PhD Newsletter, School of Engineering (February 2015)

PhD newsletter is to report PhD student activities and achievements, which cover

- Thesis submissions and PhD completions,
- Journal paper publications,
- Conference presentations,
- Awards,
- Societal engagements,
- Anything you consider of importance to other colleagues

Please report those items to Jack Carter-Hallam (jch@liv.ac.uk).

Thesis submissions and PhD completions:

Thomas Boegelein (Supervisors: Tatlock and Jones) passed his PhD Viva with minor corrections on 10th February. Thesis was entitled ‘The cladding of turbine components by selective laser melting of ODS alloy powders’

Conference presentations:

1. Zou, Y., Jones, S “Major Risks in Bridge Projects and A Review of BIM-based Risk Management” at When Social Science Meets Lean and BIM, University of Liverpool

New PhD Starters (February 2015):

1. Suyi Fan - Characterisation and risk of disproportionate collapse of cable supported structures – Ryan Judge

Seminars:

Professor David Thompson from Mississippi state University will hold the seminar ‘Vortices: Local Detection of an Inherently Global Feature’ an abstract is attached. The seminar will take place at 4.00pm on Monday 2nd March in the Masson Bibby Common room.

Advance fourth year students project presentations, 10 undergraduate students will be presenting the work they have completed over the course of their project. The talks will take place on the 19th March in the Hele-Shaw and Walker lecture theatres. Confirmation of the location, times and subject areas will be confirmed shortly. If you have any questions, please contact Dr Kate Black or Dr Matt Murphy. If you attend at least 5 of the talks you will be awarded 1 credits to count towards your seminar attendance.

Updated seminar list please also find attached the most up to date list for the Wednesday research seminars.

Possible job opportunity:

Researchers in Schools (RIS), recruits, trains and places researchers from all subject backgrounds to teach in non-selective state schools. Although applications are open to all researchers who are completing or have completed their doctorate, those who have worked on fields in Maths, Physics and Engineering are eligible for a starting salary of up to £45,000. Salary uplifts are also available for those able to teach other shortage subjects including Chemistry, Modern Languages and Computing.

Following a successful pilot, RIS is now recruiting exceptional PhD graduates and researchers for its bespoke 2015-16 teacher training programme. This programme is designed to ensure that researchers’ subject knowledge and considerable experience of higher education is maximised in a number of unique ways:

- Time built in to the programme for researchers to maintain an academic profile.
• All trainees in the pilot programme became Honorary Research Associates at King’s College London and have used this time to write articles and attend conferences.

• The opportunity to become a Research Leader in Education – a unique qualification.

• This qualification recognises the work researchers will complete as part of the training programme in various fields of education research. In particular trainees are encouraged to link up with universities to promote existing widening participation activities in line with OFFA’s recommendations.

• A competitive scholarship salary and the possibility of business sponsorship

All RIS trainees will receive a scholarship salary and will not have to contribute to tuition fees. Researchers in shortage subjects will receive a further uplift.

If you have any questions please contact Dr Chris Wilson, a director of the initiative, email: chris.wilson@researchersinschools.org or 0207 921 4545.

Ongoing PhD Projects
(1) Savio Babu - Multi-disciplinary analysis of cavity flows – George Barakos
(2) Neale Davies - LES of non-newtonian fluid flows – Tim Short
(3) Anastasis Hadjierakleous - Ultra High Performance Fibre Reinforced Cementless Precast Concrete Products – Alan Boyle
(4) Stephanie Herodotou - Atomic layer eposition on doped ZnO for electronic and optoelectronic devices – Richard Potter
(5) Michael Jones - Rotorcraft pilot couplings - tools and techniques for alleviation and detection - Michael Jump
(6) Ian Lancaster - Influence of polymer modification on the fatigue life of asphalt mixtures - Hussain Al-Khalid
(7) Siti Sheikh Md.Fadzullah - The Impact Response of Composite Structures – Wesley Cantwell
(9) Lingyi Ye - Ultrashort laser interactions with materials – Geoffrey Dearden
(10) Jin Zhou - Modelling the blast resistance of composite materials for aerospace applications – Zhongwei Guan
(11) Taher Mahmood Ahmed Ahmed - Asphalt Fatigue Failure Analysis and Modelling: Experimental Studies and Theoretical Formulation – Hussain Al-Khalid
(12) Saleh Alzahrani - Risk management & construction – Abdel Boussabaine
(13) Ian Ashton - Optical systems and feedback control in selective laser melting – Christopher Sutcliffe
(14) Alia Ruzanna Aziz - Ultra lightweight composite truss structures for advanced sandwich design – Zhongwei Guan
(15) Liam Comerford - Modelling of environmental loads and reliability assessment of civil infrastructure – Michael Beer