Liverpool Women in Science and Engineering Society
Newsletter

June 2015

Welcome to the June 2015 LivWiSE Newsletter. If you would no longer like to be on our mailing list, or you would like to contribute to the LivWiSE newsletter/Facebook/Twitter then please get in touch at livwise@liv.ac.uk.

- LivWiSE News
- Science News Roundup
- Upcoming Events
- Scholarships, Prizes and Competitions
- Podcasts and Films
- Job vacancies

Remember you can follow us on Twitter and Facebook where we post daily news, updates, event information and retweets/posts.
LivWiSE Launch New Science and Engineering Promotional Films

LivWiSE is very pleased to announce the launch of our 5 new films produced to celebrate and promote the varied and exciting options that a career in science, technology, engineering and maths can lead to. Featuring female research and academic staff from the University of Liverpool, and stakeholders from commercial companies, we hope these films will help ‘ignite your passion’ for STEM. The five films are listed below.

**Ignite your passion for Science and Engineering**

‘Ignite your passion for Science and Engineering’ celebrates and promotes the career options in studying and working in the fields of science, engineering and technology. Featuring staff from across the faculty, it shows that passion, creativity and an inquisitive mind can take you to where ever you can imagine.

**Why Electrical Engineering, Electronics and Computer Science?**

‘Why Electrical Engineering, Electronics and Computer Science?’ celebrates and promotes the career options in studying and working in the fields of computing, electrical engineering, and electronics. Featuring staff from across the School of EEE&CS, it shows that passion, creativity and an inquisitive mind can take you to where ever you can imagine.

**Why Engineering?**

‘Why Engineering?’ celebrates and promotes the career options in studying and working in the field of Engineering including additive printing, bio-engineering, civil engineering and virtual engineering. Featuring staff from across the School of Engineering, the Virtual Engineering Centre, and company MACE, it shows that passion, creativity and an inquisitive mind can take you to where ever you can imagine.

**Why Environmental Sciences?**

‘Why Environmental Sciences’ celebrates and promotes the career options in studying and working in the fields of earth science, specifically volcanology, geology and palaeontology. Featuring staff from across the School of Environmental Sciences as well as the company MACE, it shows that passion, creativity and an inquisitive mind can take you to where ever you can imagine.

**Why Physical Sciences?**

Why Physical Sciences’ celebrates and promotes the career options in studying and working in the fields of Physics and Chemistry specifically and Physical Sciences more broadly. Featuring staff from across the School of Physical Science as well as the National Nuclear Laboratory, it shows that passion, creativity and an inquisitive mind can take you to where ever you can imagine.
Genomic data reveals emergence in Africa of drug resistant strain of typhoid

Tick season is upon us

New technology shows potential in repairing damaged tissue in knee joints

New trigger for volcanic eruptions discovered using jelly and lasers

Scientists discover bacterial cause behind fatal heart complications

£1.5M to investigate ‘killer’ African Salmonella

Increase in types and brands of same food items contributes to overconsumption

Becoming an Expert: Natasha Clarke on alcohol harm-reduction strategies for students

Mathematics reveals how fluid flow affects bacteria

Global Hepatitis B epidemic can be treated at cost of £24 per person per year

Ebola survivors donate plasma to tackle outbreak

The Big Debate: Tackling the UK’s mental health and wellbeing crises
University Events:

University Open Days
Thinking about studying at the University of Liverpool? There are 2 open days in June when you can visit the campus, meet lecturers and staff, and talk to current students. This is a great opportunity to get a feel of the campus and ask any questions about the programme or subject.

Full details visit the website [HERE](http://www.liv.ac.uk/events/index.php)
Download the Open Day Guide [HERE](http://www.liv.ac.uk/maps/)

Date: Friday 19\textsuperscript{th} and Saturday 20\textsuperscript{th} June 2015
Time: 9:30 – 3:00pm
Register: Register [HERE](http://www.liv.ac.uk/events/index.php)

Coming to Liverpool visit days
Our Coming to Liverpool visit days are mainly aimed at 2015 offer holders who wish to visit the campus, but if you are looking to apply for 2016 entry and can’t make it to one of our main Open Days, you are welcome to register.

Full details visit the website [HERE](http://www.liv.ac.uk/events/index.php)

Date: Wednesday 24\textsuperscript{th} June and Wednesday 1\textsuperscript{st} July 2015
Time: 11:00-4:00pm
Register: Wednesday 24\textsuperscript{th} [HERE](http://www.liv.ac.uk/events/index.php)
Wednesday 1\textsuperscript{st} [HERE](http://www.liv.ac.uk/maps/)

For more upcoming events, visit the University Events Website: [http://www.liv.ac.uk/events/index.php](http://www.liv.ac.uk/events/index.php)

For campus maps and travelling / car parking information please visit: [http://www.liv.ac.uk/maps/](http://www.liv.ac.uk/maps/)
**Other Events**

**National Women in Engineering Day 2015**

National Women in Engineering Day was set up by the Women’s Engineering Society (WES). Taking place on the 23rd June, the aim of the day is to celebrate the work that women do in engineering, and to showcase the great engineering careers that are available for girls.

Events are taking place across the country, for full details about this day, and how you can get involved, visit the NWED Website.

