

2015 BSI Standards Awards Winners*BSI International Standards Maker*

Terry Journeaux

Stuart MacConnacher

Frank Moore

Dr Anne-Marie Warris

*BSI Leadership Award*

Mike Regan

Dr Miles Watkins

Dr Patricia Pay

Dr William Chan

Haydn White OBE

*BSI Wolfe Barry Medal*

Alexander Sutherland

The BSI Standards Awards are the most prestigious awards BSI gives to committee members and were created to recognize outstanding contributions by emerging standards-makers, international standards-makers and committee chairmen. In addition, with the special Wolfe Barry Medal, BSI recognizes exceptional commitment and contribution to standards-making by an individual. Through their services to standards-making, these individuals are helping their sectors to develop and grow, and helping to safeguard consumers.

**BSI International Standards Maker Awards**

The BSI International Standards Maker award is presented to serving or recently retired BSI committee members for their outstanding contributions to international or European committees.

**Terry Journeaux**

For over 30 years the UK has been the world leader in the development of test methods and the subsequent standards covering the fire behaviour of electric cables. Terry Journeaux has been engaged in this work from its earliest days, and contributed strongly, via both practical research and development

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and the writing of early British Standards. With these early standards came the demand for cables meeting these standards and a realization that their transfer into IEC and CENELEC was necessary. Terry had a pivotal role, taking the convenorships of the relevant European and international Working Groups (CENELEC TC 20 WG 10 and IEC TC 20 WG 18) in, respectively, 1993 and 2000, and holding the roles until only recently. He has however remained as UK member of the groups, and his successors as convenor look to him for continuing support and guidance.

During his time the complete portfolio of standards for the reaction to fire of cables has been transformed from national standards into a widely-respected series of IEC test methods covering the essential characteristics:

- ignition and burning (IEC 60332-1 and -2)
- flame spread in vertical installations (IEC 60332-3)
- evolution of acidic and corrosive gases (IEC 60754)
- evolution of smoke (IEC 61034)

These test methods have brought a significant and verifiable advance in the use of safer cables whilst the UK has maintained its leading position in the manufacture and supply of the relevant cables worldwide.

Under Terry's guidance, test method standards (and associated cable standards) for resistance to fire, especially supporting the key safety areas for fire alarm systems and for emergency lighting, has also been concluded. EN 50200 (*Method of test for resistance to fire of unprotected small cables for use in emergency circuits*) and IEC 60331 (*Tests for electric cables under fire conditions - Circuit integrity*) are prime examples of where his dedicated and painstaking work – he has a mastery of both the test methods and the means of translating them into written standards, has advanced safety and the fortunes of UK industry.

His most recent contribution has been to the work to include cables, in respect of fire performance, under the Construction Products Regulation (CPR). Because of the nature of this decision, it has been necessary to introduce complex modifications to test methods, and to present them as separate standards. This has especially concerned the issue of flame spread, where the mandated test method requires the specific addition of in-line testing for harmful smoke and gases. Terry was the principal coordinator of extensive development work with fire testing bodies which, after many years, resulted in the successful publication in 2011 of the common test methods for cables under fire conditions (EN 50399), and in 2014 of the complex rules of cable selection (CLC/TS 50576) for the purposes of testing under the Regulation.

The listing in the Official Journal of the European Union (OJEU) of the harmonized product standard (EN 50575, *Cables for general applications in construction works subject to reaction to fire requirements*) was the final piece of work relating to the CPR in respect of cable fire performance. This landmark event will shortly allow the introduction of a full European testing and classification scheme for fire performance cables. It would not have happened without Terry's expertise and negotiating skills, and his many years of dedication to the work.

**Stuart MacConnacher**

Stuart MacConnacher has represented the UK on many international and European committees for approximately 25 years. In particular he has been actively involved in the work of the committees for safety of household and similar electrical appliances (IEC TC 61 and CLC TC 61), which have a portfolio of over one hundred standards. Most of these standards are constantly being revised to ensure that they reflect current technology and also, in Europe, to ensure compliance with the essential requirements of European Directives. The workload is therefore heavy and requires a fine eye for detail and meticulous checking that all the various standards in the portfolio remain consistent with each other.

