

Faculty of Engineering



Engineering Professors' Council (EPC) Annual Congress

Monday 26 – Wednesday 28 March 2007

Weetwood Hall Conference Centre and Hotel,
Otley Road, Leeds, LS16 5PS



www.engineering.leeds.ac.uk/epccongress2007
www.epc.ac.uk

Themes

- Admissions
- Industry and Engineering Education Collaboration
- Sustainability & Engineering Practices

Sponsored by



Supported by the Royal Aeronautical Society and the Energy Institute

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Venue

The Engineering Professors' Council Annual Congress will be hosted in 2007 by the University of Leeds, Faculty of Engineering. The venue for the Congress will be Weetwood Hall Conference Centre and Hotel, Leeds, a wholly owned subsidiary of the University of Leeds.

Weetwood Hall is ideally situated 15 minutes north of the centre of Leeds in wooded grounds at the junction of the Otley Road and the outer ring road. It is just 15 minutes from Leeds/Bradford Airport and a short distance from the A1, M1, M606, M621 and M62 motorways.

Aims of the Congress

The Engineering Professors' Council exists to promote excellence in engineering in higher education. It provides a unique forum for senior academics responsible for engineering teaching and research in higher education.

The EPC also exists to support engineering academics to appreciate and influence the political and technical environment in which their University is working.

We welcome your participation in our activities and hope you are able to join us at the 2007 congress.

Who Should Attend

The congress is open to all members and senior academics responsible for engineering and technology teaching and research in higher education. It is also open to all those who have an interest in engineering in higher education. Speakers from a range of organisations in education, industry and government will address the delegates on matters of current interest.

Accommodation

Weetwood Hall Conference Centre and Hotel offers first class hotel facilities, ample parking and a business centre with secretarial support, fax, photocopying and email facility.

The University has negotiated the following special rates for delegates at Weetwood Hall Hotel and can book bed and breakfast accommodation on behalf of delegates if required. The rates for an overnight en-suite accommodation including full English breakfast are;

Monday 26 / Tuesday 27 March 2007

Single occupancy
£86.50*

Double occupancy
£96.50*

*per room, per night

Directions for the Hotel will be sent out with the Joining Instructions and further details regarding the venue can be viewed online at www.weetwood.co.uk

Registration and Welcome Buffet

Registration and a welcome buffet will be held on the evening of Monday 26th March 18:00 – 21:00 at Weetwood Hall Hotel. Delegates who are planning to arrive after this time will be able to register on Tuesday morning 08:30-09:00.

Annual Congress Dinner

All delegates and speakers are invited to the congress dinner which will take place on the evening of Tuesday 27th March. The venue for the dinner will be the **Royal Armouries**, Leeds - Britain's oldest national museum, and one of the oldest museums in the world.

The Royal Armouries Museum itself was re-designed in 1996 from the inside out. The ceiling heights of the new building were designed to accommodate the longest staff weapons in the collections, displayed vertically, and the principal lift to move the largest object. In addition to the five galleries which house 5,000 objects in the permanent displays, the museum includes the Hall of Steel, a giant staircase whose walls are decorated with trophy displays composed of 2,500 objects reminiscent of the historical trophy displays erected by the Tower Armouries from the 17th century. Further details can be viewed online at www.royalarmouries.org

The dinner will be held in the **War Gallery** commencing with a reception and an interpretation on '**The Agincourt Archer**' - A veteran bowman of Henry V's army recounts the campaign against the French.

The dinner will be an extremely relaxing end to day one of the congress and partners are more than welcome to join us for an evening of fine dining and entertainment. Please indicate on the registration form if you and your partner wish to attend the dinner. Coach transportation to and from the venue will be provided.

Congress Secretariat

Vicky Jordan, EPC 2007 Annual Congress
CPD Unit, Faculty of Engineering,
Room 209, c/o Civil Engineering,
University of Leeds, LEEDS, LS2 9JT

T: +44 (0)113 343 8104 F: +44 (0)113 343 2511
E: cpd@engineering.leeds.ac.uk
W: www.engineering.leeds.ac.uk/epccongress2007

Congress Convenor

Professor M Pourkashanian
Head of School
School of Process
Environmental and Materials Engineering
Faculty of Engineering
University of Leeds
LEEDS, LS2 9JT

Congress Programme

MONDAY 26 March 2007

18.00 – 21.00 Registration & Buffet

TUESDAY 27 March 2007

08.30 – 09.00 Registration & Coffee

09.00 – 09.15 EPC President: *Professor Tony Unsworth*

Formal Opening: *Professor John Fisher, Deputy Vice-Chancellor, University of Leeds*

09.15 – 10.00 **Critical Issues Facing Engineering Education and Research**

Professor Richard Williams, Vice President, The Royal Academy of Engineering

10.00 – 10.15 Discussion

10.15 – 10.45 Coffee

Admissions Session

10.45 – 11.30 **The National Engineering Programme and its London Engineering Project Pilot**

Professor Matthew Harrison, The Royal Academy of Engineering

11.30 – 11.45 Discussion

11.45 – 12.15 **The Changes in the School Sciences and Mathematics Curriculum**

Martin Ball, QCA

12.15 – 12.45 **The New Specialist Engineering Diploma**

John Harris, SEMTA

12.45 – 13.30 Lunch

Industry and Engineering Education Collaboration

13.30 – 14.15 **Collaborating to Build Innovative Generations**

Dr Nina Skorupska, Director of Technology Services, RWE npower

14.15 – 14.30 Discussion

14.30 – 15.00 **Industry Engagement in Engineering Education**

Professor John Dickens, Engineering Centre for Excellence in Teaching and Learning

15.00 – 15.30 Tea

15.30 – 16.00 **Industry-University Partnerships for Engineering Research and Development**

