling Water Management, March 2012.
- Energy Miser 13 – Compressed air: treatment & distribution, April 2012.
- Energy Miser 14 – Cooling water: Minimise demand by reducing heat gains, May 2012.
- Energy Miser 15 – Cooling water: Minimise demand by increasing temperatures, September 2012.
- Energy Miser 16 – Cooling water: Optimise supply to reduce costs, January 2013.
- Energy Miser 17 – Cooling water: Optimise distribution to reduce costs, October 2013.

The 'ENERGY SAVING TIP OF THE MONTH' Series (All in Plastics Engineering)

- 01 – Getting Started: Energy–Management Systems, May 2009.
- 02 – Integrating energy into the accounts, June 2009.
- 03 – Site surveys, July/August 2009.
- 04 – The electricity bill, September 2009.
- 05 – Assessing performance – electricity, October 2009.
- 06 – The gas bill, November/December 2009.
- 07 – Injection molding 1, January 2010.
- 08 – Injection molding 2, February 2010.
- 09 – Injection molding 3, March 2010.
- 10 – Extrusion 1, April 2010.
- 11 – Extrusion 2, May 2010.
- 12 – Extrusion blow molding (EBM), June 2010.
- 13 – Injection blow molding, July 2010.
- 14 – Thermoforming, August 2010.
- 15 – Rotational molding, September 2010.

- 16 – Start–up and shut–down, October 2010.
- 17 – Compressed air pressure, September 2011.
- 18 – Compressed air leakage, October 2011.
- 19 – Compressed air usage, November/December 2011.
- 20 – Compressed air generation, January 2012.
- 21 – Compressed air treatment and distribution, February 2012.
- 22 – Reduce parasitic heat gains for chilled water, March 2012.
- 23 – Increase cooling water temperatures, April 2012.
- 24 – Reduce cooling costs, May 2012.
- 25 – Reduce cooling water distribution costs, June 2012.
- 26 – Motor management, July 2012.
- 27 – Turn off motors, September 2012.
- 28 – Reduce the load on motors, October 2012.
- 29 – Get the correct motor size, November/December 2012.
- 30 – Improve motor efficiency, January 2013.
- 31 – Slow the motor down, May 2013.
- 32 – Lighting, March 2013.
- 33 – Drying the right materials, April 2013.
- 34 – Storing materials for drying, June 2013.
- 35 – Dryer control systems and insulation, July/August 2013.
- 36 – Desiccant drying, September 2013.
- 37 – New drying methods, October 2013.
- 38 – Regranulation, November/December 2013.
- 39 – Vacuum systems, January 2014.
- 40 – Hydraulics systems, February 2014.
- 41 – Tool changeovers, March 2014.
- 42 – Employee training, April 2014.
- 43 – Small power equipment, May 2014.
- 44 – Process control, June 2014.
- 45 – Site heating, July 2014.
- 46 – Hot water, September 2014.
- 47 – Air conditioning Plastics Engineering, October 2014.
- 48 – Building fabric Plastics Engineering, November/December 2014.
- 49 – Carbon Footprinting: The Basics, January 2015.
- 50 – Carbon footprinting: Scope 1, February 2015.
- 51 – Carbon footprinting: Scope 2, March 2015.
- 52 – Carbon footprinting: Scope 3, April 2015.
- 53 – Internal site benchmarking, May 2015.
- 54 – Budgeting for the future, June 2015.
- 55 – Setting targets, July 2015.
- 56 – Reporting energy costs and use, September 2015.
- 57 – kWh/kg as a monthly measurement metric, October 2015
- 58 – External site benchmarking, November/December 2015.
- 59 – Machine monitoring, January 2016.
- 60 – Energy Mapping, February 2016.
- 61 – Interval Data, March 2016.
- 62 – Sub–metering, April 2016.
- 63 – Injection molding – base loads, May 2016.
- 64 – Injection molding – get the right machine, June 2016.
- 65 – Injection molding – get it set right, July/August 2016.
- 66 – Injection molding – get the right motor, September 2016.
- 67 – Injection molding – variable speed drives, October 2106.
- 68 – Injection molding – electric machines, November/December 2016.
- 69 – Injection molding – heating and insulation, January 2017.
- 70 – Injection molding – mold temperature control, February 2017.
- 71 – Injection molding – mold design, March 2017.
- 72 – Extrusion – motors, May 2017.
- 73 – Extrusion – heating and insulation, June 2017.
- 74 – Extrusion – profile calibration and cooling, July/August 2017.
- 75 – Extrusion – vacuum, September 2017.

