

CE OF ENGINEERING COUNCIL TO RESIGN

The Chief Executive of the Engineering Council, Jon Prichard, recently wrote to announce that he would be stepping down from his role in early 2017 to take up the post of Chief Executive at the Institution of Chemical Engineers.

During Jon's six-year tenure, he has successfully overseen the advancement of UK professional standards and the development of individual Guidance on Risk, Whistleblowing and Security, while also ensuring that the reputation of UK-registered engineers and technicians has been enhanced and maintained among global partners.

RAdm Nigel Guild CB CEng FIET FIMarEST MIMA FEng, Chairman of the Engineering Council, thanked Jon for his tireless efforts, stating: "Jon's drive, vision and energy have transformed the Engineering Council and earned him respect across the engineering community both nationally and internationally. He has been an articulate and effective advocate for professional registration to employers, individuals and the public as a whole. "During his tenure, Jon has been



» Jon Prichard is confident he leaves the Engineering Council in 'robust shape'

responsible for exporting the UK Standard for Professional Engineering Competence to Europe, a move which will see the

framework adopted by partner countries, such as the Netherlands, to ensure global consistency in the competence of engineers and technicians.

"Over the past six years, registration numbers have levelled off following a previous state of decline over a sustained period and the number of new registrations has increased by 30 per cent. Our relationship with professional engineering institutions is now as good as it has ever been".

Jon said: "It has been a privilege to lead the Engineering Council through the challenging but exciting last six years, which have included two office moves, building relationships with our equivalent bodies in Europe and the re-alignment of the organisation around new systems, processes and organisational culture. These couldn't have been achieved without the support of a great team of trustees, staff and volunteers. I am confident that my successor will find the organisation in a healthy and robust shape."

All at the SEE wish Jon all the best in his new role.

FROM FAITHFUL STAFF TO NEW HQ - THE SEE MOVES ON

Significant things have happened during the summer and early autumn at the SEE. Council day was the 7th of September and it was then that the President, Peter Vincent made a presentation to Jill Waite, who has run the secretariat for many years and retired on 22 September.

Autumn also saw the move of the SEE offices to London, a task which needed significant work to pack up all of the office papers and other things which had accumulated over the years. This was completed before 30 September, which was the day we had to leave the Buntingford office. All went very smoothly and everything is now in place at 100 Borough High Street - the new Headquarters.

On 14 September we had our five-year Engineering Council audit. As usual this was a very friendly affair and the outcome was excellent with only a few minor areas of registration protocol that needed attention. The Engineering Council has had a number



» President Peter Vincent honours Jill Waite, left, who, on 22 September, retired from running the secretariat for many years

of staff changes this year and its audit programme was becoming a burden on capacity through crowded periods in the schedule. In order to help this situation, the SEE suggested that instead of a new five-year licence, we should take one for two-and-a-half years.

Not only would this help to even out the Engineering Council workload, but would enable it to have oversight of our activities after a suitable settling in period at our new Headquarters. They have readily agreed to this proposal.

STATISTICS

As of 30 September 2016, the total number of new, final stage registrations since 1st January this year as follows:

■ 1,668 EngTech; ■ 943 IEng; ■ 4,640 CEng; ■ 57 ICTTech

CHIEF EXECUTIVE'S PERSPECTIVE - EVENTS CALENDAR

Attendance at exhibitions is an increasingly important aspect of SEE activities. Having a booth that is manned and with information available about the SEE gives us a continuing profile at these events where there is a direct connection with the Environmental Engineering community.

Exhibitions provide the opportunity to meet, connect and build rapport with existing and potential members and to promote the benefits of professional registration. New members are increasingly being recruited at these events and this is facilitated by the ability to join via the website during an exhibition.

The SEE will be attending the following events this year and next:

■ On the 2 and 3 November this year, we will be at Advanced Engineering 2016 at the NEC. Advanced Engineering addresses the supply chain needs of: aerospace; automotive; motorsport; transport; civil engineering etc. The show floor contains 700-plus exhibiting suppliers, partners and industry bodies. Advanced Engineering hosts the largest Open Conference of its kind, providing



» New members are increasingly recruited at events, joining on the stand via the website

expert industry intelligence, the latest technology and innovations case studies and supply chain opportunities delivered by OEM programme managers and industry experts.

■ On the 14 March 2017, we will be at the EIS exhibition at Silverstone. Organised by The Engineering Integrity Society, more than 60 exhibitors will present the latest advances in measurement analysis and testing

technology in aerospace, automotive, motorsport, rail, off-highway, mechanical handling, industrial and power generation industries.

■ 23-24 May 2017 Edie Live (formerly called Sustainability Live) takes place at the NEC in Birmingham. This event gives energy, sustainability and resource professionals the opportunity to experience everything that is new in this marketplace. It includes energy management, waste management technology and resource efficiency solutions as well as water delivery and re-use, recovery and recycling. It also includes on-site energy generation, storage and demand response.

