Association of Civil Engineering Departments

Dr. Kondal Kandadi

Pro Vice Chancellor (Academic)

Welcomes ACED 2018 to University of Bolton

#ACED2018

@BoltonUni

University of Bolton

Teaching Intensive Research Informed

Association of Civil Engineering Departments

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Dr. Paul McMahon, CEng FICE FHEA
Chair of ACED 2017/18
Academic Coordinator – Recruitment & Retention
School of Engineering, University of Bolton
p.mcmahon@bolton.ac.uk
#ACED2018
@UoBCivilEng

Mobiles OFF / SILENT Please
Facilities at end of Corridor
No Scheduled Fire Drills

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Day 1 - Thursday 8th November 2018

09.00 *Registration and tea/coffee/pastries*. Main Reception & Room F2-16, Senate House

09.45 *Welcome to the University of Bolton, Room D2-014/016, Senate House*
Dr Kondal Kandadi, Pro Vice-Chancellor (Academic), University of Bolton

09.55 *Welcome to the ACED Conference* – Dr Paul McMahon, University of Bolton and Chair of ACED

***Session 1* – Creativity and Addressing Employer Needs**
Chair, Dr Paul McMahon, University of Bolton

10.00 – 10.20 *A Structured Approach to the Creative Design Process for Civil Engineering Students* – Mike Bather, University of Liverpool

10.20 – 10.40 *Project Based Learning to Prepare Graduates for Industry* - Nick Russell, Thomasons

10.40 – 11.00 *Contractor-Led Learning, Constructionarium: Contractor, Academic and Student Perspectives* - Dr David Richardson, University of Leeds

11.00 *Discussion*

11.15 – 11.35 *COFFEE / TEA BREAK* in Room F2-16, Senate House

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Day 1 - Thursday 8th November 2018 (Cont'd)

***Session 2 – Academic Engagement and* Student Support**

Chair, Dr Scott Arthur, Herriot Watt University

11.35 - 12.00 *JBM Update* - Nick Russell, Thomasons and Chair of JBM

12.00 – 12.35 *Supporting students as part of early intervention and engagement model; the challenges* - Dr Emily McIntosh, Director of Student Life, University of Bolton: Award Winning "LEAP Ahead" Scheme, supported by 2nd Year Civil Engineering Student Society President, Lindsay Taylor

12.35 - 12.50 *Work-Based Learning; Developing Academics and Students - Opportunities for Undergraduate Programmes* – Dr Paul McMahon, University of Bolton

12.50 *Discussion*

13.00 – 14.00 **LUNCH** – Buffet Style in Room F2-16, Senate House

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Day 1 - Thursday 8th November 2018 (Cont'd)

Session 3 – Graduate Skills and Engagement with Technology

Chair, Dr Alan Bloodworth, University of Warwick

14:00 – 14:30 *Engagement of Students through Reality Capture* - Chris Gibbons and Nathan Savoury, Leica Geosytems Limited

14.30 - 15.10 *Applying Technology – In Industry and Academia : Interactive Workshop*
Embedding practical skills into the curriculum

15.10 *Report Back from Sub-Groups - Discussion*

15:25 - 15:45 *COFFEE / TEA BREAK* in Room F2-16, Senate House

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Session 4 – Practical Aspects of Delivering Apprenticeships
Chair, Dr Paul McCombie, University of Bath

15.45 - 16:05 *Report from Chair of JBM Apprenticeships Sub-Committee*, Prof Mukesh Limbachiya, Kingston University

16.05 - 16.25 *University Experiences in Developing Apprenticeship Programmes*; Dr Neil Tsang, Coventry University supported by Dr Paul McMahon, University of Bolton

16.25 *Discussion*

16.40 **ACED AGM (Aim to Finish at 17.30)**
17.35 Brief Tour of NCME Building (see some of our Racing Cars – let Paul McMahon know if required)

19.00 for 19.30 **CONFERENCE DINNER**
Lancaster Suite, Bolton Town Hall, Victoria Square, Bolton BL1 1RU
(Room Closes 11pm, Licensed Bar until 10pm; includes Motivational Speaker Ken Heathcote)

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Day 2 - Friday 9th November 2018

***Session 5* – Ethical and Sustainable Skills**

Chair, Dr Neil Tsang, Coventry University

09.10 – 09.40 *Embedding Sustainability and Ethical Construction in HE curriculum* – Prof Roger Venables, Former Chief Executive, CEEQUAL Ltd

09.40 – 10.00 *Being the best in rail infrastructure delivery: Everyone Strategy* - Abigail Kiernan, Project Manager, Network Rail

10.00 *Discussion*

10.15 – 10.40 *COFFEE / TEA BREAK* in Room F2-16, Senate House

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Day 2 - Friday 9th November 2018 (Cont'd)

Session 6 – Maths and Science for Civil Engineers: Engaging Students Creatively
Chair, Dr Andrew Sleigh, University of Leeds

10.40 – 11.00 *Building up a Head of STEAM in the Maths Foundation Year!* - Dr Brian Williamson, Department of Mathematics, School of Engineering, University of Bolton

11.00 – 11.40 *Maths: What, Why and How to teach with a diverse mathematical entry standard* - Dr. Esther Norton, Anglia Ruskin

11.40 – 12.10 *Stimulating creativity by dealing with conflicts and contradictions (Triz)* - Prof Danny Morton, Head of School of Engineering, University of Bolton

12.10 *Discussion*

12.35 *Conference Close*, Dr Paul McMahon, University of Bolton

12.45/13.00 **LUNCH** - Olympus Fish & Chip Restaurant with Piano accompaniment (adjacent to Railway and Bus Interchange, Bolton Town Centre)