- 76 – Energy dashboards, October 2017.
- 77 – Project assessment, November/December 2017.
- 78 – Capital expenditure and energy, January 2018.
- 79 – Available capacity, February 2018.
- 80 – Maximum demand, March 2018.
- 81 – Power factor, April 2018.
- 82 – Power factor correction equipment, May 2018.
- 83 – Transformers, June 2018
- 84 – Voltage management, July/August 2018.
- 85 – Protect the site against power failure, September 2018.
- 86 – Renewables, October 2018.
- 87 – Going Off–the–Grid, November/December 2018.
- 88 – Hydraulics – the lifeblood, February 2019.
- 89 – Hydraulics – getting the right fluid, March 2019.
- 90 – Extrusion blow molding – motors (all–electric), April 2019.
- 91 – Extrusion blow molding – insulation, May 2019.
- 92 – Extrusion blow molding – tops and tails, June 2019.
- 93 – Injection blow molding – molding step, July/August 2019.
- 94 – Injection blow molding – blowing step, September 2019.
- 95 – Injection stretch blow molding – molding step, October 2019.
- 96 – Injection stretch blow molding – blow step, November/December 2019.

The 'ENERGY MANAGEMENT SERIES' (All in Plastics in Packaging)

- Where do we start?, April 2015.
- Where does it all go?, May 2015.
- The site energy fingerprint, June 2015.
- The process energy fingerprint, July 2015.
- Setting targets: internal benchmarking, September 2015.
- External benchmarking for injection moulding, October 2015.
- External benchmarking for other processes, November 2015.
- Managing Motors, January 2016.
- Motors: Turn them off, February 2016.
- Motors: Minimise demand, March 2016.
- Motoring towards efficiency, April 2016.
- It's not free, May 2016.
- Compressed air: optimise supply, July 2016.
- Cooling water: the programme August 2016.
- Optimise supply and reduce costs, October 2016.
- Drying: A process essential November 2016.
- Drying: Minimise the demand, February 2017.
- Drying: Optimise the supply, March 2017.
- Drying: Reduce costs with desiccant drying, April 2017.
- Drying: Other drying methods, May 2017.
- The vacuum generation, October 2017.
- Hydraulics systems, October 2017.

BOOKS AND PUBLICATIONS

- 'Energy efficient thermoplastics extrusion', ETSU Publication GPG 239. EEBPP, 1996.
- 'Plastics Profile Extrusion', RAPRA 1998.
- 'Energy in Plastics Processing – A Practical Guide', ETSU Publication GPG 292. EEBPP, 1998.
- 'Operations Management Book of Readings', Chapters 3, 4, 10 and 18, Icfaian Centre for Management Research, Hyderabad, India, 2001.
- 'Cost Management in Plastics Processing – Strategies, targets, techniques and tools' (First Edition), RAPRA, 2002.
- 'Cost Management in Plastics Processing – Strategies, targets, techniques and tools' (Second Edition), Plastics Information Direct, 2007.
- 'Resource Efficiency in Plastics Processing', Envirowise Publication GG 377, Envirowise, 2003.
- Contributor to 'Energy Best Practice – Plastics Industry Guidebook', Focus on Energy, Wisconsin Department of Energy, 2006.
- 'Energy Management in Plastics Processing – Strategies, targets, techniques and tools' (First Edition), Plastics Information Direct, 2008.

- ‘Controlling Energy Use in Plastics Processing – A Quick Start Guide’ (First Edition), British Plastics Federation, 2010.
- Contributor to ‘Sustainable Manufacturing – A guide for the plastics industry’, British Plastics Federation, 2010.
- Contributor to ‘Plastic Extrusion Troubleshooting & Process Improvement’, Plastic Industry Academy, Thailand, 2011.
- ‘Energy Management in Plastics Processing – A Signposting Guide’, British Plastics Federation, 2011.
- ‘Controlling Energy Use in Plastics Processing – A Quick Start Guide’ (Second Edition), British Plastics Federation, 2012.
- ‘Cost Management in Plastics Processing – Strategies, targets, techniques and tools’ (Third Edition), Plastics Information Direct, 2012.
- ‘Energy Management in Plastics Processing – Strategies, targets, techniques and tools’ (Second Edition), Plastics Information Direct, 2013.
- ‘Quality Management in Plastics Processing – Strategies, targets, techniques and tools’ (First Edition), Elsevier, 2016.
- ‘Controlling Energy Use in Plastics Processing – A Quick Start Guide’ (Third Edition), British Plastics Federation, 2017.
- ‘Cost Management in Plastics Processing – Strategies, targets, techniques and tools’ (Fourth Edition), Elsevier, 2018.
- ‘The Energy Saving Guide for Injection Moulding Companies’ (First Edition), ExxonMobil, 2017.
- ‘Energy Management in Plastics Processing – Strategies, targets, techniques and tools’ (Third Edition), Elsevier, 2018.
- ‘Advancing Industry 4.0 in Plastics with Hydraulic Fluids’ (First Edition), ExxonMobil, 2018.
- Contributor to ‘Energy Best Practice – Plastics Industry Guidebook’ (Second Edition), Focus on Energy, Wisconsin Department of Energy, 2020.
- ‘Net Zero Briefing – Introduction to net zero for the plastics industry’ (First Edition), British Plastics Federation, 2021.
- ‘Sustainability Management in Plastics Processing – Strategies, targets, techniques and tools’ (First Edition), British Plastics Federation, 2022.
- ‘Managing Sustainability in Plastics Processing – A Quick Start Guide’ (First Edition), British Plastics Federation, 2022.
- ‘Net Zero for Plastic Processors – A practical guide to delivering net zero’ (First Edition), British Plastics Federation, 2022.
- ‘Applied Plastics Engineering Handbook’ (Third Edition), Edited by Myer Kutz, Chapter 11: ‘Energy Management’, 2023.
- ‘Applied Plastics Engineering Handbook’ (Third Edition), Edited by Myer Kutz, Chapter 12: ‘Sustainability Management’, 2023.
- ‘Productivity Redefined: Energy Management’, British Plastics Federation Productivity Committee, September 2024.
- ‘Energy Management in Plastics Processing – Strategies, targets, techniques and tools’ (Fourth Edition), British Plastics Federation, 2024.
- ‘Controlling Energy Use in Plastics Processing – A Quick Start Guide’ (Fourth Edition), British Plastics Federation, 2024.
- ‘Productivity Redefined: Waste Minimisation’, British Plastics Federation Productivity Committee, March 2026.

