

Agreement signed with the Institute of Explosives Engineers

The Society of Environmental Engineers has entered into an agreement with the Institute of Explosives Engineers (IExpE) whereby SEE takes IExpE members through to the Engineering Council register as CEng, IEng or EngTech.

This is the first arrangement, blessed by Engineering Council, where the collaborating institution members no longer need to become joint



Deal: SEE president Patrick McHugh (left) and the IExpE's Malcolm Ingry sign the agreement

members of SEE.

The day of 5 October was wild and wet when represen-

tatives of SEE, IExpE and the Engineering Council gathered at the Tower of London

to sign the agreement.

The signing was preceded by a champagne lunch and short speeches by Patrick McHugh (SEE President), Malcolm Ingry (IExpE President) and Andrew Ramsay (Chief Executive of Engineering Council).

They all expressed delight and satisfaction with the collaborative agreement which will be of benefit to all concerned.

Engineering Council and Engineering UK

Name changes abound this autumn. The Engineering and Technology Board (ETB) has become EngineeringUK and Engineering Council (UK) has changed its name to Engineering Council.

The reasoning behind



these changes is that Engineering Council attracts

registrants from all over the world and, being international, therefore loses the UK.

EngineeringUK on the other hand is primarily concerned with promoting engineering in this country and hence gains the UK.



Lapel badge

To mark the 50th anniversary of The Society all members received an attractive lapel badge. This was distributed with the diary for 2010 and was the brainchild of Hon. Treasurer, Professor Mervyn de Calcina-Goff. The design is a distinctive emblem and beautifully showcases our coat of arms. We shall be using it on stationery and certificates.

Next AGM: 18 March

The next Annual General Meeting of the Society will be held on Thursday 18 March 2010 at the Manor House in Buntingford following a Council meeting. Full details and nomination forms for election to Council will be forwarded to members in due course.

Members are asked to consider help managing the Society by offering themselves as candidates for Council in the 2010 elections.

Please contact the SEE Secretariat if you propose to volunteer by emailing: office@environmental.org.uk. Alternatively you may call: 01763 271209.



In style: Senior SEE members and guests celebrate 50 years

50th anniversary lunch

On 23 September a group of members and guests met for lunch in the splendid surroundings of Painter Stainers Hall in the City of London to celebrate the 50th anniversary of the Society.

The event was hosted by Hon. Treasurer, Professor

Mervyn de Calcina-Goff, who is a Liveryman of the Worshipful Company of Painter Stainers.

Our President, Patrick McHugh, congratulated the Society on the last 50 years and hoped that it would flourish far into the future.



Winners of the CEEES Photographic Competition

The winner of the CEEES photographic competition is the photograph titled "Ci5000 interior".

Photos were judged on content and technical quality. The judges considered the winning photo, from Atlas Material Testing Technology, "colourful and interesting."

The second prize was for the photograph "MTT Emma QUA system" and was judged "intriguing and technically reasonable".

The third prize was for the photograph "Fisheye Static Florida" as "impressive in scale".

The photos were judged

Second: A fresnel solar concentrator for accelerated outdoor weathering testing (right)

for technical quality by Professor Mervyn L de Calcina-Goff and Professor Raymond P Clark, both qualified photography experts.

The environmental content was judged by a CEEES representative from each national society.



The winner: The image (left) shows a rotating three-tier specimen rack of an Atlas Weather-Ometer with samples prepared for accelerated laboratory weathering testing. The image was taken at the Atlas weathering testing laboratory. Sandra Schneider.

Vogelsbergstrasse 22, Atlas Material Testing Technology, Linsengericht-Altenhaslau, Hesse, 63589, Germany



Third: The image (left) shows racks for the direct outdoor weathering procedure in a test field. The photo was taken in Florida

Hospital acquired infection

The Chief Executive and the Honorary Treasurer have spent some 30 years in medical research.

One of their research areas was the prevention of hospital acquired infections. Recently they were asked to produce a major review of the topic for publication in the prestigious Interface Focus themed Journal of the Royal Society. Their paper is available from the SEE.



A good line-up: Delegates at the CEEES meeting in Oporto

CEEES' 52nd meeting

The autumn meeting of CEEES was hosted by SOPSAR, the Portuguese society. The meeting was held on 24 and 25 September 2009 at Oporto in Portugal.

