

**ACED conference 3-4 November 2016**  
**Halifax Hall, University of Sheffield**  
**Programme**

**Thursday November 3<sup>rd</sup>**

09:00 Registration

09:45 **Welcome and Introduction**

Dr Rachel Horn, ACED Chair

Prof Stephen Beck, Head of Multidisciplinary Engineering Education, Faculty of Engineering, University of Sheffield

10:00 **Integrating creativity & open-ended projects in Civil Engineering Programmes**

**Chair: Scott Arthur, Herriot Watt University**

*Growing a Design Culture*

Alastair McDonald, Director of Design Education, Engineering and the Environment, University of Southampton

*Challenge of setting up an integrated design programme*

Justin Lunn, University of Leeds

*Running the EWB Challenge in Interdisciplinary Teams*

Dr Ourania Tsioulou, University of Brighton

11:20 Coffee

11:45 **Protective security and embedding security mindedness into the curriculum**

**Chair: Rachel Horn, University of Sheffield**

*Highlighting recent Engineering Council guidance and UKSPEC requirements for security and ideas for integrating into Engineering programmes*

12:45 Lunch

13:45 **Effective learning through group activities**

**Chair: Neil Tsang, Coventry University**

*Getting behind creativity through lego serious play*

Dr Beverley Gibbs, University of Sheffield

*Using WebPA to enhance engagement and assess group work*

Paul Hulbert & Jon Carr, University of Sheffield

*Multi-disciplinary projects - assessing groups by giving individual responsibilities*

Dr Paul McMahon, University of Bolton

15:10 Tea

15:30 **Technology for teaching - opportunities and challenges**

**Chair: Robert Eadie, Ulster University**

*Introducing BeIMCraft to enthuse prospective engineers*

Mark McKane, Ulster University

*Blended learning using social media*

Dr Hamid Eslimy-Isfahany, University of Brighton

- 16.30      **JBM and ICE AQP Update**  
*Update and discussion*  
Dr Rachel Horn
- 17:00      ACED AGM
- 17:30      Close
- 19:30      Conference Dinner, Halifax Hall

**Friday November 4<sup>th</sup>**

- 09:00      **Integrating design, research & open-ended laboratories in Engineering Programmes**  
**Chair: Mark Davison, Nottingham Trent University**  
*'Design of Sustainable Engineering Systems' team design projects at Newcastle*  
Dr Charlotte Paterson, Newcastle University  
*Vertically Integrated Projects*  
Prof Stephen Marshall, University of Strathclyde  
*A multi-disciplinary approach to integrating design in engineering*  
Emanuela Tilley, Director of the Integrated Engineering Programme, UCL  
*Creative learning through laboratories and skills classes*  
Andrew Garrard & Peter Mylon, University of Sheffield Multi-disciplinary Engineering Education
- 11:00      Coffee
- 11:30      **The future of Civil Engineering and implications for Universities**  
**Chair: Alan Bloodworth, University of Warwick**  
*How will AI and big data affect Civil Engineering & what should we be doing about it*  
Jim Johnson, Arup Leeds  
*Preparing future engineers to make morally justifiable decisions*  
Prof Elena Rodriguez Falcon - Mechanical Engineering University of Sheffield  
*Introducing the ICE Academic in Residence*  
Prof Ian Guymer, University of Warwick
- 13:00      Closing comments
- 13.10      Lunch
- 14.00      Optional visit to the Diamond - Multidisciplinary Engineering Education Laboratories at Sheffield