SEMINARS AND LECTURES

- ‘Indentation Processes in Polymers’ – Polymer Engineering Directorate Conference, Cranfield 1981.
- ‘Achieving BBA Certification’ – One day Seminar given at 8 different locations in the UK over 1989/1990.
- ‘Manufacturing Strategy’ – One day Seminar given at 6 different locations in the UK over 1990/1991.
- ‘Security of Domestic Windows’ – LAPFAG Seminar, Harrogate, 1991.
- ‘Safe as Houses?’ – Institute of Maintenance and Building Management Seminar – Blackpool, 1991.
- ‘Implementing BS 5750’ – British Plastics Federation Quality Seminars, Edinburgh/ Birmingham/ London/ Birmingham, 1991.
- ‘Window Materials Conference’ – HAMMAR, London, 1992.
- ‘European Standards’ – Institute of Maintenance and Building Management Seminar – Bournemouth, 1992.
- ‘Window Replacement’ – York City Council Conference, York, 1993.
- ‘PVC–U: The Specifier's Choice’ – Non–Traditional Housing Refurbishment Conference, Sandown 1994.
- ‘PVC and the Built Environment’ – BPF Vinyls Group Conference, London, 1994.
- ‘How to specify PVC–U windows – The specifying challenge’ – Social Housing, Maintenance and Repair Conference, Earls Court, 1995.

Dr. ROBIN JOHN KENT

- ‘The Appearance of Windows’ – LAPFAG Conference, Manchester, May 1996.
- ‘Möglichkeiten für Partnerschaft und Gewinn’ – Plastechforum Conference, Stratford upon Avon,1996.
- ‘The Appearance of Windows’ – LAPFAG Conference, London, October 1996.
- ‘Project Management’ – Plasticity ‘97 Conference, PERA, Melton Mowbray, October 1997.
- ‘Energy Usage in the Plastics Processing Industry’ – Plasticity ‘97 Conference, PERA, Melton Mowbray, October 1997.
- ‘Project Management’ – BLFA Conference, Hinckley Island, November 1998.
- ‘PVC–U Windows – Past, Present and Future’ – PAGEV Windows Conference, Istanbul, January 1999.
- ‘Overhead management in the Plastics Processing Industry’ – Plasticity '99 Conference, Warwick, March 1999.
- ‘Manufacturing Components in Plastic’ – SHAPE Conference, NAC, Warwick, April 1999.
- ‘Plastic and Composite Windows – The Way Ahead’ – BRE/RAPRA Conference ‘Composites and Plastics in Construction’, BRE, November 1999.
- 'Energy Management and Waste Minimisation in Plastics Processing' – ETSU/BPF seminars given throughout the UK during March 2000.
- 'Waste Minimisation in Plastics Processing' – Envirowise Seminar, BPF, March 2001.
- ‘Energy Management in Plastics Processing’ – ‘10 ways to boost your profits’ Conference, Coventry, April 2001.
- ‘Energy Rating Systems’ – The Whole Life Performance of Facades – Centre for Window and Cladding Technology Conference, CWCT Bath, April 2001.
- ‘Waste Management and Energy Efficiency in Plastics Processing’ – Waste and Recycling Technology Course, University of Surrey, June 2001.
- ‘The Future for Window Energy Management’ – Chrysalis Conference, Coventry, July 2001.
- ‘Fenestration Rating’ – Glass and Glazing Federation Technical Forum – Warwick, September 2001.
- ‘Energy Management and Injection Moulding’ – Institute of Materials Conference, Norwich, September 2001.
- 'Energy Rating – the future for thermal assessment of windows', Glassex Seminars, NEC Birmingham, March 2002.
- 'Waste Minimisation in Glass Processing', Glassex Seminars, NEC Birmingham, March 2002.
- ‘Fenestration’, RICS Building Surveying Faculty Briefing 2002, Hilton Dunblane Hydro, Perthshire. April 2002.
- 'Labour Costs Don't Matter Any More', Interplas Seminar, NEC, October 2002.
- ‘EMS – An easy guide to saving money’, Interplas Seminars, NEC, October 2002.
- ‘Cost Management in Plastics Processing’, Plenary Lecture, Equiplast Exhibition Symposia, Barcelona, Spain, November 2002.
- 'The Uncertain Future', Glassex Seminars, NEC Birmingham, March 2003.
- 'Would you buy a 'D' rated fridge?'. British Woodworking Federation Members Day, Leicester, March 2003.
- 'Three Times is Enemy Action – The Future for Wood–Plastic Composites', British Woodworking Federation Members Day, Leicester, March 2003.
- 'Cleaner Design in Facades – A Route Map for the Future', Keynote Lecture at 'Facade Design and Procurement' Conference, Centre for Window and Cladding Technology, University of Bath, April 2003.
- ‘Energy Benchmarking in Plastics Processing’, Scottish Plastics and Rubber Association, Livingstone, November 2003.
- ‘Introduction to wood plastic composites’, Wood Plastic Composites Conference, Scottish Forest Industries Cluster, Dundee, January 2004.
- ‘Practical steps and assistance to improve energy efficiency’. British Plastics Federation ‘Energy Solutions’ Conference, London, March 2004.
- ‘Window Energy Rating’. Glass and Glazing Federation Conference 04, Birmingham, June 2004.
- ‘Introduction to wood plastic composites’, Wood Plastic Composites Conference, Building Research Establishment, Garston, October 2004.
- ‘Window Energy Rating: The future of Part L?’, Glassex Seminar, NEC, March 2005.
- ‘How to get your Windows Rated’, Glassex Seminar, NEC, March 2005
- ‘Window Energy Rating: How relevant is WER to social landlords and tenants?’, Glassex Seminar, NEC, March 2005
- ‘Achieving Energy Efficient Production’, Plastics Design and Moulding Conference, Telford, April 2005.
- ‘Energy Efficiency and Windows’, Building Surveyors Day, Invicta CPD, University of Kent, April 2005.
- ‘Practical Steps to Improve your Energy Efficiency’, British Plastics Federation Energy Solutions Conference, IPTME Loughborough, April 2005.
- ‘Financial Support for Energy Saving Investment’, British Plastics Federation Energy Solutions Conference, IPTME Loughborough, April 2005.