The 52nd CEEES meeting included meetings of the three CEEES technical advisory boards as well as the CEEES congress.

The meeting was held alongside the 1st SOPSAR Congress – Innovative Environmental Testing: A Supporting Tool for Sustainable Renewable Energies.

Following the congress a dinner at the Calem port winery was hosted by SOPSAR to celebrate the 25th anniversary of CEEES.

First SOPSAR congress held at Oporto

The 1st SOPSAR Congress – Innovative Environmental Testing: A Supporting Tool for Sustainable Renewable Energies (picture below), was held the day after the CEEES meeting.

As well as thought provoking presentations the conference allowed for a number of panel discussions during the day. The congress was held in the old customs house on the waterfront at Oporto.



Latest standards in the field of environmental testing

By David Richards
Hon. FSEE, CEng, CEnv
Lockheed Martin UK INSYS Ltd

ENVIRONMENTAL TESTING

BS EN ISO 527-5: Plastics. Determination of tensile properties. Test conditions for unidirectional fibre-reinforced plastic composites.

BS EN ISO 22088: Plastics. -5. Constant tensile deformation method. -6. Determination of resistance to environmental stress cracking. Slow strain rate method.

BS EN 60068-2: Environmental testing. Tests.

-14. Test N Change of temperature.

-27. Test Ea Shock

ACOUSTICS

BS EN ISO 3382: Acoustics. Measurement of room acoustic parameters.

-1. Performance space.

-2. Reverberation time in ordinary rooms.

BS EN ISO 9612: Acoustics. Determination of occupational noise

exposure. Engineering method.

BS EN 15461: Railway applications. Noise emissions. Characterisation of the dynamic properties of track sections for pass by noise measurements.

CONTAMINATION

ISO 8760: Workplace air. Determination of the mass concentration of carbon monoxide. Method using detector tubes for short term sampling with direct indication.

ISO 8761: Workplace air. Determination of the mass concentration of nitrogen dioxide. Method using detector tubes for short term sampling with direct indication.

EN 60079: Explosive atmospheres

-0. Equipment. General requirements.

-10-2. Classification of areas. Combustible dust atmospheres.

CLIMATIC

BS 1339-2 (CD-ROM):

Humidity. Humidity calculation and tables. User guide.

BS EN 12977-3: Thermal solar systems and components. Custom build systems. Performance test methods for solar water heater stores.

IEC/TS 62610-1: Mechanical structures for electronic equipment. Thermal management for cabinets in accordance with IEC 60297 and 60917.

Design guide. Interface dimension and provision for thermo-electrical cooling systems (Peltier effect).

SHOCK AND VIBRATION

BS ISO 20283-2: Mechanical vibration. Measurement of vibration on ships. Measurement of structural vibration.

BS ISO 22266: Mechanical vibration. Torsional

vibration of rotating machinery.

ELECTRO-MAGNETIC

BS EN 6100:

Electromagnetic compatibility.

-3-2. Limits. Limits for harmonic current emissions.

-4-8. Testing and measurement techniques. Power frequency magnetic field immunity test.

-4-16. Testing and measurement techniques.

Test for immunity to conducted, common mode disturbances in the frequency range 0Hz to 150kHz.

-5-8. Installation and mitigation guidelines.

HEMP protection methods for the distributed infrastructure.

BS EN 62577: Evaluation of human exposure to electromagnetic fields from a stand alone broadcast transmitter (30MHz-40GHz).

New registrants with the Society for the Environment as CEnv

We are pleased to report that there is an excellent number of applications being received for Chartered Environmentalist via the Grandparent Route. The following are the latest members to have gained CEnv.