These are just some of the events covering the fields of interest of the SEE. For a full list of forthcoming events, including those where we will have a presence, keep up to date with the events page at EEOnline.



» To keep up to date with the events page at EEOnline scan the QR code or visit <http://environmentalengineering.org.uk/events/>

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Registrant ties and lapel pins

A selection of ties and lapel pins are available for registrants to purchase online

Please order online at:
<http://www.sappershop.com/index.php?cPath=126>

Ties

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Engineering Technician/ICT Technician: gold, black and red
Incorporated Engineer: blue, black and red
Chartered Engineer: green, black and red

Lapel pins

Domed steel lapel pins, 20mm x 20mm, can be purchased for **£1.99** plus postage and packing

CEng pin EngTech pin IEng pin

SEE The Society of Environmental Engineers
The Professional Body for Environmental Engineers and Technicians

MORE NEWS FROM THE ENGINEERING COUNCIL...

Case Study:

The Engineering Council has launched a case study video filmed at RAF Odiham.

It features FI Lt David Littlemore CEng MICE MAPM, who started out as a technician and progressed from IEng to CEng. The video can be viewed on the Engineering Council video portal at www.engc.org.uk/videos



Annual Report:

The Engineering Council has published its 2015 Annual Report and Financial Statements and printed copies are available on request.

They have also produced a short Annual Review summarising the highlights of 2015. Both are available to view on the website at www.engc.org.uk/annualreport



NEW MEMBERS & REGISTRANTS

Members

Ms Maria Parkhacheva	Mr Bharat Bhushan Jasingh
Mr Robert Lindsay Morris	Mr Iain Cairns
Mr Ho Cheong Leung	Mr Kenneth K Kwok
Mr Sai Man Chau	Mr Hou C Chan
Mr Yiu Fung Tse	Mr Sing Kit Wong
Mr Mark Griffin	Mr Andrei-Alexandru A Stefanica
Mr Joel Howson	Mr V.I. Sikelo
Mr Matthew Saunders	Mr S. Memon
Mr Hei Yun Wong	Mr N. Mutiso
Mr Chau Wang Ng	Mr W.H.Y. Ho Yin
Mr Ching Wan Lee	Mr C.W. Lee
Mr Wai Kit Viky Hui	Mr O Okay-Ikenegbu
Mr Tik Fung Ng	Mr D Amos
Dr Chi Kwong, Thomas Tong	Mr K.S. Tse
Miss Marie Lawson	Miss E. Vassalou

New Registrants

We are pleased to announce that the SEE has nominated four new registrants to the Engineering Council Register

Abdullah MAMUN CEng
Ifiok ETUKUDO CEng
Bharat JASINGH CEng
Mari LAWSON CEng

LATEST, NEW & UPDATED STANDARDS IN THE FIELD OF ENVIRONMENTAL TESTING

Written and compiled by Consultant David Richards Hon.FSEE, CEng, CEnv

There are a number of new standards, technical reports and specifications this month of which three are discussed below. Other new standards in this issue relate to corrosion of metals and alloys, transport packaging and construction work sustainability.

BS ISO 17743 Energy savings. Definition of a methodological framework applicable to calculation and reporting on energy savings.

The framework established by the standard applies to calculating and reporting energy savings from existing and potential measures which are intended to save energy. It is intended to be applicable to other related standards. The document addresses, in the context of energy savings: terminology, definition of the system

boundaries, principles for the determination of a baseline, principles for statistical indicator-based methods, data to be used as well as principles for reporting.

BS ISO 16063-17 Methods for the calibration of vibration and shock transducers. Primary calibration by centrifuge.

This standard sets out detailed specifications for the instrumentation and procedure to be used for the primary calibration of accelerometers using centrifuge calibration. This applies to rectilinear accelerometers with zero-frequency response, mainly of the strain gauge or piezoresistive type, and to primary standard and working transducers. It is applicable for a calibration range from 1g to 2,000g at 0 Hz with a limit of uncertainty of + or - 1 per cent of the reading. This standard cancels and replaces

ISO 5347-7:1993, which has been technically revised.

BS EN 62610-5 Mechanical structures for electrical and electronic equipment. Thermal management for cabinets in accordance with IEC 60297 and IEC 60917 series. Cooling performance evaluation for indoor cabinets.

This standard specifies a method for evaluating the cooling capacity mainly for air convection cooling of empty cabinets in accordance with IEC 60297 and IEC 60917 series. The purpose of this standard is to classify the cooling methods of empty indoor cabinets, to simplify formulae for evaluating and classifying cabinet cooling performance and to exemplify the cooling performances for representative cabinet sizes, enabling users to select the appropriate cabinet cooling systems for their applications.

