

Engineering Professors' Council

The voice of engineering in UK higher education



<http://epc.ac.uk>



@epc1994





Who are we ?

- An enduring network of engineers working in UK higher education (more than 50 years, 21 in current form)
- 81 institutional members (comprising over 6,500 academic staff) plus Royal Academy of Engineering
- High profile patrons: Sir Peter Williams, Lord Alec Broers, Sir John Parker, Professor Dame Julia King





Stronger together

- We represent **all** engineering disciplines from **all** parts of the sector and so, provide a strong, respected and coherent voice to Government on matters of national policy in a discipline that can appear to be fragmented to policy-makers...
- ...but, recognising the importance of strong disciplinary networks and interests, there are also sectoral groups for:
 - Aerospace (AAU)
 - Chemical (HCEUK)
 - Civil (ACED)
 - Electrical and electronic (PHEE)
 - Manufacturing (COMEH)
 - Mechanical (PHOMME)





Not just for professors

- Our subscription levels are organised in bands, depending on the number of staff reported by the university in the HESA engineering cost centres.
- If your department/school/faculty has paid its annual subscription then **all** members of the department, school or faculty of engineering enjoy the benefits of membership, including academic, technical and administrative staff...
- ...but to be on the national executive committee, you do have to be a professor, head of department, dean, associate dean or equivalent



National executive committee

- There are 7 places on the national executive committee for elected members. Elected members serve a term of 3 years and at least two positions fall vacant annually. Rules for nomination can be found here:

<http://epc.ac.uk/our-committee/>

- There are also 3 sub committees through which the work of the Council is carried out and volunteers from all members are welcomed.
 - Research, innovation and knowledge transfer
 - Recruitment and admissions
 - Engineering education and employability



Benefits of membership

- Access to Members' Portal (and time and cost saving on production and analysis of data for departmental planning purposes)
- Regular (at least monthly) digest of information - **infoDigest**
- Discounted registration at EPC-organised events
- Representation on national policy groups
- Annual student prize
- Professional network
- A network of mentors for future HE engineering leaders



Website

A gateway to “all things engineering in HE” with links to key partners such as the EPSRC, HEFCE, RAEng, Engineering Council etc



Engineering conversion course pilot scheme – Invitation to bid for funding

HEFCE is inviting applications for new funding to support the development of conversion courses in engineering (England only). This pilot scheme aims to help the ...

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Contact us

 EPSRC open calls

- [EPSRC-JSPS Core-to-Core Collaboration](#)



Members' Portal

This is password-protected.
The password is issued to your university rep on receipt of your membership fee



- Home
- About us
- Events and projects
- Publications
- Members' portal
- Committee
- Sectoral groups
- Site map

Members' portal



Access to the resources of the Engineering Professors' Council is password-protected. Remember, if you are a member, so are you! For more information, see [a member](#) and have your own access to the Members' database (see [Members' database](#)).

Members may access the database relating to the range of rankings, the REF, and planning, focusing specific

(reported by JACS Code or Cost Centre) and allowing local comparison with averages. These include student numbers and applications trends, staff numbers, and research income.

Members' portal

[Datasets and analysis](#)

[Event downloads](#)

[Forum](#)

[Opportunities to influence](#)

[Responses to consultations](#)

[Toolkit](#)

[Useful policy papers and other publications](#)

members password-protected work is password-protected. If you are a member, so are you! For more information, see [a member](#) and have your own access to the Members' database (see [Members' database](#)).

able form, university-wide, city-wide, discipline-wide, or Group income, research income, and other

briefing: "Ingenious resilience"

Membership database

[Access membership database](#)

To amend or update your contact details, please log on at this link.