As leader of the UK delegation, Stuart has ensured that the UK is a leading force in the improvement of safety requirements of these appliances. He makes a conscious effort to involve authorities in the UK e.g. the London Fire Brigade, the UK Government and consumers. As the UK generally has more safety statistics than other countries for these appliances he is often a lone voice in the IEC and CENELEC in pushing for a changes to standards; it is often only after much persuasion that other countries see that there is any safety problem at all.

In particular, Stuart has been influential in bringing about the following changes to IEC and CENELEC standards:

- explicit recognition that products are often used by children and vulnerable people, with allowance for this in standards for household appliances where it is practical and safe to do so;
- fires in refrigeration appliances – whilst the battle is not yet over, Stuart has been able to convince many countries that the standard needs to be amended to address a serious issue that has resulted in a number of fatalities;
- improved surface temperature limits on appliances;
- modification of design of tumble dryers and washer-dryers to prevent child entrapment;
- introduction of a warning in the standard for safety of dishwashers on how to load knives safely. This followed a death in the UK where a boy had fallen onto a knife that had been loaded blade upwards.

Stuart is also actively involved as a UK expert on various IEC and CENELEC working groups and is currently convenor of IEC TC 61 MT4 on temperature limits and resistance to heat and fire and CLC/TC 61 WG8 on toy-like (“child-appealing”) appliances.

A particularly important additional role is his membership of the editing committees of IEC/TC 61 and CLC/TC 61 as the only native English speaker. Stuart’s expert eye is invaluable, as the texts are extremely complex. The reliability of the definitive English language text is fundamental to the worldwide uptake of these standards. Stuart’s technical understanding of the whole picture, recollections of wording used elsewhere and ability for clear communication enables consistent and unambiguous standards to be published.

As well as work in TC 61, Stuart has also represented the UK internationally in TC 59 (Performance of household appliances), TC 72 (Automatic controls for household use), and IEC/TC 89 (Fire hazard testing), where he has also enabled the UK to make a significant impact.

In all, Stuart is a great ambassador for the UK. He is diplomatic with a strong appreciation of other cultures but at the same time is able to be persuasive in order to gain acceptance for the UK position even when he is in a minority. He gives up much of his own time in order to achieve this.

**Frank Moore**

Frank has been a very prominent member of BSI, CEN and ISO textiles committees for many years. He stepped down as the Chairman of CEN/TC 248 (Textiles and textile products) at its meeting in October 2015, after 17 years in that position. He was also the Chairman of ISO/TC 38 (Textiles, CEN/TC 248's international counterpart) from 2000 to 2009 and represented the retail, clothing and textile industry on many international, European and British technical and quality management standards committees over a period in excess of 40 years.

During that time as CEN and ISO chairman he has fostered agreement and cordial relations between all those attending. A man of great personal charm, he has always sought to involve all countries in standards work and to encourage all those attending meetings for the first time. A man of great patience, he has never hesitated to help those new to standards, particularly by explaining process and procedure. Attending meetings chaired by him is something to be looked forward to, for although very serious work is undertaken, there is always a lightness of touch and plenty of humour. Frank is very popular with delegates from other countries, for his professionalism, his help, his sense of humour and his friendship.

In addition, Frank has done much to encourage involvement in standards work by the CEN members from newer EU Member States. He has spoken at EU Conferences and facilitated CEN meetings in the countries concerned, in order to encourage attendance from many who have never attended a European (or international) Standards meeting before.

He is an Honorary Fellow of the Society of Dyers and Colourists and Fellow of the Textile Institute and has over 50 years' experience in the textile, clothing and consumer goods retail industry, much of it in laboratories. He started work in a public textile testing laboratory then moved into the retail trade to manage a textile laboratory.

In 1978 he moved to become Controller, Technical Services Department of British Home Stores. In 1990 he moved to The John Lewis Partnership; the UK's leading and largest department store group where he was Head of Merchandise Standards. In this position he managed a quality assurance team of diverse technologists, a consumer products testing laboratory and a supplier audit team. He established, implemented and controlled, on a worldwide basis, the safety, performance and quality standards for all the John Lewis own-brand merchandise as well as controlling the standards of all products sold through the stores.