Mr. Mei Shing Sin – CEnv, MSEE

Mr Mark Lewis – CEnv, MSEE

Mr. Ho Pand Malcolm Leung – CEnv, MSEE

Mr. Kevin Brian Thomas – CEnv, MSEE

Mr. Wat Siu Cheung – CEnv, MSEE

Mr Kam Yin Wong – CEnv, MSEE

Mr. Chak Fai Lau – CEnv, MSEE

Mrs. Tansy Forrest-Takano – CEnv, MSEE

Mr. Man Chun Eric Cheung – CEnv, MSEE

Ms. Jan Louise Boyle – CEnv, MSEE

Mr. Russell Kirby – CEnv, MSEE

Mr. Po Chiu David Chan – CEnv, MSEE

Mr. Li Siu Wah Li – CEnv, MSEE

Mr. Kar Sing Kwong – CEnv, MSEE

Miss. Bethan Jane Gittins – CEnv,

MSEE

Ms. Fazilette Khan – CEnv, MSEE

Mr. Chi Pui Wong – CEnv, MSEE

Mr. Chi Sing Chung – CEnv, MSEE

Mr. John Welford – CEnv, MSEE

Ms. Hiu Man Wong – CEnv, MSEE

Mr. Ping Kin Chan – CEnv, MSEE

Mr. Ka Yu Holmes Wong – CEnv, MSEE

Mr. Tak Man Ngo – CEnv, MSEE

Mr. Martin Andrew Walker – CEnv, MSEE

Mr. Wing Tat Kwok – CEnv, MSEE

Mr. Pak Chung Yip – CEnv, MSEE

Mr. Chun On Chan – CEnv, MSEE

Mr. Gee Yee Lui – CEnv, MSEE

Mr. Kit Shing Chan – CEnv, MSEE

Mr. Kwong Choi Chan – CEnv, MSEE

Mr. Yuen Cheong Tang – CEnv, MSEE

Mr. Chi Hung Au – CEnv, MSEE

Mr. Wing On Wong – CEnv, MSEE

Mr. Hon Keung Ng – CEnv, MSEE

Mr. Kwok Wai Sit – CEnv, MSEE

Mr. Wai Hung Ng – CEnv, MSEE

Mr. Kai Kwong Tony Kam – CEnv, MSEE

Mr. Kam Hung Liu – CEnv, MSEE

Mr. Wai Hung Bosco Chan – CEnv,

MSEE

Mr. Chi Kin Ken Lam – CEnv, MSEE

Mr. Gail Loic Forest – CEnv, MSEE

Mr. Stuart Jagger – CEnv, MSEE

Mr. Kwok Keung Cheung – CEnv, MSEE

Mr. Yue Fung Tam – CEnv, MSEE

Mr. Gabor Martell – CEnv, CEng,

MSEE

Mr. Yuen Sing Derek Leung – CEnv,

MSEE

New registrants and members

We are pleased to announce that SEE Members Mr Christopher MacDonald-Bradley and Dr Paul Emeka Eke have gained CEng.

Mr Enrique Perez has gained IEng.

Joint Member with SaRS Mr Andrew Grant Smith has gained CEng.

We also welcome the following new members:

HONORARY MEMBER

Mr Alexander Redfern Humphreys – Atkins, Swansea. UK

CORPORATE MEMBERS

Mr Chi Man Chan – Chun Wo Construction & Eng.Co. Ltd. HK

Mr Cheuk Fai Chan – Dragages (HK)

Mr Wing Tat Kwok – Concrete Repair Tech. Ltd. HK

Mr Siu Wah Li – Hong Kong

Mr Chi Yung Wong – Leighton Contractors (Asia) Ltd.

Mr Mei Shing Sin – Chun Wo Construction & Eng.Co.Ltd. HK

Mr Ka Wai Kevin Cheng – HK

Mr Robert Ernest Cowell –

Environmental Protection, UK

Mr Gael Loic Forest – Parsons Brinckerhoff, UAE

Mr Kam Leung Low – Hong Kong

Mr Kar Sing Kwong – Fai Tak

Fire Services Co. Ltd. HK

Mr Kit Shing Chan –

University of Macau, China

Mr Kwong Choi Chan –

Global Energy Management Ltd., HK

Mr Kwok Keung Cheung –

China State Construction Eng.(HK)Ltd

Mrs Katarzyna Wiak-Plac –

Wardell - Armstrong, Sheffield, UK

Mr Chi Hung Au – China

State Construction Eng (HK) Ltd

Mr Kam Tai Law – Kinform

Timber Co. Ltd, HK

Mr Gee Yee Peter Lui –

Chuangs Consortium Int. Ltd., HK

Mr Tak Man Ngo – Art Smart

Construction Eng Ltd., HK

Mr Yuen Cheong Tang – Ray

on Construction Co. Ltd., HK

Mr Mario Forcina – Bi Va.