Professor Ann Dowling, University of Cambridge

16.00 – 16.30 Panel Session

16.30 – 17.30 **EPC Annual General Meeting**

18.30 Coach departs Weetwood Hall Hotel to Royal Armouries Museum, Leeds

19.00 for 20.00 **Drinks reception and Congress Dinner**

23.00 Coach departs for Weetwood Hall Hotel

WEDNESDAY 28 March 2007

Sustainability & Engineering Practices Overview

09.00 – 09.40 **Sustainable Development and its Implication for Engineering Education**

Professor Roland Clift, University of Surrey

09.40 – 10.10 **Major Challenges to Engineering Education for Sustainable Development**

Heidi Parkes, Engineers of the 21st Century, Forum for the Future

10.10 – 10.40 **Nuclear Engineering and Safety**

Andy Elsdon, Nexia Solutions Ltd

10.40 – 10.55 Discussion

10.55 – 11.15 Coffee

11.15 – 11.25 **University Based Registration – Achieving Chartered Engineer Status for Academics**

Peter Collins, Institution of Mechanical Engineers

11.25 – 11.35 **Engineering for Tomorrow – Developments in Engineering Education, Research and Knowledge Transfer for the Process Sectors**

Dr David Brown, Institution of Chemical Engineers

11.35 – 11.45 **The Institutes Contribution to Improving and Advancing Engineering Education within UK Universities**

Michelle Richmond, Institution of Engineering and Technology

11.45 – 11.55 **The Institutes Contribution to Improving and Advancing Engineering Education within UK Universities**

Dr Peter Davies, Institute of Materials, Minerals and Mining

11.55 – 12.30 Panel Session

12.30 – 12.45 EPC President-elect: *Professor Ray Allen*

Conclusion and Closing Remarks

12.45 – 13.45 Lunch

Administrative Details

Congress Fee

The 2007 Annual Congress fee includes the delegate pack, refreshments, lunches, welcome buffet and the congress dinner. Additional tickets for the dinner will be charged extra.

Congress Fee

before 16 February 2007: £195

after 16 February 2007: £245

Terms and conditions of registration

Payment should accompany your registration form and can be made by Debit/Credit Card or Cheque made payable to the 'University of Leeds'. Unfortunately we are unable to accept payment by American Express. Fees must be paid in full no later than 10 working days before the congress commences. Failure to pay may result in attendance being refused. Registrations are accepted on the understanding that the printed programme is given in good faith but may have to be re-scheduled or the speakers changed for reasons outside our control. The University of Leeds and EPC reserve the right to cancel or postpone the congress, in which case fees will be refunded in full. In the event of cancellation, the University will not be held liable for delegates travel or accommodation expenses. Where a delegate wishes to cancel a registration, written cancellations received up to 10 working days before the course will be subject to an administrative charge of 20% of the total remittance. After this date the full fee is chargeable and no refunds will be made, this also applies for non-attendance but copies of the congress documents will be sent. Substitutions may be made at any time.

Engineering Professors' Council (EPC) Annual Congress Monday 26 – Wednesday 28 March 2007 REGISTRATION FORM

Please complete this form in block capitals and return together with your remittance.

Title: _____ Initials: _____ Surname: _____ First name: _____

Position held: _____

Organisation: _____

Address: _____

Postcode: _____

Telephone: _____ Fax: _____ Email: _____

Special dietary requirements: _____

CONGRESS FEE (includes delegate pack, refreshments, lunches, welcome buffet and congress dinner)

- | | |
|---|---------------------------|
| <input type="checkbox"/> Fee BEFORE 16 February 2007 | £195 |
| <input type="checkbox"/> Fee AFTER 16 February 2007 | £245 |
| <input type="checkbox"/> I would like to attend the Registration Buffet on Monday 26 March 2007 | included in fees |
| <input type="checkbox"/> I would like to attend the Congress Dinner on Tuesday 27 March 2007 | included in fees |
| <input type="checkbox"/> My partner would like to attend the Congress Dinner on Tuesday 27 March 2007 | £48 |
| | Total fees £ _____ |

ACCOMMODATION (Bed and breakfast at Weetwood Hall Hotel)

Please book the following bed and breakfast accommodation, which I understand will be paid to the University of Leeds.

Monday 26 March	Single occupancy @ £86.50	<input type="checkbox"/>	Double occupancy @ £96.50	<input type="checkbox"/>
Tuesday 27 March	Single occupancy @ £86.50	<input type="checkbox"/>	Double occupancy @ £96.50	<input type="checkbox"/>

Total accommodation £ _____

Smoking accommodation YES/NO

Total payable to the University of Leeds £ _____

PAYMENT DETAILS (please tick box indicating payment method)

- I enclose a cheque for £ _____ made payable to the "University of Leeds"
* Please note that cheques should accompany your registration form and should be made payable in Pounds Sterling and drawn on a UK bank.
- I wish to pay by Debit/Credit Card - please insert details below

Cardholder's name: _____ Card No. _____

Card Type (Visa, Mastercard etc): _____ Issue No. (Switch/Delta only) _____

Valid From: _____ Expiry Date: _____ Security No (last 3 digits on reverse of card): _____

In sending this registration I agree to the Terms and Conditions as stated

Please send completed registration form to:

Vicky Jordan, EPC Congress Secretariat, CPD Unit, Faculty of Engineering,
c/o Civil Engineering, Room 209,
University of Leeds, LEEDS, LS2 9JT, UK
Tel: + 44 (0)113 343 8104
Fax: + 44 (0)113 343 2511
E: cpd@engineering.leeds.ac.uk
W: www.engineering.leeds.ac.uk/epccongress2007

**REGISTER BEFORE 16 FEBRUARY FOR
A 25% DISCOUNT CONGRESS FEE**