He has since retired from business, although he is still active in BSI committee work, and has attended EU labelling meetings on behalf of the UK, latterly accompanying the new BIS representative to the ministerial part of that meeting.

Frank is an internationally recognised expert in the field of consumer product evaluation, testing and quality management systems particularly in the area of garment and textile technology. He has presented many technical papers at seminars and conferences both in the UK and internationally, including China. In the UK, he is a former Chairman of BSI's committee TCI/100 (Co-ordination of activities in textiles and clothing).

**Dr Anne-Marie Warris**

Anne-Marie Warris is a leading expert in environmental issues and climate change, and has been Chair of ISO/TC 207/SC 1 (Environmental management systems) since 2009. In that capacity, she has been a driving force in international standards development. In particular she has:

- played a pivotal role in the development of the “high level structure”, identical core text and common terms and core definitions for use in management systems standards (Annex SL to the ISO Directives), now in use in both ISO 14001:2015 and ISO 9001:2015, among some 25 other management systems standards. This included acting as Chair of ISO TMB's JTCG (Joint Technical Coordination Group) which has responsibility for the monitoring and ongoing development of Annex SL;
- overseen the successful revision to ISO 14001, most popular environmental standard in the world and the second biggest-selling standard in the world after ISO 9001. Some 3,00,000 companies globally have been certified to ISO 14001. The detailed and inclusive process included the creation of SC1 Future Challenges Study Group at the start of her tenure and finished with the publication of ISO 14001:2015 on 15<sup>th</sup> September 2015, bringing together some 70 participating and 19 observer countries;
- overseen the ISO 14001 Continual Improvement Survey 2013 (which had an unprecedented response from almost 5,000 users around the world), took part in online ISO 14001 presentations, wrote ISO 14001 website text for ISO and ensured that the users and potential users of the revised standard have been informed about the progress and nature of the revision through the creation of a bespoke SC1 website via the ISO pilot programme – see <https://committee.iso.org/tc207sc1> – with critical support material for users, particularly those in developing countries;
- overseen the production of other ISO TC 207 SC1 standards including ISO 14004 (environmental management guidance, revision due to be published in early 2016), ISO 14005 (staged implementation of an environmental management system) and ISO 14006 (Ecodesign), guiding convenors through the ISO process from initial ideas to publication and beyond;
- Worked closely with ISO/TC 207 leadership to initiate the cross-sector work now being carried out by the ISO Climate Change Co-ordination Committee (CCCC).

Anne-Marie also provides expertise on UK mirror committees, sitting as a BSI committee expert on SES/1 (Environmental management), SES/1/1 (Environmental management systems), SES/1/7 (Greenhouse gas management), and the strategic group Climate Change Strategy Committee. Her input into standards development and strategic decision-making in all these committees has been extensive and invaluable.

Furthermore, as a UK delegate attending the meetings of international committees, her subject and standards knowledge, diplomacy and friendliness have made her a respected figure within these committees and a great asset to the UK and to BSI.

Anne-Marie's contribution to environmental issues – including her standardization work – has been widely recognized, including:

- being voted on to the top ten on the inaugural Environmentalist Power List by readers of *The Environmentalist* in July 2014;
- being voted as 'Outstanding contributor to ship efficiency' by the industry for the Ship Efficiency Award 2014; and

- awarded Women's International Shipping and Trading Association UK (WISTA UK) Personality of Year for 2013.

## **BSI Leadership Award**

The BSI Leadership Award is given to recognize serving or recently retired chairmen of BSI committees who have demonstrated outstanding leadership.

### **Mike Regan**

Mike Regan was appointed Chair of CH 403 (Aesthetic surgery and aesthetic non-surgical medical services, mirror to CEN/TC 403) with a formidable challenge ahead of him. The remit, to produce a standard on aesthetic surgical services, was an enormous challenge in the United Kingdom. Shortly after the work item began, the PIP breast implant scandal broke and the need for the standard was shown in stark relief against the behaviour of businesses involved in the sector. Mike was a consummate chair of a disparate group with many conflicting agendas. He was the perfect choice for Chair. He allowed delegates to vent their feelings but always stressed the need to gain consensus. His chairing was inclusive, sensitive and productive. Without his leadership it is likely that the mirror group would have been split but it was cohesive and was able to carry the argument in plenary sessions for the need for the standard, in the face of significant opposition from other countries who did not see the need for it. He fully deserves the Leadership Award for the work he has done with CEN TC/403 in his characteristically quiet, diplomatic way.