Italia, Italy

Ms. Jane Louise Boyle –

Buro Happold, Glasgow

Mr Ping Kin Chan – Hong

Kong Housing Society

Mr Man Chun Eric Cheung –

Tinkle Construction Eng.

Co.Ltd.

Mrs Tansy Forrest-Takano –

Capita Symonds Ltd.

Miss Bethan Jane Gittins –

Environment Agency, UK.

Ms Fazilette Khan – Maritime

work.

Mr Chi Pui Wong – New

Concepts Eng. Devlp. Ltd.

HK

Ms. Angel Hui Man Wong –

Hong Kong Productivity

Council

Mr Wing On Wong – Ove

Arup & Partners HK Ltd.

Mr Yuen Sing Derek Leung –

Paul Y Engineering, HK

Mr Wai Hung Ng – Keung

Kee Construction Ltd., HK

Mr Hon Keung Ng – EC

Harris (HK) Ltd.

Mr Kwok Wai Sit – Keung

Kee Construction Ltd., HK

Mr Kai Kwong Kam – Garwin

Engineering Ltd., HK

Mr Kin Wing Tam – Dragages

HK Ltd.

Mr Michael Patrick Naughton

– Michael Naughton

Consulting Surveyor &

Engineer, Ireland

Mr Hak Lung Wallace Pou –

Strength Engineering Co,

HK

Mr Chau Kam Jimmy Fung –

Strength Engineering Co, HK

Mr Chi Sing Chung – HK

Mr Stuart Jagger – Parsons

Brinckerhoff Ltd., Bristol

Mr Wai Hung Bosco Chan –

Hallmark Cards (UK) Ltd.,

Mr Chi Kin Ken Lam – Wan

Chung Construction Co Ltd.,

HK

Mr John Welford – RSA

Group PLC, Manchester

Mr Chi On Tam – Widex

Technology Dev. Ltd., HK

Mr Yue Fung Tam – Wan

Chung Construction Co.Ltd.

HK

Mr Cheung Wai Lung – Ming

Chun Construction Co. Ltd.

HK

Mr Roger Jonathan Cooper –

Capita Symonds, West

Sussex.

Mr Chun Kit Cheng – DuctPro

Engineering (HK) Ltd.

Mr Hon Kin So – Chun Wo

Construction & Eng Ltd.

HK

MEMBER

Mr King Loi Cheung – Hong

Kong Certification Services

Ltd.

JOINT MEMBER

Mr Andrew Grant Smith – IJS

Consultants, Glasgow

SEE industry affiliates – 2009

Aker Solutions – www.akersolutions.com

Atomic Weapons Establishment plc – www.awe.co.uk

BAE Systems Land Systems (Munitions & Ordnance) Ltd. – www.baesystems.com

Brownell Ltd. – www.brownell.co.uk

Bruel & Kjaer UK Ltd. – www.bksv.co.uk

Data Physics (UK) Ltd. – www.dataphysics.com

DOP Solutions Ltd. – www.dopsolutions.com

e2v technologies Ltd. – www.e2v.com

Endevco UK Ltd. – www.endevco.com

Environmental & Technical Services Ltd. – www.ets.co.uk

H.M. Government Communications Centre –

www.hmgcc.gov.uk

Kharafi National – www.kharafinational.com

LMS UK Ltd. – www.lmsintl.com

m+p international (UK) Ltd. – www.mpihome.com

Martin Baker Aircraft Co. Ltd. – www.martin-baker.co.uk

MBDA UK Ltd. – www.mbda.net

Michell Instruments Ltd. – www.michell.com

Pira International – www.pira-testing.com

QinetiQ – www.QinetiQ.com

Rotronic Instruments (UK) Ltd. – www.rotrotron.co.uk

Rutherford Appleton Laboratory – www.ssd.rl.ac.uk

Spectral Dynamics – www.spectraldynamics.co.uk

Techni Measure – www.techni-measure.co.uk

Thermotron Industries – www.thermotron.com

TRaC Global Limited – www.tracglobal.com

TRW Conekt – www.conekt.net

TÜV Product Service Ltd. – www.tuvps.co.uk

Unitemp Ltd. – www.unitemp.co.uk

Vaisala Ltd. – www.vaisala.com

Weiss Gallenkamp Ltd. – www.gallenkamp.co.uk