Dr. ROBIN JOHN KENT

- ‘Wood Plastics Composites – A Case Study in Recycling’ M.Sc. Environmental Engineering Course, University of Surrey, May 2005.
- ‘Window Energy Rating’, The Legislative Façade Conference, CIBSE, London, June 2005.
- ‘Practical Steps to Improve your Energy Efficiency’, Interplas 2005, NEC, September 2005.
- ‘Labour Costs Don’t Matter Any More’, British Plastics Federation Environmental Management Conference, London, March 2006.
- ‘BFRC Energy Rating – The Benefits for RSLs and their Tenants’, Glassex Seminars, NEC, March 2006.
- ‘Window Energy Rating – The Basics’, Energy Efficiency in Focus Conference, Coventry, May 2006.
- ’10 Low–Cost Actions to Reduce Energy Costs’, Plastics Design and Moulding Conference, Telford, October 2006.
- 'Energy Management in Plastics Processing’ Masterclass produced for the Carbon Trust in Wales, November 2006.
- ‘Energy Management in Plastics Processing’, Chinaplas, 2007, Guangzhou, China, May 2007.
- ‘Energy Management in Plastics Processing – A framework for measurement, assessment and prediction’, Polymer Process Engineering ’07, University of Bradford, Bradford, July 2007.
- ‘Energy Management in Plastics Processing’, Kunstoffe, Dusseldorf, October 2007.
- ‘Cost Management in Plastics Processing’, EasyFair Seminars, Dublin, February 2008.
- ‘Energy Management in Plastics Processing’, EasyFair Seminars, Dublin, February 2008.
- ‘Energy Management in Plastics Processing’, Plastics Design and Moulding Conference, Telford, April 2008.
- 'Energy Management in Plastics Processing’ Masterclass presented for the Carbon Trust in Wales, October 2006.
- 'Energy Management in Plastics Processing’ Workshop and paper presented at Sustain ’08, Chicago, Illinois, November 2008.
- 'Energy Management in Plastics Processing’ Workshop and paper presented at Plastics News Executive Forum, Las Vegas, March 2009.
- ‘Manufacturing Efficiency Energy Boot Camp’, British Plastics Federation Manufacturing Efficiency Conference, London, June 2009.
- 'Energy Management in Plastics Processing’, Masterclass for AMI Training, Coventry, June 2009.
- ‘Manufacturing Efficiency Energy Boot Camp’, British Plastics Federation Manufacturing Efficiency Conference, London, March 2010.
- ‘Energy Management in Plastics Processing – A Practical Boot Camp for Molders’, Keynote Lecture at Molding 2010 Conference, San Antonio, Texas, April 2010.
- ‘Energy Management in Plastics Processing’ Workshop, Molding 2010, San Antonio, Texas, April 2010.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, London, April 2010.
- 'Energy Management in Plastics Processing’, Masterclass for ResourceKraft, Dundalk, Ireland, May 2010.
- 'Energy Management in Plastics Processing’, Masterclass for AMI Training, Coventry, June 2010.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, Warrington, September 2010.
- ‘Energy Management in Plastics Processing’, Masterclass, Bangkok, January 2011.
- ‘Energy Management in Plastics Processing’, Masterclass, Kuala Lumpur, January 2011.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, London, May 2011.
- ‘Energy Management in Plastics Processing’ Masterclass, Melbourne, May 2011.
- ‘Energy Management for Rotational Molders’, Association of Rotational Molders Conference 2011, Chicago, November 2011.
- ‘Energy Management in Plastics Processing’, Scottish Plastics and Rubber Association, Edinburgh, December 2011.
- ‘Energy Management in Plastics Processing – Further explorations in measurement, assessment and prediction’, Polymer Process Engineering ’11, University of Bradford, Bradford, December 2011.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, Stoke-on-Trent, December 2011.
- ‘Energy Management in Plastics Processing’ Masterclass, Jakarta, March 2012.
- ‘Energy Management in Plastics Processing’ Masterclass, Bangkok, March 2012.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, London, London May 2012.
- ‘Energy Management for Plastic Processors’, APIP (The Portuguese Plastic Industry Association), Figueira da Foz, Portugal, November 2012.
- 'Cost Management in Plastics Processing’, Bangkok, July 2013.
- ‘Energy management experiences from the world plastics industry’ – InnEEPlas Launch Event, Brugge, Belgium, September 2013.
- ‘Energy management experiences from the world plastics industry’ – InnEEPlas Launch Event, Diepenbeek, Belgium, September 2013.