[Help for navigating the database](#)

Follow us





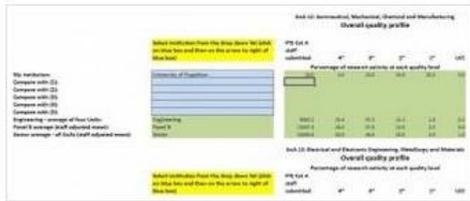
Members' Portal/Datasets and analysis

Extensive data and analysis on HE engineering finance, student numbers, NSS, DLHE etc, plus a range of useful policy papers and publications

An example of the data we routinely provide is that of the REF.

At 00.01 on the day of publication, we provided members with the ability to see the results for their own institution and provided a simple way of comparing their performance with up to 5 other institutions

Protected: Research Excellence Framework 2014



To see how your institution has fared in each of the engineering Units of Assessment, click on the picture and download the Excel workbook (100kB). You will need Excel version 10. If you receive the message "This workbook contains links to other data sources, do you wish to update?", click on "Don't update".

Here, you will be able to compare the outcome for your institution with up to 5 other institutions for both the overall profile and the sub profiles (Outputs, Impact and Environment), as well as seeing the summary results for Panel B, which encompassed the engineering Units of Assessment and for all disciplines. The contextual data (number of staff submitted as a proportion of number of eligible staff) is included. Scroll down and click on the dropdown boxes below for summaries of the results for each of the engineering Units of Assessment, including each institution's Research Fortnight quality index.

Four of the EPC's Executive Committee were REF 2014 main panellists. Two of them, Professors Alison Hodge and Stephanie Haywood, provided an insight into the work of the panel in their workshop session at [Congress 2015](#). You can access their presentation [here](#).

- ▶ Average profiles and rankings
- ▶ UoA 12 Aeronautical, Mechanical, Chemical and Manufacturing Engineering
- ▶ UoA 13 Electrical and Electronic Engineering, Metallurgy and Materials
- ▶ UoA 14 Civil and Construction Engineering
- ▶ UoA 15 General Engineering

Available datasets and analysis

- Datasets-home
- Academic staff numbers and profiling
- Applications
- Completion
- Degree classification
- Destination of leavers from higher education (DLHE) survey
- Expenditure by academic cost centre
- Gender benchmarking
- National Student Survey





Members' Portal/Datasets and analysis

We provide analysis of the annual HESA datasets on staff and student numbers for each of the engineering cost centres/JACS codes.



Try these benchmarking tools. They provide the opportunity to compare the proportion of female staff and students in your institution with those of up to five other institutions which you may select, together with the national and mission group data. You may do this for each of the engineering cost centres. Particularly useful if you are applying for [Athena-SWAN](#) recognition. Years 2007/08 to 2013/14 are available (2013/14 being the latest available).

Download the Excel workbook (NB: you need to be using Excel 10), click "no" if asked to update the links and save to your computer.

The staff workbook contains data for "professors", all staff who are "not a professor" and "all staff".

Staff: reports outcome for professors, all academic staff who are "not a professor" and "all staff". (Please note that HESA operates a strategy designed to prevent the disclosure of personal information about any individual. This strategy involves rounding all counts of students or staff to the nearest multiple of 5. Thus, if there are 1 or 2 female professors in a department, for example, they will have been recorded as 0).

Students

Undergraduate (first degree)		851KB
Postgraduate (taught)		657KB
Postgraduate (research)		625KB

Data sources and notes

Staff

2007/08-2012/13: [HEIDI/Staff full-person equivalent/Staff \(excluding atypical\)/Activity \(detailed\)/Academic Professional/Terms of](#)

Academic staff numbers and profiling
Applications
Completion
Degree classification
Destination of leavers from higher education (DLHE) survey
Expenditure by academic cost centre
Gender benchmarking
National Student Survey
Research Assessment Exercise 2008
Research Excellence Framework 2014



Trend data by domicile (UK, EU and non EU) and gender are routinely provided... The comparison of your own position with regard to gender mix with that of other institutions and against the national trend can be useful for Athena-Swan accreditation submissions



Members' Portal/Toolkit

We've also pulled together a range of resources into 3 "toolkits":

Accreditation and quality assurance

Curriculum development and teaching innovation

Leadership and professional development

Recruitment and admissions

Protected: Curriculum development and teaching innovation toolkit



Here, you'll find just a sample of the range of resources available to support curriculum development and innovation in teaching engineering programmes, with links to some of the engineering education research centres. This is an area which is developing constantly so please do [contribute links and resources](#) to keep it up to date.

