PhD Newsletter, School of Engineering (March 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:
Ioannis Mitseas (Supervisors: Beer, Patelli, Mottershead and Kougiontzoglou) passed his PhD viva with minor corrections on 23rd March. Thesis was entitled ‘Efficient numerical methods for uncertainty qualifications in engineering’

New PhD Starters (March 2015)
(1) Guzin Sen - Sensorially enriched passenger experience and evaluation using virtual design simulation – Bahar Sener-Pedgley
(2) Sevcan Yardim Sener - User requirements elicitation and application to improve driver wellbeing through virtual design and simulation – Owain Pedgley

Journal papers:

Young Researchers Conference
Matthew Kidd synopsis for his PhD is going to be published in the conference proceedings at the Young Researchers Conference at the Institution of Structural Engineers in London. The synopsis is attached to this email.

Conference presentations:

Upcoming Seminars
Please see list below of upcoming Wednesday seminars for the month of April:

8th April Rob Poole - Complex flows of complex fluids.
22nd April Paolo Paoletti - Walking the line: mixing biophysics, mechanics and control theory.
29th April Mike Jump and Paolo Paoletti - Introducing the Centre for Autonomous Systems Technology.

University Poster Day
Congratulations to Ali Albayome & Andrew Alvin who both came second in their respective categories. Ali was second in the category for best poster in the faculty of Science and Engineering. Andrew came second in the category for Liverpool guild of student’s prize for the most innovative poster.

For a full list of winners please visit: [http://news.liv.ac.uk/2015/03/27/poster-day-2015-winners-announced/](http://news.liv.ac.uk/2015/03/27/poster-day-2015-winners-announced/).

We wish the best of luck to those students taking part in University Poster Day Online between the 20th April – 9th May.

**Possible Teaching Opportunity**

The Department of Continuing Education delivers courses to the wider community of Liverpool and surroundings. These courses are indeed open to all, those that are studying for credits but also those that are studying for the simple pleasure of learning. Students are from very diverse background, different age and different motivations. Lectures are usually given in the evening during academic term and each course can consist of 20 hours contact time with 8-10 meetings in total, but can also be shorter sessions of 10 hours or less.

Courses are currently offered in a variety of areas ranging from social sciences to English literature, History of Art, Business studies, etc... Courses in the domain of Sciences are only a few and are currently mostly related to Physics and Environmental Sciences. The current list of courses that will be delivered next year is:

- Introduction to Oceanography
- Introduction to Astronomy
- Introduction to Classical Mechanics
- Introduction to Quantum Mechanics
- The joy of Mathematics
- Natural Hazards
- Understanding Geology
- 100 years of General relativity: The brilliance of Albert Einstein

The Department is trying to expand these science courses. If you are willing to develop a new course that is appealing to a non-specialist general audience or if you think you can develop a course for next year, please contact Pascal Salaun (salaun@liv.ac.uk). These courses/lectures can be given by permanent academic staff, postdoc and/or PhD students. They thus can be a good opportunity to gain some teaching experience in some cases. Please note that all persons contributing to the delivery of courses can be remunerated, regardless of contract status (permanent, fixed term or PhD students).

**Current PhD Projects**

1. Duraid Abd - Fundamental characterisation of warm asphalt binders and mixtures including reclaimed asphalt pavement – Hussain Al-Khalid
2. Nawaf Alsohiman - Costing Of Variation in Construction Projects – Abdel Boussabaine
3. Ozcel Cangul - Optimal and robust risk management for sustainable electrical energy generation planning – Edoardo Patelli
4. Diego Coglitore - Nano-particle dynamics in liquids – Eann Patterson
5. Kaikan Diao - Electrochemical properties of porous metals manufactured by lost carbonate sintering - Yuyuan Zhao
6. Fahad Harbi - Risk in information technology projects: a complexity approach – Abdel Boussabaine
7. Sherif Hassaan - Regional variation of ocular biomechanical properties – Ahmed Elsheikh
8. Fei Su - Numerical techniques for stochastic non-linear systems with applications to General Insurance – Michael Beer
10. Kevin Williams - Dynamic wetting with superspreader surfactants – Volfango Bertola