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- ‘Cost Management in Plastics Processing’, Nashville, October 2013.
- ‘Carbon footprints in Plastics Processing’, Polymer Process Engineering ’13, University of Bradford, Bradford, November 2013.
- 'Plastik Işlemede Enegerji Yönetimi', PAGDER Seminar, Istanbul, 24 September 2014.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, Birmingham, October 2014.
- 'Energy Management in Metal Injection Molding', Keynote Speech and Workshop, MIM '15 Conference, Tampa, February 2015.
- 'Energy Management in Plastics Processing', KOENST Conference, Zwolle, March 2015.
- 'Energy Management in Plastics Processing', Flanders Plastic Vision, Antwerp, April 2015.
- 'Energy management – New technologies for plastics processing', Polymer Process Engineering ’15, University of Bradford, Bradford, September 2015.
- ‘Energy Management for Rotational Moulders’, Association of Rotational Moulders Conference, Nottingham, September 2015.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, Birmingham, November 2015.
- 'Plastik Sanayinde Maliyet Yönetimi', PAGDER Seminar, Istanbul, 21 April 2016.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, Stoke on Trent, 5 July 2016.
- 'Plastics Save: A roadmap for the future', Plastics Industry Association of Sri Lanka, Colombo, 10 August 2016.
- ‘Energy Management for Plastic Processors’, Plastics Industry Association of Sri Lanka, Colombo, 13 August 2016.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, Edinburgh, 15 November 2016.
- ‘Introduction to Energy Management for Masterbatch and Compounders’, EuMBC, Brussels, 24 November 2016.
- ‘Energy Management in PVC Processing’, PVC 2017, IoMMM, Brighton, 26 April 2017.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, London, 3 October 2017.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, London, 18 September 2018.
- ‘Energy Management for Plastic Processors’, EAFIT University, Medellin, Colombia, March 2019.
- ‘How to manage energy consumption and costs in polymer processing’, Institute ICIPC Seminar: Eficiencia Energética y Competitividad en la Industria de Plásticos: cómo lograrlo, EAFIT University, Medellin, Colombia, April 2019.
- ‘Energy use in polymer processing – a framework for measurement, assessment and prediction’, Institute ICIPC Seminar: Eficiencia Energética y Competitividad en la Industria de Plásticos: cómo lograrlo, EAFIT University, Medellin, Colombia, April 2019.
- ‘Energy use in polymer processing – making measurements and reducing energy use’, Institute ICIPC Seminar: Eficiencia Energética y Competitividad en la Industria de Plásticos: cómo lograrlo, EAFIT University, Medellin, Colombia, April 2019.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, London, November 2019.
- ‘Sustainability – It is not what you think it is’, Interplas Lecture, Interplas, September 2021.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, London, December 2021.
- ‘Sustainable manufacturing in plastics processing’, Sustainability and Plastics 2022 Conference, British Plastics Federation, April 2022.
- ‘Energy Management in Rotational Moulding’, British Plastics Federation, Innovation in Rotational Moulding, Loughborough, June 2022.
- ‘Energy Management in Plastic Processing’, PlasticsLive, Coventry, July 2022.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, Leeds, September 2022.
- ‘Sustainability Management for Plastics Processors’, First Polymer Training, Athlone, Ireland, April 2023.
- ‘Controlling energy use in plastics processing’, IPG Polymer Processing Conference, Polymer Technology Ireland, Athlone, Ireland, April 2023.
- ‘Polymer processing towards Net Zero’, Sustainable Plastics Live and GRIPS Conference, Coventry, May 2023.
- ‘Sustainability – It is not what you think it is’, Arburg 100th Birthday Celebration, Warwick, May 2023.
- ‘Sustainable Manufacturing for Plastics Processors - the good the bad and the ugly’, Sustainability and Plastics 2023 Conference, British Plastics Federation, June 2023.
- ‘Energy Management for Plastic Processors’, First Polymer Training, Athlone, Ireland, September 2023.
- ‘Sustainability – It is not what you think it is’, Arburg 100th Birthday Celebration, Athlone, Ireland, September 2023.
- ‘Top Tips for Net Zero’, Interplas 2023, NEC, September 2023.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, Leeds, November 2023.
- ‘Sustainability – it’s not what you think it is’, PlasticsLive, Coventry, June 2024.
- ‘Calculating Your Carbon Footprint’, Rotoplas, Chicago, September 2024.
- ‘Energy Management in Rotational Molding’, Rotoplas, Chicago, September 2024.

