

***Congratulations to all the 2022 Standards Awards winners!***

Please find here below a list of all the 2022 winners of Standards Awards including winners of:

BSI Standards Makers Awards

BSI Standards Users Awards

IEC 1906 Awards

ISO Excellence Awards

The winners were announced at the BSI Standards Conference and Awards at the Park Plaza Victoria in London on 17 November. Recordings of all conference sessions, including the awards presentations, will be available on the BSI website.

**BSI Standards Awards**

The **BSI Standards Awards** recognize exceptional contributions to standards-making (**Standards Makers Awards**) or the successful use of voluntary standards to achieve particular outcomes (**Standards Users Awards**). More information about the awards, including the criteria and the nomination and selection process can be found on the BSI website at: [www.bsigroup.com/standardsawards](http://www.bsigroup.com/standardsawards).

**BSI Standards Makers Awards**

The BSI Standards Makers Awards exist to recognize exceptional contributions to standards-making and the 2022 winners are:

<b>Award</b>	<b>Winner(s):</b>
The Wolfe Barry Medal	Carol Houghton
Best new member	Kerry Mashford Sudharsana Govindaswami
Committee management	Sophie Watson Stephen Read
Creativity	Dr Victoria Hurth
Leadership	Patrick Michael McGuire Phil Bygate Simon R.G. Hall Sue Bolton Dr Akilah Jardine and Dr Alexander Trautrim (Joint Award)
Nominating Body Best Practice	International SOS Foundation
Representing consumers	Michelle McKenna
Representing the UK	Andrew Bond Andrew Foster Brian Atkin Chris Hendy

*Please see subsequent pages to learn more about each winner named above.*

## Outstanding and sustained impact - The Wolfe Barry Medal

This award recognizes exceptional contribution over a standards development career and the winner will be awarded the Wolfe Barry Medal which is tantamount to a "lifetime achievement award."

### **Winner: Carol Houghton**

Our most prestigious award, the Wolfe Barry medal, which is awarded for outstanding and sustained impact is this year awarded to Carol Houghton. Simply put this is the BSI lifetime achievement award for standards-makers. Carol's contribution to standards began over 50 years ago, in the field of fire safety before moving to the fields of energy performance of materials components and buildings, thermal insulating materials and products, thermal performance of buildings and building components and thermal insulation. She was an active member of numerous European and international committees as well as the associated UK national committees. Carol and the depth and breadth of her knowledge and experience played a very significant role in ensuring the committees she led or worked on always produced technically robust standards. Her extensive subject matter and standards knowledge benefitted the work of national, European and international committees and proved invaluable when navigating complex challenges such as the creation of the European single market and the introduction of the Construction Products Directives. Carol merged a focus on and commitment to technically sound outcomes with a focus on people, respect and collaboration not only enabling her to have a tremendous impact on standards but also earning her recognition from her standards-making peers as a role model and sought-after expert. Carol is the 2022 Wolfe Barry Medal winner for a career-spanning commitment to standards and for the outstanding and sustained impact she had on standards and standards-makers.

## Best new member

This award recognizes exceptional contribution by a committee member who has been on the committee for five years or less.

### **Winner: Kerry Mashford**

Kerry was a founding member and Chair of the panel set up to draft *BS 40101 Building performance evaluation of occupied and operational buildings*, a trailblazing standard for committee CB/401: Retrofitting Energy Efficiency Measures. BS 40101 is ground-breaking for its role in addressing net zero and climate change through the evaluation of building performance – in particular energy performance – and for providing guidance on the approaches used to evaluate building performance as well as identifying performance parameters and the expertise required of those undertaking the evaluation. This standard would not have been published without Kerry's determination, insight and collaboration with committees responsible for related standards.

### **Winner: Sudharsana Govindaswami**

Sudharsana has been recognized for her outstanding contribution to MCE/14 TC70: RIC Engines since 2019 as an expert in Grid Code Regulation, and in particular for her contribution to the revision *BS ISO 8528-6 Reciprocating internal combustion engine driven alternating current generating sets*. This standard is critical to manufacturers of synchronous generator sets and to establishing conformity with the UK's new G99 regulation but prior to Sudharsana's involvement progress had stalled. Thanks to Sudharsana's expertise, determination and ability to engage stakeholders from around the world revision is now well underway with a draft for public consultation expected in early 2023.

## Committee Management

This award recognizes exceptional contribution by those who, on the committee, serve in the role of Committee Manager.

