

Leeds City Region Hub of the Royal Academy of Engineering: Research Day

Wednesday 30 January 2019

School of Civil Engineering: Civil Lecture Theatre A

PROGRAMME

Theme: Engineering our Future

- 12:30 - 13:30 *Arrival, registration and buffet lunch, posters (Civil Engineering foyer)*
- 13:30 - 13:40 Welcome by **Professor Hai-Sui Yu**
Deputy Vice-Chancellor, Internationalisation
- 13:40 - 13:55 ***Institution of Civil Engineers***
Rachel Skinner, UK Head of Development, ICE
- 13:55 - 14:15 ***Connecting cities – high speed rail engineering***
Professor Peter Woodward, Chair in High Speed Railway Engineering
- 14:15 - 14:35 ***Water resilience - an introduction to Yorkshire Water's resilience framework***
David J Owen, Yorkshire Water and Chair, Industrial Advisory Committee
- 14:35 - 14:55 ***Smart motorways***
David Pilsworth, Associate Director, Jacobs
- 14:55 - 15:15 ***Air pollution and health of society***
Professor Alison Tomlin, School of Chemical and Process Engineering
- 15:15 - 15:35 *Tea and posters*
- 15:35 - 15:55 ***Developing infrastructure robotics***
Dr Raul Fuentes, Associate Professor in Infrastructure Engineering and Pro-Dean for Internationalisation
- 15:55 - 16:15 ***Cementing the civil infrastructure***
Dr Susan Bernal, University Academic Fellow/EPSRC Early Career Fellow, School of Civil Engineering
- 16:15 - 16:35 ***Engineering biological scaffolds for musculoskeletal repair***
Dr Anthony Herbert, Lecturer in Medical and Biological Engineering, School of Mechanical Engineering
- 16:35 - 16:55 ***Data-driven engineering in energy***
Dr Petros Aristidou, Lecturer in Smart Energy Systems, School of Electronic and Electrical Engineering
- 16:55 - 17:15 ***Automation of reactors for rapid process development***
Dr Richard Bourne, Associate Professor, School of Chemical and Process Engineering
- 17:15 - 17:45 *Tea and posters, to include sixth form students*
- 18:00 - 18:15 RAEng research opportunities. Representative from RAE office, London
- 18:15 - 19:00 Main talk: ***Halley VI – life in the freezer***
Michael Wright, Regional Director, AECOM, St. Albans
- 19.00 *Close*