- ‘Energy Management in Plastic Processing’, Staubli Open Day, Telford, October 2024.
- ‘Sustainability – It is not what you think it is’, Staubli Open Day, Telford, October 2024.
- ‘Sustainability – It is not what you think it is’, Summit Systems Open Day, Tamworth, November 2024.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, Knutsford, November 2024.
- ‘Plastics Processing’, Seminar delivered to Materials Engineering students, Imperial College, February 2025.
- ‘Energy Management for Plastic Processors’, First Polymer Training, Athlone, Ireland, April 2025.
- ‘Sustainability – It is not what you think it is’, Irish Polymer Group Annual Conference, Athlone, Ireland, April 2025.
- ‘Carbon Footprinting for Rotational Moulders’, Rotomould 25, ARMA Conference, Hobart, Australia, May 2025.
- ‘Energy Management in Rotational Molding’, Rotomould 25, ARMA Conference, Hobart, Australia, May 2025.
- ‘Sustainability – It is not what you think it is’, Rotomould 25, ARMA Conference, Hobart, Australia, May 2025.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, Birmingham, November 2025.
- ‘Avoiding Greenwashing for Plastics Processors’, Interplas Lecture, Interplas, June 2026.

WEBINARS/VIDEOS/PODCASTS

- Energy Management Series for SpecialChem, April, 2008.
- Energy Management Series for Plastics News: 1. The manager's role – how to ask the right questions and write an action plan, July, 2010.
- Energy Management Series for Plastics News: 2. Maximizing savings from power supplies, motors, water cooling & drying polymers, July, 2010.
- Energy Management Series for Plastics News: 3. Finding energy savings during processing, September 2010.
- Energy Management Series for Plastics News: 4. Energy-efficient operations and plants, September 2010.
- Energy Management – Top Tips, Unitherm, May 2011.
- Energy Management for Services: British Plastics Federation Training Video, March 2013.
- Energy Management for Injection Moulding: British Plastics Federation Training Video, March 2013.
- Energy Management in Compounding Extrusion, Century Extrusion, July 2015.
- Energy Management for Plastics Processors, Exxon Mobil, September 2017.
- Energy Management for Plastics Processors (US edition), Exxon Mobil, April 2018.
- Advancing Industry 4.0 in Plastics with Hydraulic Fluids, Exxon Mobil, November 2018.
- Advancing Industry 4.0 in Plastics with Hydraulic Fluids (US edition), Exxon Mobil, April 2019.
- Reducing production and saving energy, British Plastics Federation, April 2020.
- Eficiencia energética 1: Webinar given for ICIPC, Colombia, July 2020.
- Eficiencia energética 2: Webinar given for ICIPC, Colombia, July 2020.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, Zoom, November 2020.
- ‘Carbon Footprinting for Plastics Processors’, British Plastics Federation, Zoom, December 2020.
- ‘Carbon Footprinting for Plastics Processors’, British Plastics Federation/Plastics Consultancy Network, ‘Lunch and Learn Series’, Zoom, January 2021.
- ‘Carbon Footprinting for Plastics Processors’, British Plastics Federation, Zoom, January 2021.
- ‘Energy Management for Plastics Processors’, British Plastics Federation/Plastics Consultancy Network, ‘Lunch and Learn Series’, Zoom, January 2021.
- ‘Water Management for Plastics Processors’, British Plastics Federation/Plastics Consultancy Network, ‘Lunch and Learn Series’, Zoom, January 2021.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, Zoom, March 2021.
- ‘Routes to Net Zero for Plastics Processors’, British Plastics Federation ‘Achieving Net Zero’ conference, July 2021.
- ‘Sustainability Management for Plastics Processors’, British Plastics Federation, Zoom, October 2021.
- ‘Sustainability – It is not what you think it is’, British Plastics Federation/Plastics Consultancy Network, ‘Lunch and Learn Series’, Zoom, February 2022.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, Zoom, March 2022.
- ‘Sustainability – A rapid introduction’, British Plastics Federation Sustainability Conference, April 2022.
- ‘Carbon Footprinting for Plastics Processors’, British Plastics Federation, Zoom, May 2022.
- ‘Sustainability Management for Plastics Processors’, British Plastics Federation, Zoom, June 2022.
- ‘Carbon Footprinting for Plastics Processors’, British Plastics Federation, Zoom, November 2022.
- ‘Energy Management for Plastic Processors’, First Polymer Training, Zoom, November 2022.
- ‘Net-Zero for Plastics Processors’, British Plastics Federation, Zoom, December 2022.