### **Dr Miles Watkins**

Miles Watkins is nominated for the BSI Leadership Award, on the basis of his exceptional leadership and contribution to the management committee SDS/1 (Sustainable development), and the delivery of the sustainability standards BS 8900:2013-1 and -2, a substantial revision and extension to the original standard from 2006.

Miles became Chairman of SDS/1 in 2008, at a time when he was also making a significant contribution to the development of ISO 26000:2010 (Social responsibility). He undertook both these roles whilst he was Executive Director and board member of a major UK business, Aggregate Industries, and as an active representative of the trade association, British Precast, which shows his personal and professional dedication to standards.

His work is clear evidence of an exceptional and specific personal commitment to the progression of both sustainability and social responsibility within standards. He was able to draw on his professional experience and attract a strong network of contributors to the committees, such that the standards documents were of a very high quality. He instigated the creation of case studies to show how the standard might be applied in a range of organizations, including his own. In these ways, Miles is an excellent and credible example of an industrial committee chairman.

Miles was proactive in his leadership of SDS/1 and championed the revision of BS 8900, encouraging the drafting committee to shape the debate, inspire organizations to adopt standards and innovate in its methods and outputs, and he put in substantial personal efforts to ensure that the standard was the best that it could be. By taking responsibility for progress and acting as an exemplar in terms of

professionalism, energy and clear thinking, Miles demonstrates the leadership skills necessary to produce excellence in British and international standards. Importantly, in steering the committee through the revision of BS 8900:2013, his input was instrumental in delivering the new version in two parts (including a new self-assessment section), such that a wide range of organizations could now self-assess against a range of criteria; the contents were honed carefully and sensitively under his chairmanship. The standard can now be applied effectively in a variety of settings, including small businesses and third sector organizations. This contribution alone provides excellent evidence of Miles's commitment to the promulgation of standards across a broad range of BSI customers, beyond large commercial companies.

Miles's sustained leadership of SDS/1 was instrumental in stimulating the debate around sustainability in standards, and his work on BS 8900 contributed significantly to the shaping of ISO 26000, which a standard of high regard and influence. In this way, his global influence in standards generation has been confirmed.

### **Dr Patricia Pay**

Indomitable, highly respected, dedicated, intelligent, articulate, tenacious, motivated, knowledgeable and enthusiastic are some of the words used to describe Dr Patricia Pay, B/559 (Access to buildings for disabled people) committee member since 1985 and committee Chair from December 2005 until her death, following a rapid decline in her health, in January 2015.

If one word summed up Tricia, it was "indomitable", which describes the manner in which she dealt with frequent spells of serious ill health, which never prevented her from fulfilling and exceeding in her role as chair of B/559. Tricia had been a wheelchair user for most of her adult life and brought to the committee her personal experience, which she employed to lead the development of British Standards – in particular – BS 8300:2009 *Design of buildings and their approaches to meet the needs of disabled people. Code of practice*, which improves the lives of disabled people.

Tricia's dedication to the position she was very proud to hold was impressive, spending considerable time in leading the development of standards, responding to public consultations, providing feedback to other BSI-related publications and of course chairing B/559 for three meetings per year for 9 years.

Chairing B/559, which has over 45 members, and which deals with issues of social welfare and equality, is a challenging and often an exhausting role, which Tricia handled with aplomb. She had worked full-time as a lawyer, and attained four university degrees, accomplishments which served her well in her role as Chair.

Tricia contributed to the original version of BS 8300 (*Design of buildings and their approaches to meet the needs of disabled people. Code of practice*), published in 2001, which then underwent a huge revision in 2009 under Tricia's auspices.

Tricia indefatigably chaired 18 meetings of the BS 8300 revision drafting panel, as well as contributing to the content of the standard; her leadership skills motivated the panel to complete an enormous task. Tricia further worked with BSI's PR department to publicize both the Draft for Public Comment and the final document.