[Join the debate.](#)

▶ Engineering Education centres and groups

▶ Quality assurance and enhancement

▶ H E Academy

▶ HELM

▶ HE STEM programme

▶ SEFI

Tell your students about the

Membership database

[Access membership database](#)

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Latest infoDigests

24 Sep 2015

27 Jul 2015

23 Jun 2015

29 May 2015

Datasets and analysis

Datasets and analysis: Benchmarking applications trends, graduate employment

- Support for curriculum development and teaching innovation
- Support for recruitment and admissions (in the devolved nations)
- Support for leadership and professional development
- These rely on input from members to keep it up to date so send us or post ideas and links you have found useful



Members' Portal/Opportunities to influence

- We rely on your input to ensure we are truly representing your views
- We will therefore canvass members via quick polls and questionnaires for input to consultations, projects and other elements of our work.
- We post details of open consultations here:
<http://epc.ac.uk/opportunities-to-influence/>
- We also post our submitted consultation documents here:
<http://epc.ac.uk/responses-to-consultations/>



Some recent work

*“Employer engagement in higher education is also a matter for the engineering sector itself and I applaud the initiative shown by the engineering profession, in particular through the work of Education4Engineering and the **Engineering Professors’ Council**. Both Education4Engineering and the Engineering Professors’ Council have brought engineering employers and universities to work together in response to the **Perkins Review of Engineering Skills...**”*

HE Minister **Jo Johnson**, recent Parliamentary Questions response, 2015



Some recent work

- We continue to work with UCAS on making it easier for applicants to find good information about postgraduate study in engineering...
- ...and worked very closely with HEFCE in injecting £1.5M of pilot funding into the development of postgraduate conversion courses in engineering
- Submitted evidence to the Science and Technology Committee Inquiry into the Science Budget
- Our report with the Campaign for Science and Engineering on the contribution of EU funding to UK science and engineering research
- Our position on the proposals for TEF: our Learning Excellence Framework
- Our work with the National Centre for Universities and Business on “Engineering Hub”



Keeping up to date

You can keep up to date with what we're doing by:

- Reading infoDigest
- Checking the website – where you can also post your thoughts and questions and respond to articles and access the Members' Portal
- Coming to our Annual General Meeting/Congress
- Coming to our annual Recruitment and Admissions Forum
- Following us on Twitter and LinkedIn





In summary – we're active on behalf of engineering in UK higher education

- **Authoritative:** our evidence and views are referenced extensively in the outcome of Government consultations and our views pro-actively sought.
- **Collaborative:** we work with all the major engineering bodies and the broader funding and regulatory bodies. This means we have the best chance of making our message heard in a way that is consistent and impactful...and you get more “bang for your buck”.
- **Thought leaders:** we carry out and commission independent research to provide an evidence base for policy development.





In summary – we're active on behalf of engineering in UK higher education

- **Influential:** we are invited regularly to nominate members to participate on curriculum review panels, provide evidence at consultations etc. Members of our Committee have gone on to lead the professional bodies and other institutions.
- **Value for money:** on average, the annual membership subscription works out at less than £20 per full time equivalent permanent member of academic staff, per year. And we can save you time by providing access to evidence bases, information and other tools to help you in some of the administrative aspects of your job.
- **Engineers:** above all, we're engineers, working for engineering and creating the engineers of tomorrow.





Upcoming events

Annual General Meeting
6 April 2016
London

Congress 2016
5/6 September 2016
Hull