### **Winner: Sophie Watson**

Sophie has been recognized for consistently delivering excellence in committee management over many years and in particular for her management of the drafting of *BS 9991: Fire safety in the design, management and use of residential buildings*. She has outstanding knowledge not only of BS 9991 but also of all related standards. She brings a great work ethic, professionalism, focus and a sense of humour to her committee management ensuring participation is both enjoyable and productive.

### **Winner: Stephen Read**

Stephen's commitment to the role of Committee Manager for ISO/TC 150/SC 4: Bone and joint replacements has been described as exemplary. He was commended for his extensive knowledge of the subject matter, standards and standards development, incisive reports and inclusive committee management all of which have greatly enhanced and enabled the work of the committee. He was also applauded for his impact of behalf of ISO/TC 150/SC 4 when he was invited to speak at an ASTM International and ISO joint workshop.

## **Creativity**

This award recognizes exceptional contribution to standards development through creative and/or innovative approaches.

### **Winner: Dr Victoria Hurth**

Victoria has been recognised particularly for the exceptional impact of her creativity on the development of *BS ISO 37000 – Governance of organizations. Guidance*. Her leadership stimulated fellow standards-makers to think outside of the box and come up with new ways of working and thinking which proved invaluable in bringing BS ISO 37000 to publication. Victoria also demonstrated great skill working with diverse stakeholders and participants with conflicting opinions. She brought a positive leadership style underpinned by integrity and creativity that enabled the committee to always find solutions.

## **Leadership**

This award recognizes exceptional contribution by a UK Committee Chair.

### **Winner: Patrick Michael McGuire**

Mike has been recognized with a Leadership Award for his outstanding contribution to standardization in the field of mechanical vibration and balancing for nearly 50 years. His list of achievements is long, but some of his notable successes as a leader were as Chair the national committee GME/21/5: Vibration of machines, vehicles and structures and the international committee ISO/TC 108/SC 2 Measurement and evaluation of mechanical vibration and shock as applied to machines, vehicles and structures. Mike brought patience, collaboration and insight to his leadership roles and his impact extended beyond the remit of the role thanks to his skill in supporting new members and his generosity in sharing his considerable knowledge. Mike's leadership benefitted both standards and the standards-makers with whom he worked.

### **Winner: Phil Bygate**

Phil has been an outstanding leader whose wide-ranging knowledge and experience ranging from all aspects of the manufacturing process to inspection and testing has magnified his impact. Of particular note are his leadership in the development of: *PD 5500 Specification for unfired pressure vessels*, his chairing of the European committee, CEN/TC 54 Unfired pressure vessels and his leadership in the development of *BS EN 13445 - Unfired pressure vessels*. His stewardship of in the field of pressure vessels standardization has been invaluable in growing participation and bringing new, diverse knowledge to bear on standards in this

field. Phil has also demonstrated vision and impact as a leader by being able to identify new standards needed for specialist materials and successfully leading their development.

**Winner: Simon R.G. Hall**

Simon has been involved with CPW/172: Optics and Photonics for nearly 20 years and served as Chair of the committee for several terms. As Chair he enabled participation to grow in numbers and in diversity and he maximized engagement through an agile and flexible approach to leading the committee. Simon has also been a UK leader in the development of international standards in this field including helping to draft *PD ISO/TR 16743 Optics and photonics. Wavefront sensors for characterising optical systems and optical components* and leading the international committee ISO/TC 172 Optics. His success as a leader has stemmed from his deep technical expertise, his ability to garner the support and respect of his peers, his skill when collaborating and his insights into and ability to meaningfully connect related areas of standardization.

**Winner: Sue Bolton**

Sue has been recognized with a Leadership Award in part for the force of her conviction that standards are tool for making life better for people and for bringing that conviction to how she leads standards development work as Chair of TCI/100/2: Community face coverings, TCI/66/-/1: Risks in the sleeping environment, TCI/66/-/8 Burning behaviour of textiles, and TCI/82 Textiles care labelling, dry cleaning, domestic laundering and drying. Sue's successful leadership stems from the way she is able to gain the respect of and collaborate with, encourage and engage fellow standards-makers and from her pragmatism. Sue's has excelled as a leader because these skills are underpinned by a depth and breadth of knowledge of the subject matter and her ability to hear and understand differing points of view.