Having developed a UK best practice standard on disabled access, B/559 was keen to ensure that its

existence was not diluted. For this reason, Tricia led the committee to ensure that ISO 21542:2011 *Accessibility and usability of the built environment* incorporated many of its recommendations, thus improving the lives of disabled people worldwide. After the public enquiry, Tricia chaired a week of meetings to review 100 pages of UK comments. Without her dedication, this international standard would be a far inferior document.

Tricia resigned as Chair two weeks before her untimely death – but still wished to remain a committee member. This demonstrated devotion to the work regardless of her disability and latterly her progressive ill health. She is sorely missed by fellow committee members and BSI staff alike.

### **Dr William Chan**

Since his first involvement in standards activities in 1971, Dr William Chan has made many exceptional contributions to a range of National, European and US standards.

Following an already distinguished career as a civil and structural engineer in both industry and Government, in 1971 William was approached to chair the development of new standards covering the structural use of timber and the structural use of concrete. Such was his success that soon after, in 1972, he was also asked to chair the loading committees, converting the then CP112 into the building loadings standard BS 6399. This required his particular blend of skills in civil and structural engineering, as well his own brand of quick thinking diplomacy. Many years later these standards were to evolve into the EN1990 and EN1991 suite of standards used by engineers throughout Europe and beyond. William was heavily involved in this transition and continues to offer expert advice to BSI and others on these and related topics.

In the 1990s William played a prominent part when the structure of CEN/TC 128 was established to write the European roofing standards. He has chaired TC 128/SC 2 since that time and has recently presided over the five-yearly review of the concrete roofing tiles standards BS EN 490 and 491. He is one of the few engineers with experience in both pitched roofs (slating and tiling, and sheeted roofs) and flat roofs. As such he has acted as drafting consultant on many roofing standards.

William has often been able to find a way around seemingly irreconcilable opposing views by focusing on the essential underlying principles.

His contribution to the recently revised BS 5534:2014 (*Slating and tiling for pitched roofs and vertical cladding – Code of practice*) has been substantial. The new document incorporates important guidance on the application of the Eurocodes for structural design in terms of wind loading for roofs using discontinuously laid products such as slates and tiles. BS 5534:2014 represents the biggest change to roofing practice in the UK for over 30 years.

Dr Chan is currently convenor of CEN/TC 128/WG3 (Structural design guidance for specifying solar fixings), which again requires his unparalleled knowledge of the loading standards and roofing practice. The resulting CEN Technical Report will provide guidance to non-structural engineers, telling them how to design and specify solar fixings complying with the Euro-Codes. The solar industry is in serious need of such guidance and this document will fill a significant gap.



**Haydn White OBE**

Haydn White has spent his career in civil engineering, specializing in sewerage, and has played a leading role in standardizing water industry procedures and standards, resulting in improved services to the public.

Until 1993, he was Chairman of the UK water industry's national groups responsible for its twin publications, *Civil Engineering Specification for the Water Industry* (CESWI) and *Sewers for Adoption*, having been involved with both from the start. These documents are now used for all new developments in England and Wales and benefit householders by reducing the likelihood of problems and bills arising in the future .

He was a member of the water industry's EU Purchasing Directives Group, which led to close involvement with HM Treasury in the development and implementation of EU Directives and UK Regulations that impact on water industry procurements. He continues to act as the focal point for the UK water industry's interface with the EU Construction Products Directive (CPD), the successor Construction Products Regulation (CPR) and associated UK Regulations. Alongside BSI, he advises BIS and DCLG.

He has been involved with BSI since 1976 and with CEN since 1989. He is a member of the panel that deals with UK input to various CEN bodies and to the Construction Sector Core Group, which provides the UK input to the Standing Committee on Construction, set up under the provisions of the CPD. His in-depth knowledge of the water industry and attention to detail ensures that his advice is robust and pertinent, and means the UK is well prepared when discussions occur in Europe.

By limiting the scope of the international standard on service activities relating to drinking water supply and sewerage, he safeguarded crucial UK water industry interests. Until 2006, he was a member of BSI's Sector Policy and Strategy Committee for Building and Civil Engineering, where his experience in dealing with contractual disputes helped resolve serious internal technical committee disagreement.

