THE VALUE OF AN IDEA LIES IN THE USING OF IT.

- Thomas Edison -
Index

3  School of Engineering Core Training
4  Launch of Liverpool Doctoral College
5  Thesis submissions and PhD completions
5  Conference Presentations
6  Congratulations
6  Conference Posters
6  New PhD Starters (September 2015)
6  Current ongoing PhD projects
7  Seminars
7  Conference/Journal deadlines
7  Any ideas?

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).
As of Thursday 1st October, the School of Engineering will have a new core training programme you (the students) will need to complete over the next couple of years of your degree. You are no longer required to attend seminars; we now have a more choice led and flexible approach to your training. You will now need to earn 30 points over 3 years, below is a table of current points values for certain tasks. You will be emailed in the coming days explaining how this change affects you in more detail.

<table>
<thead>
<tr>
<th>Type of training/activity</th>
<th>Point value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seminar (one hour)</td>
<td>1</td>
</tr>
<tr>
<td>Seminar (one day)</td>
<td>3</td>
</tr>
<tr>
<td>Conference/Workshop attendance (one day)</td>
<td>3</td>
</tr>
<tr>
<td>Conference/Workshop attendance (two days)</td>
<td>4</td>
</tr>
<tr>
<td>Conference/Workshop attendance (three days or more)</td>
<td>5</td>
</tr>
<tr>
<td>Presentation to final year UG/MSc students</td>
<td>1</td>
</tr>
<tr>
<td>Risk assessment and laboratory training for using one piece of equipment</td>
<td>1</td>
</tr>
<tr>
<td>Risk assessment and laboratory training for using two or more pieces of equipment</td>
<td>2</td>
</tr>
<tr>
<td>Publication of journal paper</td>
<td>3</td>
</tr>
<tr>
<td>Publish one conference paper</td>
<td>1</td>
</tr>
<tr>
<td>Voluntary demonstration work (one module)</td>
<td>1</td>
</tr>
<tr>
<td>Voluntary demonstration work (two or more modules)</td>
<td>2</td>
</tr>
<tr>
<td>Voluntary demonstration marking (one module)</td>
<td>1</td>
</tr>
<tr>
<td>Voluntary demonstration marking (two or more modules)</td>
<td>2</td>
</tr>
<tr>
<td>Voluntary work on an Open Day</td>
<td>1</td>
</tr>
</tbody>
</table>
Launch of Liverpool Doctoral College

The University of Liverpool is committed to providing you with a top class programme of research and the support you need to excel. The Liverpool Doctoral College has been established to enhance your overall experience with a particular focus on providing innovative doctoral training, supporting a thriving doctoral community and delivering tailored employability and entrepreneurial provision. From October 2015 the Liverpool Doctoral College will introduce changes that we hope will enhance your experience.

PGR Welcome Week
The Liverpool Doctoral College is introducing PGR Welcome Week in October 2015; a week of tailored events to induct new students, provide refresher information for current students and provide networking and community development sessions for all. The week will run from 12th to 16th October and include: an introduction to the Liverpool Doctoral College, refresher induction sessions, networking events and seminar series. The event will be replicated during the academic year so students starting outside of October and those unable to make this week can still benefit from the activities on offer.

PGR Development Opportunities
The University’s approach to PGR development is changing. Through the establishment of the Liverpool Doctoral College, we want to provide you with a flexible, choice led approach to your development and so a new way of offering PGR development training will be introduced from October 2015. The PGR Development Programme that you have become familiar with over the course of your research with us is being replaced by a new structure:

- **Personal and Professional Development (PPD) training**, offered at University and Faculty level, will provide you with opportunities to enhance your skills via training which fits into one or more of the following themes:
  - Methods
  - Communication
  - Impact
  - Ethics and Governance
  - Employability and Entrepreneurship

- **Core Training** will be offered by your School, Institute or Department to help develop your knowledge base and skills within your chosen discipline within your chosen discipline, inter-disciplinary or multidisciplinary area.
Through this new approach the University is offering a greater range of development opportunities to all PGR students and whilst elements of the PGR Development Programme will be retained (such as Poster Day), as of 1st October 2015 PGR Personal and Professional Development training will no longer be compulsory in the sense that all students must complete particular activities. Along with new students, you will have the opportunity to analyse your development needs with your supervisor using a process designed by PGRs and Supervisor representatives to identify appropriate opportunities to aid your development from a broad training menu. You are strongly encouraged to engage with activities appropriate to your needs, discipline and professional ambitions; it is widely acknowledged that appropriate development training for PGRs aids completion, as well assisting progression to a career.

From 1st October 2015 you will be able to access a comprehensive list of training opportunities on the Liverpool Doctoral College intranet site (www.liv.ac.uk/intranet/doctoral-college-currently under development) which will include details of dates, venues and how to book.

**Thesis submissions and PhD completions**

**Dezhi Wang** (Supervisors: Mottershead, Diaz De La O and Patterson) passed his PhD viva with minor modifications on the 14th September. Thesis was entitled ‘Kriging Regression in Digital Image Correlation for Error Reduction and Uncertainty Quantification’

**Husam Sadek** (Supervisors: Al-Khalid and Masad) passed his PhD viva with minor modifications on 26 August. Thesis was entitled ‘Mechanistic-Based Characterisation of Fatigue Resistance of Alternative Mix Designs’

**Conference presentations**

Congratulations

Congratulations to everybody involved in the University of Liverpool Velocipede (ULV) bike, ARION1. The team set a British land speed record of 75.03 MPH. You can read more about the success of the team here: http://news.liv.ac.uk/2015/09/23/engineering-students-break-british-land-speed-record/

Conference Posters


New PhD Starters (September 2015)

(1) Mahdi Davoodi - Controlling purely-elastic instabilities - Robert Poole

(2) Qiong Wang - Uncertainty Quantification in stochastic model updating - Alex Diaz De La O

Current ongoing PhD projects

(1) Yue Yin: Modelling flow and environmental impact of marine turbine farms using the open-source – Ming Li


(3) Esra’a Tarawneh: Sediment production and dynamics in semi-arid regions – Jonathan Bridge
Seminars

The Schools Wednesday afternoon seminar series is starting again for the new academic year. Below is a list of the planned seminars in October. All seminars will start at 1.00pm in the Mason Bibby Common Room.

<table>
<thead>
<tr>
<th>Date</th>
<th>Seminar Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>7th October</td>
<td>Jon Bridge: Taking opportunities: environmental science in engineering</td>
</tr>
<tr>
<td>14th October</td>
<td>Karl Whittle: Nuclear the next generation</td>
</tr>
<tr>
<td>21st October</td>
<td>Ming Li presents Dr Judith Wolf and Kevin Horsburgh: Introduction to national oceanography centre and new institute for sustainable coasts and oceans</td>
</tr>
<tr>
<td>28th October</td>
<td>Zhongwei Guan: Dynamic response of lightweight composites subjected to impact and blast</td>
</tr>
</tbody>
</table>

Conference/Journal deadlines

If you would like to alert your fellow students of a conference or journal paper deadline in the next newsletter, please email Jack relevant information.

Any ideas?

If you have any ideas or suggestions on how we can improve our newsletter, we would like to hear from you. Please email Jack some information and possible examples of your idea/suggestion.