**Winners: Dr Akilah Jardine and Dr Alexander Trautrim (Joint Award)**

Akilah and Alex are joint winners of Leadership Award in recognition of their extremely effective co-chairing which was invaluable in the development of *BS 25700: Organizational responses to modern slavery. Guidance*. By combining their skills and tapping into their networks and they were able to bring together and lead a well constituted group of stakeholders to successfully develop the world's first standard on Modern Slavery. They also brought to bear their own knowledge and experience to help facilitate the committee's work to create what is an insightful and comprehensive standard. Their exceptional leadership has also continued beyond publication as they have led in promotional activities to help people and businesses understand and choose effective responses to manage modern slavery.

**Nominating Body Best Practice**

This award recognizes exceptional contribution by a nominating body.

**Winner: International SOS Foundation**

International SOS Foundation is an organisation that is dedicated to improving the health, safety and security of workers around the world through research, thought leadership, training and events. They have been recognized with the Nominating Body Best Practice Award for their invaluable contribution to the development of *BS ISO 31030 Travel risk management. Guidance for organizations*. This not-for-profit foundation not only provide valuable experts and knowledge to support the development of standards, they recognized how standards and participation in their development can help them achieve their mission, and through the standards extend that positive impact far more widely. The contributions of International SOS Foundation were integral in enabling the national and international committees to develop a landmark standard providing much needed good practice for organizations and travellers.

## Representing Consumers

This award recognizes exceptional contribution by a consumer representative who has ensured the needs of consumers were recognized during the development of a standard.

### **Winner: Michelle McKenna**

Michelle has been recognized for the remarkable impact she has had in ensuring consumer needs are adequately addressed in standards as a representative of the BSI Consumer & Public Interest Network. Of particular note is the contribution Michelle made as the consumer voice on the Steering Group responsible for the development of *PAS 7055 Button and coin batteries – Safety requirements*. Michelle was proactive in collaborating with other consumer stakeholders - such as the Child Accident Prevention Trust (CAPT) – to research and better understand real consumer behaviour, needs and experiences and make sure that the PAS addressed real-life risks. Michelle's participation in the development of this PAS led to the inclusion of additional clauses providing increased protection and better information for consumers on the batteries themselves as well as on products which contain them but... she has not stopped there. Since the standard was published, Michelle has collaborated with Government, Trading Standards and charities to champion the benefits of the standard and raise public awareness to minimise the risk of further tragedies occurring.

## Representing the UK

This award recognizes exceptional contribution by a committee member when serving as the UK Delegate to an international and/or European committee.

### **Winner: Andrew Bond**

Andrew is being recognized for outstanding work representing the UK in the field of *BS EN 1997 Eurocode 7. Geotechnical Design* where he was able to use his influencing, collaboration and leadership skills to drive productive discussion and successful revision of the standards. In addition, Andrew also played a pivotal role in ensuring the revision of and successful representation of UK interests in the *BS EN 1991 Eurocode 1 – Actions on structures* standards. Eurocodes are Europe-wide standards for all aspects of the structural design and development of buildings and the influence on and contribution to these standards by standards-makers such as Andrew are critical to ensuring these standards work for the UK. The impact of Andrew's success representing the UK in this area of standardization benefitted not only the standards but also all the UK businesses which use them.

### **Winner: Andrew Foster**

Andrew has been a member of the national committee, HS/1 Occupational health and safety management for over 20 years and he represented the UK on the development and drafting of *OHSAS 18001* and its successor *ISO 45001: Occupational health and safety management*. He is highly respected for his knowledge and collaboration with others but this award is particularly to recognize his ability to maximize the impact of UK views on international standards, ensuring most UK recommendations were adopted. Andrew brought integrity and sound reasoning to proposals and recommendations garnering him the respect of global peers.

### **Winner: Brian Atkin**

For nearly 20 years Brian has been an indispensable member of FMW/1: Facilities Management whilst also serving as a proactive and valued contributor to the corresponding European and international committees, CEN/TC 348 and ISO/TC 267, since they were established. Brian's extensive subject matter and standards knowledge have been invaluable to standardization in this field and earned him recognition as an expert from European and international standards-makers. His expertise and well-reasoned and supported recommendations alongside his communication and collaboration skills enabled Brian to ensure the UK views were understood and UK recommendations were often adopted. Although Facilities Management is

still an emerging discipline it is one of significant value to the UK and so Brian's efforts are worthy of recognition.