Between 1992 and 2008, he chaired BSI's wastewater engineering committee and was leader of the UK delegation to its European equivalent. He is currently chairman of its parent CB/- Infrastructure Advisory Committee, which also has responsibility for committees dealing with water, flooding, water reuse, maritime works, geotextiles and procurement. In all of his appointments, he invests large amounts of his personal time, resulting in efficient and effective systems that benefit all members of the committees and BSI in general. He also provides a huge personal support to committee chairmen and members from industry and government, as well as to BSI staff and management.

He holds a BSI Distinguished Service Certificate and is the author of 25 technical books and papers.

**The BSI Wolfe Barry Medal**

The BSI Wolfe Barry Medal is the most distinguished BSI award is given to a serving or recently retired BSI committee member to recognize an exceptional contribution to standards-making by an individual on a national, European or international level, across one or several technical committees.

**Alexander (Sandy) Sutherland**

Sandy Sutherland has been a member of QS/1 (Quality management) for over 30 years. During this time he has played a significant role in the development and championing of quality standards at national and international level. In the international quality management committee ISO/TC 176 (and beyond) his presence has raised and sustained the UK position as one of leadership and respect.

He has been a leader throughout the evolution of ISO 9001 and the family of quality standards and related documents. He was a leader in both the major revisions in 2000 and 2015. This delivered first the process approach, and then risk-based thinking; these have changed both the face of quality management and the accredited certification of ISO management system standards. QS/1 and ISO/TC 176/SC 2 have overseen the rise of ISO 9001 to be the world's most used management system standard. It has also spawned other sector standards (e.g. automotive, aerospace and medical devices) all based on ISO 9001.

With the most recent revision, and aware of the possibility of exerting too much UK influence over the revision of a global standard, Sandy showed determination not to allow either his own views, or those of the UK secretary to the working group, to influence the draft but rather ensure that every voice of the 100+ experts involved was heard and taken seriously.

Sandy has a rare talent for ensuring every delegate, whether experienced or brand new, is encouraged to speak and be treated with respect. This ISO working group contains many very passionate people and meetings are always lively, with strongly conflicting views being expressed. Sandy has dealt with excessive bad tempers, complete deadlock and more with grace, patience and superb diplomacy.

His participation goes much wider than the flagship standard. He was an originator of the *Small Business Handbook* – which supports a vital, but under-recognized sector. He also participated in the development of the "quality management principles". Finally, he was a UK member and leader on the ISO TMB JTTCG (Joint Technical Coordination Group, the creators of Annex SL – the foundation of all future ISO management system standards).

He has also been involved in the activities of the International Accreditation Forum (IAF) – responsible for worldwide accreditation of (among other things) management system standards, adding to the understanding of the needs of users of ISO 9001, and he has advised the United Kingdom Accreditation Service (UKAS) on management system standards certification matters.

Sandy has championed engagement with other BSI committees covering conformity assessment, occupational health and safety and various ICT issues. This has ensured that the knowledge and experience of QS/1 is shared across other management system standards.

Sandy is the embodiment of the BSI/ISO standards development process – engendering participation, brokering consensus and striving for technical excellence. He is an outstanding leader. He displays objectivity, integrity, tenacity, fairness, understanding, empathy, sensitivity and humour.

Sandy takes care to nurture and mentor new participants in standards development, which can otherwise be intimidating and confusing. QS/1 was the first BSI committee to hold an open forum. This was a successful event and has continued and has expanded to other BSI committees. In addition

to promoting transparency, QS/1 has attracted new members through this type of event. As Chair Sandy supported this approach and handled the event itself confidently and calmly, answering questions from both the public and members in a knowledgeable and accessible way. Feedback from those who attended the event indicated how impressed they were with the level of expertise, leadership and openness demonstrated by Sandy and the committee as a whole.

In addition to Chairing QS/1 Sandy has been a key member of MSEG, the committee which ensures good liaison between all committees writing management system standards and related issues.

His retirement from standards work is well deserved but he will be sorely missed, both at BSI and in the ISO community.



**BSI Standards Awards 2015**