



EPC Congress 2019



THE PROGRAMME

Monday 13th May

- 16:30** Walking tour of Bloomsbury
Dr Matthew Ingleby, Queen Mary University of London
The Portico
- 18:00** Pre-congress drinks reception and registration
South Cloisters

Tuesday 14th May

- 09:00** Registration: Tea, coffee
Engineering Foyer
- 10:00** **Welcome: Official Congress Opening**
Professor Sarah Spurgeon OBE, President, Engineering Professors' Council and Head of Department of Electronic and Electrical Engineering, UCL
G06 Sir Ambrose Fleming Lecture Theatre
- 10:10** **Keynote: Teachers: The Key to Unlocking the STEM Supply Chain**
Baroness Brown of Cambridge, Chair of STEM Learning, STEM Learning Ltd
G06 Sir Ambrose Fleming Lecture Theatre
- 11:00** **Keynote: Shifting Sand: Putting Research on Stable Ground**
David Sweeney, Executive Chair, Research England
G06 Sir Ambrose Fleming Lecture Theatre



- 11:40** Tea, coffee and refreshments
Engineering Foyer
- 12:00** **Plenary 1: Protective Security Challenges and Security-Minded Engineering**
UK Government Security Advisor
G06 Sir Ambrose Fleming Lecture Theatre
- 12:45** **Recognising Engineers: Review of the Engineering Council Registration Structure**
Katy Turff, Head of Professional Standards, Engineering Council
G06 Sir Ambrose Fleming Lecture Theatre
- 13:00** Lunch
Engineering Foyer
- 14:00** Parallel sessions:
Panel 1: Accreditation – Supporting Change in Engineering Education?
Chris Atkin, Chairman, Engineering Council
Anne-Marie Jolly, Responsible for the WG accreditation, SEFI
Chair: Dr Georgina Harris, Chair, EPC Recruitment and Admissions Committee, Open University
G06 Sir Ambrose Fleming Lecture Theatre
- Panel 2: Apprenticeships – Emerging From the Hype**
Tom McEwan, Policy Connect
Bob Tricklebank, Dyson Institute
Franziska von Blumenthal, Policy & Research Manager, Engineering Construction Industry Training Board (ECITB)
Chair: Professor Mike Sutcliffe, Chair Elect of EPC Engineering Education & Employability Skills Committee
G08 Sir David Davies Lecture Theatre
- 15:00** Tea, coffee and refreshments
Engineering Foyer
- 15:30** **Panel 3: Sailing in the Winds of Change – How Engineering HE Should Respond to Government Policies**
Nick Hillman, Director, Higher Education Policy Institute (HEPI)
Professor Elanor Huntington, Dean, Australian National University, College of Engineering and Computer Science
Debbie McVitty, Editor, Wonkhe
Dr Helen Ewles, Senior Policy Advisor - Research and Innovation, Royal Academy of Engineering
Chair: Johnny Rich, Chief Executive, Engineering Professors' Council
G06 Sir Ambrose Fleming Lecture Theatre



17:00 Parallel sessions:
EPC Annual General Meeting
Chair: Professor Sarah Spurgeon OBE, President, Engineering Professors' Council
G08 Sir David Davies Lecture Theatre

Book signing, drinks reception and public lecture registration
Lord Willetts, former Minister for Universities and Science
Engineering Foyer

18:00 **Public lecture: 'A University Education: Engineering Changes'**
Lord Willetts, former Minister for Universities and Science
Chair: Nick Hillman, Director, Higher Education Policy Institute (HEPI)
G06 Sir Ambrose Fleming Lecture Theatre

19:30 **Congress dinner**
Award of the Incorporation of the Hammermen of Glasgow Student Prize
Professor Gordon Masterton, Deacon, The Incorporation of Hammermen of Glasgow
Evening entertainment
Dr Steve Cross, Comedian, Troublemaker & Nerd Celebrity
Host: Professor John Mitchell, EPC Congress Convener, UCL
MacMillan Hall, Senate House

Wednesday 15th May

09:00 Registration: Tea, coffee
Engineering Foyer

09:30 **Plenary 2: How can world class research have more impact on policy?**
Iain Mansfield, Contributing Editor, Wonkhe and former Civil Servant responsible for TEF
G06 Sir Ambrose Fleming Lecture Theatre

10:15 **Panel 4: AI Disruption in the Engineering Sector**
Dr Heiko Struebing, PwC, Manager, Artificial Intelligence
Professor Anna Scaife, Co-Director Policy@Manchester, University of Manchester
Chair: Professor Carsten Maple, Immediate Past Chair, EPC Sectoral Group: The Council of Professors and Heads of Computing (CPHC), University of Warwick
G06 Sir Ambrose Fleming Lecture Theatre

11:15 Coffee break
Engineering Foyer

11:30 **Panel 5: Leading Change in Engineering Education – New Model Approaches**
Dr Lisa Brodie, Head of Department, Engineering Design and Mathematics, University of the West of England
Professor Gill Cooke, Head of Teaching, School of Engineering, University of Warwick



Christopher Wooster, Projective Ltd (former UCL IEP Student)
Dr Neil Cooke, Deputy Director of Teaching and Learning Centre, University of Birmingham
Dr Graham Herries, Director of Digital Technologies, Engineering Excellence Group, Laing O'Rourke
Chair: Dr Peter Bonfield, Vice-Chancellor and President of the University of Westminster and Deputy President of the IET.
G06 Sir Ambrose Fleming Lecture Theatre

12:45 Closing Remarks

Colin Turner, President Elect, Engineering Professors' Council and Head of School for Engineering and Professor of Engineering Education, Ulster University
G06 Sir Ambrose Fleming Lecture Theatre

13:00 Lunch

Engineering Foyer

Event Twitter: #EPCCongress19

Event App: <https://eventee.co/event/72272>

Event WiFi network: UCLGuest

Event WiFi password: EPC2019