**Winner: Chris Hendy**

Chris has been recognized for his exceptional contribution to the development of *BS EN 1993-1-5 Eurocode 3 - Design of steel structures. - Part 1-5: Plated structural elements* and *BS EN 1993-2 Eurocode 3 - Design of steel structures. - Part 2: Steel Bridges*. Chris's ability to gather UK proposals and insights and collaborate with members from across Europe enabled him to champion the UK's needs in the development of the second generation of these standards. In particular, he has made significant improvements in areas such as economy, sustainability and reliability. Eurocodes are Europe-wide standards for all aspects of the structural design and development of buildings and Chris's influence on and contribution to these standards has been critical to ensuring these standards work for the UK.

**BSI Standards Users Awards**

BSI Standards Users Awards recognize how organizations have used a voluntary standard(s) to achieve a particular outcome(s) for a specific project, product or service.<sup>1</sup> And the 2022 Winners are:

<b>Winner:</b>	<b>Outcome achieved:</b>
Emcor UK	Business performance improvement
Bank of England	Resilience
Pat-IT Ltd	Safety
Manningham Housing Association	Sustainability

**Business Performance Improvement**

This award recognizes use of a voluntary standard(s) to develop business performance improvement.

**Winner: Emcor UK**

Emcor UK, have adopted the principals of *BS EN ISO 27500:2017 The human-centred organization. Rationale and general principles* and have adopted and been certified to *BS ISO 45003:2021 Occupational health and safety management. Psychological health and safety at work. Guidelines for managing psychosocial risks*. Use of these two standards has enabled them to provide a whole person approach to fostering positive physical and mental health in the workplace. They have created an environment whereby all employees find meaning and purpose and can bring their whole selves to work, thus improving physical, psychological, psychosocial, and financial wellbeing. The standards provide the framework for what is now an enterprise approach to risk management, assurance, physical and mental wellbeing in the workplace and they underpin the fulfilment of Emcor UK's vision of "creating a better world at work."

**Resilience**

This award recognizes use of a voluntary standard(s) to increase the resilience of their business and mitigate risks.

**Winner: Bank of England**

The Bank of England has used *BS ISO/IEC 25010:2011 Systems and software engineering. Systems and*

---

<sup>1</sup> The awards do not constitute any form of certification or kitemark but simply offer a means of recognizing the benefits of using voluntary standards.



*software quality requirements and evaluation (SQuaRE). System and software quality models* to create a method for conducting business system architectural health checks. They can now more quickly identify risks and more effectively ensure appropriate levels of quality and resilience are met. Their use of the standard has played a critical role in improving their management of a system at the Bank which forms part of the UK's Critical National Infrastructure. This standard is now being built into the Bank's architecture design methods and practices across the board.

## **Safety**

This award recognizes the use of voluntary standard(s) to drive safety.

### **Winner: PAT-iT Ltd**

Through their commitment to undergoing training on the application of British Standards and their use of *BS 5266 Emergency lighting. Code of practice for the emergency lighting of premises*, the BS 5499 series on for safety signs and fire safety notices, *BS EN 50678 General procedure for verifying the effectiveness of the protective measures of electrical equipment after repair* and *BS EN 50699 Recurrent Tests of Electrical Equipment*, PAT-iT have been able to identify previously unseen or ignored risks to health and safety. Their commitment to continuous development and standards has enabled them to protect their clients from serious harm and potentially saved lives. The rigour of their standards-based approach has also enabled them to win new clients.

## **Sustainability**

This award recognizes the use of voluntary standards to enable sustainability.

### **Winner: Manningham Housing Association**

Manningham Housing Association has used *BS 76005:2017 Valuing People through Diversity and Inclusion* to ensure they can provide great customer care to over 6,000 diverse residents who live in their high-quality affordable homes across in Bradford and Keighley. Use of the standard has helped them ensure they have a better understanding of all their customers' needs which in turn enables them retain customer satisfaction ratings of 90% but also helped them to put in place additional support and programming needed during the pandemic.