- Interplas Insights Podcast – “Roundtable discussion on achieving energy savings for injection moulders”, February 2023.
- ‘Net-Zero for Plastics Processors’, British Plastics Federation, Zoom, March 2023.
- ‘Carbon Footprinting for Plastics Processors’, British Plastics Federation, Zoom, May 2023.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, Zoom, June 2023.
- ‘Carbon Footprinting for Plastics Processors’, British Plastics Federation, Zoom, September 2023.
- ‘Energy Management for Plastic Processors’, SPE, Teams, October/November 2023.
- ‘Energy efficiency in Polymer Processing’, Sospol Colombia, February 2024.
- ‘Carbon Footprinting for Plastics Processors’, First Polymer Training, Zoom, February 2024.
- ‘Sustainability Management for Plastics Processors’, British Plastics Federation, Zoom, March 2024.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, Zoom, April 2024.
- ‘Energy Management’, SPE, April 2024.
- ‘Practical Advice for Plastics Processors’. BPF Nearer Net Zero Seminar, April 2024.
- ‘Carbon Footprinting for Industry’, ATIM/First Polymer Training, Zoom, May 2024.
- ‘Carbon Footprinting for Plastics Processors’, British Plastics Federation, Zoom, June 2024.
- ‘Net-Zero for Plastics Processors’, British Plastics Federation, Zoom, June 2024.
- ‘Energy Mapping’, British Plastics Federation, Zoom, July 2024.
- ‘Sustainability Management for Plastics Processors’, British Plastics Federation, Zoom, October 2024.
- ‘Energy Management for Plastic Processors’, SPE, Teams, October 2024.
- ‘Energy Management in Plastic Processing – Top Tips’, Plastics Technology Tech Days, October 2024.
- ‘Carbon Footprinting for Plastics Processors’, British Plastics Federation, Zoom, November 2024.
- ‘Energy Management in Rotational Molding’, Rotomoulding Tech Talk, TechnoBiz, Thailand, November 2024.
- ‘Net-Zero for Plastics Processors’, British Plastics Federation, Zoom, December 2024.
- ‘Energy Mapping’, British Plastics Federation, Zoom, February 2025.
- ‘Sustainability Management for Plastics Processors’, British Plastics Federation, Zoom, March 2025.
- ‘Energy Management for Plastic Processors’, British Plastics Federation, Zoom, March 2025.
- ‘Energy Mapping’, British Plastics Federation, Zoom, April 2025.
- ‘Net-Zero for Plastics Processors’, British Plastics Federation, Zoom, June 2025.
- ‘Carbon Footprinting for Plastics Processors’, British Plastics Federation, Zoom, June 2025.
- ‘Energy Mapping’, British Plastics Federation, Zoom, September 2025.
- ‘Sustainability Management for Plastics Processors’, British Plastics Federation, Zoom, October 2025.
- ‘Carbon Footprinting for Plastics Processors’, British Plastics Federation, Zoom, November 2025.
- ‘Net-Zero for Plastics Processors’, British Plastics Federation, Zoom, December 2025.
- ‘Sustainability Management for Plastics Processors’, British Plastics Federation, Zoom, March 2026.
- ‘Energy Mapping’, British Plastics Federation, Zoom, May 2026.

CHAIRMAN OF DRAFTING COMMITTEES / CONFERENCES

- Quality Management – A Window Fabricators Guide, British Plastics Federation Windows Group, Publication 322/1.
- A Guide to the Survey and Installation of Conservatories (Part 1), British Plastics Federation Windows Group, Publication 337/1.
- A Guide to Commercial and Light Industrial Applications of PVC-U Screening, British Plastics Federation Windows Group, Publication 351/1.
- A Guide to the Survey and Installation of Conservatories (Part 2), British Plastics Federation Windows Group, Publication 337/2.
- The Survey and Installation of Conservatories (Theoretical Derivations), British Plastics Federation Windows Group, Publication 346/1.
- Window Replacement and Planning Law, British Plastics Federation Windows Group, Publication 357/1.
- Chairman of ‘Plasticology 98’ Seminar Series – The Belfry, Sutton Coldfield, 1998.
- Productivity Redefined: Energy Management, British Plastics Federation Productivity Committee, 2024.
- Productivity Redefined: Waste Minimisation, British Plastics Federation Productivity Committee, 2025.

INDUSTRY REPRESENTATION

- 1990 – 1992: Vice Chairman of Technical Committee: British Plastics Federation Windows Group.
- 1992 – 1994: Chairman of Technical Committee: British Plastics Federation Windows Group.
- 1994 – 1996: Vice Chairman of Group Management Committee: British Plastics Federation Windows Group.
- 1993 – 2011: Member of Centre of Window and Cladding Technology (CWCT) Research and Technical Committees.

