

New Approaches in Practice Conference Programme

Monday 18th November, 2019
Riverside Room, The IET, Savoy Place, London, WC2R 0BL

9:15 Arrival and coffee

9:45 Welcome

Dr Peter Bonfield, President IET and Vice Chancellor, University of Westminster
@peter_bonfield

9:55 Keynote: 'New Approaches: The Story so far'

Prof John Mitchell, Vice Dean Education, UCL Engineering, Co-Director, Centre for Engineering Education, and Chair of the New Approaches to Engineering Higher Education Steering Group *@prof_j_mitchell*

10.15 The IET Skills & Demand in Industry Survey Launch

Stephanie Baxter, IET Education & Innovation Lead

10:45 Coffee and refreshments

11:05 Case Studies Panel 1: Diversity and Interdisciplinarity

Chair: Prof Catherine Hobbs, Associate Dean Research and Enterprise *@hobbs_catherine*

- 'Creating an integrated engineering curriculum for part-time distance learners', The Open University: Dr Alec Goodyear, Senior Lecturer in Engineering Education
- 'A new studio-based MEng degree programme integrating mechanical, electronic and software skills', University of Bath: Dr Elies Dekoninck, Senior Lecturer, Department of Mechanical Engineering
- 'Digital Innovation Boot-Camp', University of Birmingham: Dr Manu Sasidharan, Research Fellow, School of Engineering *@LifeAsManu*
- 'Creativity in Interdisciplinary Designed Learning: Building a Learning Community for Tomorrow', WMG University of Warwick: Graeme Knowles, Principal Teaching Fellow
- 'A "Core for All" interdisciplinary engineering science curriculum', University of Warwick: Professor Gill Cooke, Head of Teaching, School of Engineering *@drgillcooke*

12:30 Lunch and posters

13:30 Case Studies Panel 2: Industry engagement and Workplace experience

Chair: Prof Mike Sutcliffe, Chair of the Engineering Education & Employability Skills Committee

- ‘Foundation Degree in Electrical Power Engineering: work-based learning’, Aston University: Lee Jenkins, Senior Teaching Fellow and Programme Director
- ‘Built Environment Exchange (beX)’, Edinburgh Napier University: Prof Robert Hairstans, Professor, School of Engineering and the Built Environment *@rhairstans @beX_global*
- ‘Forging new links with the Irish and UK precision engineering industries’, Limerick Institute of Technology: Maria Kyne, Dean of Faculty of ASET
- ‘Industrial Automation and Industry 4.0 Teaching’, University of Sheffield: Dr Payam Soulatiantork, University Teacher in Industrial Automation, ACSE Department *@soulatiantork*
- ‘Civil Engineering 4 Real (CE4R): co-curricular learning for undergraduate 2012-2019’, University of Strathclyde: Dr Mike Murray, Teaching Fellow in Construction Management
- ‘Work based learning for degree apprentices’, University of Warwick: Rinkal Desai, Discipline Group Lead and Senior Teaching Fellow *@RinkalDesai*

14:55 **Case Studies Panel 3: Creativity and Project work**

Chair: Johnny Rich, Chief Executive, Engineering Professors’ Council *@JohnnySRich*

- ‘Embedding project-based learning and entrepreneurship in engineering education’, University of Exeter: Dr Voicu Ion Sucală, Senior Lecturer in Engineering and Entrepreneurship
- ‘PBL in Applied Electrical and Electronic Engineering Design’, University of Nottingham: Dr Steve Greedy, Associate Professor, Faculty of Engineering
- ‘Integrated Design Project Suite: Industry-ready creative engineers through whole-programme interdisciplinary engineering skill progression’, University of Birmingham: Dr Neil Cooke, Senior Lecturer and Deputy Director of the School of Engineering Teaching and Learning Centre *@NeilJCooke*
- ‘Professional Engineering Applications and Practices: Using Mentors to Learn How to Analyse an Engineering Business and Develop Reflective Practice’, Brunel University: Petra Gratton, Lecturer, Mechanical and Aerospace Engineering *@PetraGratton*
- ‘Strengthening technical thinking through writing’, Queen Mary University of London: Dr Tijana Timotijevic, Senior Lecturer in Electromagnetics and Bioelectromagnetics
- ‘Engagement in International Design-and-Build Competitions’, University of Warwick: Dr Ian Tuersley, Associate Professor, Warwick Manufacturing Group *@iantuersley*

16.20 Thank you and close
Prof John Mitchell

16:30 Drinks reception