## **BSI Distinguished Service Certificates**

BSI Distinguished Service Certificates are awarded to UK standards-makers in recognition of their contribution to standards development. The 2022 Distinguished Service Certificate recipients are:

Richard Hughes  
Tony Pierce  
Robert Saunders  
Jeremy Duszynski  
Shirley Lacy  
John Newbury  
Paul Sherfield  
Malcolm Horner  
Yvonne Pearman  
Peter Hirst  
Hasmita Stewart  
Colin Sutherland  
Zahed Nazir  
Melvyn Sargent

James Crask  
Ian Charters  
Hilary Estall  
Robin Gaddum  
Dave Austin  
Malcolm Cornish  
Kevin Brear  
James Stephens  
Alan Ross  
David Matthews  
Trevor Steward  
Frank Smith  
John Chambers  
Simon Courtney

Paul Mather  
Andy Foan

David Berry  
Ian Sims  
Tony Atherton  
John Bradley  
Anne Armstrong  
Alan Haigh  
Mike Thomas  
Graham Ferris  
Tony Ferrant  
Dave Frodsham

Andy McCabe  
Simon Hall  
David Gurden-Williams  
Tony Branton  
Geoff Hardwicke  
Alan Derrick  
Barry Ward  
Paul Clifton  
Martin Fry  
John Chambers  
Peter Jacobsen  
Robert Macfarlane  
Rick Cudworth

Neil Sorensen  
Martin Armstrong  
Stewart Barrie  
Walker  
Myron Maslanyj  
Stephen Colclough  
Stuart Saunders  
Rob Wheyway  
Tom Stewart  
Rebecca Money  
Kathryn Heirons  
Bob Saunders  
Carol Thomas  
Julie Fleck  
Jag Gogna

---

If you would like any additional information about the BSI Standards Awards and Distinguished Service Certificates, or any of the 2022 winners, please contact us on [standardsmakers@bsigroup.com](mailto:standardsmakers@bsigroup.com).





## IEC 1906 Awards – UK Winners 2022

Experts from all the IEC's sixty-one member countries are eligible to receive IEC 1906 awards. Created in 2004 by the IEC Executive Committee, the 1906 Award commemorates the IEC's year of foundation and honours IEC experts around the world whose work is fundamental to the IEC. The Award also recognizes exceptional and recent achievement - a project or other specific contribution - related to the activities of the IEC and which contributes in a significant way to advancing the work of the Commission. The UK received a total of sixteen awards in 2022 and they were presented to:

### **Josephine Vann**

In recognition of her constant support of and dedication to the IECQ System over many years as IECQ Expert Peer and Witness Assessor, and as Convenor of IECQ WGs and of IECO Avionics Users Forum (AUF). Her expertise in the area of Aviation is recognized globally and valued by the IEC and IECQ community. Through her extensive knowledge and her practical and professional approach, she also supports the IECQ ECMP and CAP Training Program as an IECQ Master Tutor. She is respected as a true expert and professional among her International peers and remains an asset of the IEC.

### **Steven Hayes**

In recognition for his dedicated and prudent leadership of CIS/B WG 1 dealing with the maintenance of CISPR 11, in particular for his continuous and patient consideration of all interests, his attempts to balance them and to find solutions.

### **Jeffrey Steynor**

In recognition for his contribution, as co-Project Leader In IEC TC 114/PT 62600-202, to the development and final publication of the first edition Technical Specification on the scale testing of tidal stream energy systems, a critical document for marine energy technology developers.

### **Charles Clifford**

In recognition for his contribution to standardization in the field of nanotechnology within the liaison between ISO/TC 229 and IEC TC 113, which is essential for the success of both technical committees. In the role of Project Leader, he was responsible for the development of several dual logo standards within JWG 1 and JWG 2. The most important among these are ISO/TS 21356-1 :2021, ISO/TS 23302:2021, and ISO/TS 80004-13:2017.

### **Paul Holdstock**

In recognition for his significant contributions as former Chair of IEC TC 101 and for his leadership in IEC 61340-2-3 and IEC 61340-4-4.

### **Chris Gorringe**

In recognition for his contribution, as TC 91/WG 15 Co-Convenor, to the publication of two IEEE dual logo standards: IEC 61636:2021 and IEC 61636-1 :2021.

### **Andrew Evans**

In recognition for his successful leadership in the conversion of IEC TS 62850 into IEC 61010-2-130, the first standard giving particular requirements for equipment intended to be used in educational establishments by children.

### **Roger Lovegrove**

In recognition for his long-term contribution with deep expertise in the area of electrical installations and protection against electric shock. He is Convenor of IEC TC 64/MT 12 responsible for IEC 60364-6.

### **Irma Rustemi**

In recognition for her leadership as Convenor of IEC TC 61 /MT 23 and the extensive work underway by the MT 23 to address functional safety of appliances and remote communication through public networks. In addition, Ms Rustemi participates as an expert on TC 61/MT 4 and TC 61/WG 39.