Category	Standard	Description
Environmental Conditions	BS EN 15433-6	Transportation loads. Measurement and evaluation of dynamic-mechanical loads. Automatic recording systems for measuring randomly occurring shock during monitoring of transport.
Environmental Testing	BS ISO 9022-1	Optics and photonics. Environmental test methods. Definitions, extent of testing.
Acoustics	BS ISO 362-3	Measurement of noise emitted by accelerating road vehicles. Engineering method. Indoor testing M and N categories.
	ISO/PAS 20065	Acoustics. Objective method for assessing the audibility of tones in noise. Engineering method.
	IEC 61094-3	Electroacoustics. Measurement microphones. Primary method for free-field calibration of laboratory standard microphones by the reciprocity technique.
	BS EN 61260	Electroacoustics. Octave-band and fractional-octave-band filters. -2 Pattern-evaluation tests. -3 Periodic tests.
Corrosion	PD ISO/TR 16203	Corrosion of metals and alloys. Guidelines for the selection of methods for particle-free erosion corrosion testing in flowing liquids.
Shock and Vibration	ISO 13355	Packaging. Complete, filled transport packages and unit loads. Vertical random vibration test.
Electro-Magnetic	IEC 61000-4	Electromagnetic compatibility (EMC). Testing and measurement techniques. -9 Impulse magnetic field immunity test. -10 Damped oscillatory magnetic field immunity test. -31 AC mains ports broadband conducted disturbance immunity test.
	IEC 61340-2-3	Electrostatics. Methods of test for determining the resistance and resistivity of solid materials used to avoid electrostatic charge accumulation.
Packaging	BS ISO 4118	Air cargo. Non-certified lower deck containers. Design and testing.
	PD ISO/TS 19709-3	Transport packaging. Small load container systems. Bond Stackable System (BSS).
Sustainability	BS EN ISO/IEC 13273-2	Energy efficiency and renewable energy sources. Common international terminology. Renewable energy sources.
	ISO/TR 16822	Building environment design. List of test procedures for heating, ventilating, air-conditioning and domestic hot water equipment related to energy efficiency.
	CEN/TR 16928	Guidance for the implementation of environmental aspects in product standards and system standards in wastewater engineering.
	BS ISO 16957	Measurement of apparent thermal conductivity of wet porous building materials by a periodic method.
Calibration	BS ISO 16063-17	Methods for the calibration of vibration and shock transducers. Primary calibration by centrifuge.
	BS EN 62129-1	Calibration of wavelength/optical frequency measurement instruments. Optical spectrum analysers.
NDT	BS EN ISO 18081	Non-destructive testing. Acoustic emission testing (AT). Leak detection by means of acoustic emission. (no current standard is superseded).
Miscellaneous	IEC/TR 62970	Guidance on how to conduct round robin tests for household and similar electrical appliances.
	BS EN 13160	Leak detection systems. -2 Requirements and test/assessment methods for pressure and vacuum systems. -3 Requirements and test/assessment methods for liquid systems for tanks. -4 Requirements and test/assessment methods for sensor based leak detection systems. -5 Requirements and test/assessment methods for in-tank gauge systems and pressurised pipework systems. -6 Sensors in monitoring wells. -7 Requirements and test/assessment methods for interstitial spaces, leak detection linings and leak detection jackets.
New Work Items In order to give members the opportunity to take part in the setting of standards, the following are recently announced new standards work, along with the relevant BSI committee (in brackets).	BS 1133-8	Packaging code. Guidance on wooden boxes, cases and crates (PKW/0).
	EN 1793	Road traffic noise reducing devices. Test method for determining the acoustic performance. -2 Intrinsic characteristics of airborne sound insulation under diffuse sound field conditions (B/509/6). -6 Intrinsic characteristics. In situ values of airborne sound insulation under direct sound field conditions (B/509/6).
	ISO 2100	Aerospace elements of electrical and optical connection test methods. (ACE/6).
	ISO 11200	Acoustics. Noise emitted by machinery and equipment. Guidelines for the use of basic standards for the determination of emission sound pressure levels at a work station and at other specified positions (EH/1).
	EN ISO 11130	Corrosion of metals and alloys. Alternate immersion test in salt solution (STI/33).
	ISO 16836	Measurement method for acoustic emission signals in concrete (WEE/46).
	EN ISO 16151	Corrosion of metals and alloys. Accelerated cyclic tests with exposure to acidified salt spray, "dry" and "wet" conditions (ISE/NFE/8).
	ISO 16750-5	Road vehicles. Environmental conditions and testing for electrical and electronic equipment. Chemical loads (AUE/32).
	ISO 24917	Space systems. General test requirements for launch vehicles (ACE/68).
EN 62153-4-9	Metallic communication cable test methods. Electromagnetic compatibility (EMC). Coupling attenuation of screened balanced cables, triaxial method (EPL/46).	

- **Atomic Weapons Establishment plc**
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- **BAE SYSTEMS Land Systems (Munitions & Ordnance)**
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- **Bruel & Kjaer UK**
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