- **Date:** 23rd June 2015
- **Weblink:** [http://www.nwed.org.uk/](http://www.nwed.org.uk/)

**Scholarships, Prizes and Competitions**

**Range Rover Evoque WISE scholarship**

The Range Rover Evoque WISE scholarship is supporting more young women in the UK to access the opportunity to enjoy the rewards of an engineering career. The winners receive £1000 per year for three years of their studies, the offer of a mentor from Jaguar Land Rover and a mentor from WISE and the offer of a summer placement at Jaguar Land Rover.

Eligible courses of study include:

- **Apprenticeships in:** Engineering & Manufacturing Technologies, Information & Communication Technology
- **Undergraduate degrees in:** Physical Sciences, Mathematical Sciences, Computer Science, Engineering & Technology


**Postgraduate Progression Award**

If you’re a current University of Liverpool undergraduate or alumni, including Study Abroad and Exchange students, progressing to either full or part-time postgraduate taught study in 2015 you’re eligible to receive our Postgraduate Progression Award: a 20% reduction in tuition fees.

**Weblink:** [http://www.liv.ac.uk/study/postgraduate/finance/scholarships/ppa/](http://www.liv.ac.uk/study/postgraduate/finance/scholarships/ppa/)
If you missed one of the recent public lectures of events, never fear, you can now listen to and watch the following podcasts and films:

Women in Science: The Challenge - or How a space obsessed school girl grew up to be a top scientist.

In this special LivWISE guest lecture, BBC Sky at Night presenter, Dr Maggie Aderin-Pocock MBE talked about the importance of role models in showing how exciting science and engineering is.

She talks about her own journey and how she became fascinated in science, and how that journey led her to work as a space scientist. She will cover topics including her work at the Ministry of Defence and the Defence Evaluation and Research Agency on missile warning systems to hand-held instruments for detecting landmines, through to her role as a science communicator.

Click on the title or logo
PhD Studentships

Are you looking for the next step in your career? Looking to study for a PhD? The following studentship positions are a selection of posts currently being advertised. Please visit the website for full details.

http://www.liv.ac.uk/working/jobvacancies/currentvacancies/studentships/

Health & Life Sciences

- Understanding the mechanisms underlying bone cell ageing. DEADLINE 29th May
- Role of micro RNAs in lung fibrosis. DEADLINE 29th May
- Understanding the role of HACD enzymes and very long chain fatty acids in muscle development, ageing and disease. DEADLINE 30th June.

Science and Engineering

- Enhancing Sensor Performance with Statistical Data Analytics. DEADLINE 30th May
- Game theory and machine learning. DEADLINE 17th June
- Regioselective reactions of arynes and heteroarynes (funded by AstraZeneca). DEADLINE 1st September.
- Catalysis and Ultrasonic Chemistry. DEADLINE 30th June.
- Computational Design of New Complex Inorganic Materials. DEADLINE 1st October.
- Antimicrobial Surfaces for Wound Healing Applications. DEADLINE 1st July

Researcher / Post Doc positions

Finished your PhD? Looking for the next career step? Are you looking for an interesting research post? A number of positions are currently being advertised, a selection is below:

http://www.liv.ac.uk/working/jobvacancies/currentvacancies/research/
Health & Life Sciences

- Qualitative Postdoctoral Research Associate (Paediatric early warning Utilisation and Mortality Avoidance). DEADLINE 4th June.
- Postdoctoral Research Associate in Animal models of osteoarthritis. DEADLINE 10th June.
- Postdoctoral Research Associate in Ultrasensitive Optical Coherence Tomography Imaging for Eye Disease. DEADLINE 12th June.

Science and Engineering

- Research Instrumentation Production Manager Grade 7/8 (Physics). DEADLINE 23rd June.
- Postdoctoral Research Associate in Knowledge Representation (Computer Science). DEADLINE 29th May.
- Postdoctoral Research Associate in Data Mining and/or AI (Computer Science). DEADLINE 29th May.
- Postdoctoral Research Associate in High Throughput Materials Discovery (Chemistry). DEADLINE 12th June.
- Postdoctoral Research Associate in Gamma-Ray Detection and Imaging - HMS Sultan, Hampshire (Physics). DEADLINE 11th June.

For more positions please visit the website.

Academic positions

Academic positions (Lecturer, Senior Lecturer, Professor etc) are advertised throughout the year. All current posts can be found using the web link below. A selection of the current posts is listed below:

http://www.liv.ac.uk/working/jobvacancies/currentvacancies/academic/

- Executive Pro-Vice Chancellor for the Faculty of Health and Life Sciences. DEADLINE 8th June.
- Chair and Head of Department of Computer Science. DEADLINE 29th May.
- Lecturer in Human Geography - Health Geography. DEADLINE 17th June.
- Lecturer in Physical Geography - Costal Resilience. DEADLINE 18th June.
- Lecturer in Physical Geography - Glacial Geomorphology. DEADLINE 18th June.
- Lecturer in Human Geography - Maritime Geographies. DEADLINE 18th June.
- Lecturer in Radiotherapy Grade 8. DEADLINE 26th June.
- Tenure Track Fellowship (leading to Lectureship) in Cellular and Molecular Physiology. DEADLINE 4th June.