Dr. ROBIN JOHN KENT

- 1995 – 1996: Member of Drafting Committee for ‘Energy Consumption Guide’ on Extrusion of Thermoplastic Pipes and Profiles, produced for the Energy Efficiency Office under Energy Technology Support Unit (ETSU) contract.
- 1996: Judge for Glassex Glass and Glazing Industry Awards.
- 1997: Judge for Window Industries ‘Fabricator of the Year Awards’.
- 1997: Judge for Glassex Glass and Glazing Industry Awards.
- 1997 – 1998: Member of Project Advisory Panel for ‘Good Practice Guide 239’ on ‘Energy efficient thermoplastics extrusion’ produced for the Energy Efficiency Enquiries Bureau under Energy Technology Support Unit (ETSU) contract.
- 1998: Judge for Window Industries ‘Fabricator of the Year Awards’.
- 1998: Judge for Glassex Glass and Glazing Industry Awards.
- 1999: Judge for Window Industries ‘Fabricator of the Year Awards’.
- 1999: Judge for Glassex Glass and Glazing Industry Awards.
- 2000: Judge for Window Industries Fabricator of the Year Awards.
- 2000: Judge for Glassex Glass and Glazing Industry Awards.
- 2002 – 2008: Chairman of Plastics Consultancy Network International.
- 2004: Judge for G’04 Glass and Glazing Industry Awards.
- 2005: Judge for G’05 Glass and Glazing Industry Awards.
- 2006: Judge for G’06 Glass and Glazing Industry Awards.
- 2006: Judge for Plastics Industry Awards.
- Voted 13th in the Window Industries top 30 Most Influential People in the UK window industry (2006).
- 2007: Judge for G’07 Glass and Glazing Industry Awards.
- 2007: Judge for Plastics Industry Awards.
- 2008: Judge for Plastics Industry Awards.
- 2009: Judge for Design Innovation in Plastics Awards.
- 2009: Judge for Plastics Industry Awards.
- 2009 – 2013: Member of Editorial Advisory Panel of ‘Proceedings of ICE– Construction Materials’.
- 2010: Judge for Plastics Industry Awards.
- 2010: Judge for Design Innovation in Plastics Awards.
- 2010: Awarded ‘Personal Contribution’ award at the UK Plastics Industry Awards.
- 2011 – 2018: Contributing Editor to Plastics Engineering (Journal of Society of Plastics Engineers).
- 2011: Judge for Design Innovation in Plastics Award.
- 2011: Judge for Plastics Industry Awards.
- 2012: Judge for Design Innovation in Plastics Award.
- 2012: Judge for Plastics Industry Awards.
- 2012: Judge for G’12 Glass and Glazing Industry Awards.
- 2013: Judge for Design Innovation in Plastics Award.
- 2013: Judge for Plastics Industry Awards.
- 2013: Judge for G’13 Glass and Glazing Industry Awards.
- 2014: Judge for Design Innovation in Plastics Award.
- 2014: Judge for Plastics Industry Awards.
- 2014: Judge for G’14 Glass and Glazing Industry Awards.
- 2015: Judge for Design Innovation in Plastics Award.
- 2015: Judge for Plastics Industry Awards.
- 2016: Judge for Design Innovation in Plastics Award.
- 2016: Judge for Plastics Industry Awards.
- 2016 – Present: Assessor for C.Eng. and other grades for Energy Institute.
- 2017: Judge for Design Innovation in Plastics Award.
- 2017: Judge for Plastics Industry Awards.
- 2018: Judge for Design Innovation in Plastics Award.
- 2018: Judge for Plastics Industry Awards.
- 2019: Judge for Design Innovation in Plastics Award.
- 2020: Judge for Design Innovation in Plastics Award.
- 2021: Judge for Design Innovation in Plastics Award.
- 2021: Judge for Plastics Industry Awards.
- 2021-Present: Project Leader for Science Gateways Project for Worshipful Company of Horners.
- 2022: Judge for Design Innovation in Plastics Award.
- 2022: Judge for Plastics Industry Awards.
- 2023: Judge for Design Innovation in Plastics Award.
- 2023: Judge for Plastics Industry Awards.

- 2023: Voted as member of ‘75 for 75’, based on significant contribution to advancing the UK plastics sector during the 75 years of Interplas.
- 2023: Awarded British Plastics Federation Gold Medal for contribution to the BPF and the plastics industry.
- 2024: Judge for Design Innovation in Plastics Award.
- 2024: Judge for Plastics Industry Awards.
- 2025: Judge for Design Innovation in Plastics Award.
- 2025: Judge for Plastics Industry Awards.
- 2025: Member of Drafting Panel for ‘ESG Guidance Document’, published by British Plastics Federation.
- 2026: Judge for Design Innovation in Plastics Award.

PATENTS

- UK Patent GB 2 279 684 A – Sliding Panels.
- UK Patent Application 97 19646.3 – Locking Mechanism for Windows.