### **Cathy Hunsley**

In recognition for her leadership, as Convenor of IEC TC 56/MT 22, of a project that put together the technical matters of dependability specification that were originally contained within a document for specification in general and another for software specification, and arranged them into a single fundamental standard (IEC 60300-3-4) that constitutes one of the core dependability standards of IEC TC 56.

### **Andy D Hughes**

In recognition for his outstanding contributions in the fields of luminaires and controlgear.

### **Lawrence Barling**

In recognition for his outstanding contributions in the fields of LED light sources and lamp caps and holders.

### **Mick Maghar**

In recognition for the major contribution that he makes, through his leadership of EG 52, to the editing and drafting of standards in IEC TC 31 and its SCs. Mick is also recognized for his contribution to furthering the interests of electrotechnology standards development through his exceptional service as Secretary of IEC TC 31, a role from which he retired in March 2022.

### **Paul Norris**

In recognition for his continuous contributions over the last 30 years, his positive and constructive attitude, and his work to achieve a consensus on new editions of IEC 61008-1 and 61009-1.

### **Ian D Gibson**

In recognition for his exemplary Convenorship of IEC TC 23/SC 23A/MT 13 and dedication to the role. Over several years, Mr Gibson has played a key role in ensuring projects are delivered on time and has been instrumental in the development and maintenance of the IEC 61386 series.

### **Colin C Davidson**

In recognition for his exceptional recent organizational and technical contribution to maintenance work related to IEC 60633:2019: High-voltage direct current (HVDC) transmission - Vocabulary, IEC TR 62543:2022: High-voltage direct current (HVDC) transmission using voltage sourced converters (VSC) and IEC 62751-1 :2014/AMD2: Power losses in voltage sourced converter (VSC) for high-voltage direct current (HVDC) systems - Part 1: General requirements.

---

If you would like more information about the IEC 1906 Awards please contact the BSI International Policy team on [international.policy@bsigroup.com](mailto:international.policy@bsigroup.com) or visit the [IEC 1906 Awards web page](#).



## ISO Excellence Awards – UK Winners 2022

---

The ISO Excellence Award has been created to reward the achievements of ISO's technical experts and recognizes the contribution of individuals for recent achievements related to ISO's technical work that can be considered as a major contribution to furthering the interests of standardization and related activities. The 2022 ISO Excellence Award winners from the UK were:

### **James Castle**

In recognition of his many years of excellent and dedicated service to the development of standards in ISO TC201. In particular, his leadership of ISO 22581:2021- Surface chemical analysis — Near real-time information from the X-ray photoelectron spectroscopy survey scan — Rules for identification of, and correction for, surface contamination by carbon-containing compounds, is worthy of note. This standard is the culmination of a project conceived by him over 30 years ago and will be of great use in the automated retrieval of surface chemical information.

### **Alan Turnbull**

In recognition of his sustained excellence in convening WG2, Environmentally assisted cracking, and Project leader for ISO 7539-9 Corrosion of metals and alloys — Stress corrosion testing — Part 9: Preparation and use of pre-cracked specimens for tests under rising load or rising displacement that was published in 2021.

### **Junaid Admad**

In recognition of his exceptional contributions to the development of ISO/IEC 23092-3:2020: Information technology — Genomic information representation — Part 3: Metadata and application programming interfaces (APIs).

### **Ken McCann**

In recognition of his 3 years excellent service to ISO/IEC JTC 1/SC 29 and, in particular, his contributions to the development of ISO/IEC 23094-1:2020, Essential video coding.

### **Paolo Ribeca**

In recognition of his exceptional contributions to the development of ISO/IEC 23092-3:2020: Information technology — Genomic information representation — Part 3: Metadata and application programming interfaces (APIs).

### **Ian Byrne**

In recognition of his contributions and, in particular, his creativity in applying management system concepts to multiple organizations in the development and successful publication of the ISO 50009, Energy management systems — Guidance for implementing a common energy management system in multiple organizations.

### **David Cant**

For the recognition of the dedication and leadership in the production of ISO/TR 23173:2021 Surface chemical analysis — Electron spectroscopies — Measurement of the thickness and composition of nanoparticle coatings.

---

If you would like more information about the ISO Excellence Awards please visit the [ISO Excellence Awards web page](#).