Welcome to the December 2014 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.

Contents: News, Upcoming Events, PhD Opportunities, Job Opportunities, Networks & Societies

**NEWS**

LivWiSE Christmas Lecture Success

The LivWiSE Christmas Lecture was a sell-out with over 300 people attending. Thank you to everyone who came along. If you missed the Christmas Lecture, don’t worry, you can watch each of the 9 mini lectures on the LivWiSE Film Webpage here: [http://www.liv.ac.uk/liverpool-women-in-science-and-engineering/films,&,podcasts/](http://www.liv.ac.uk/liverpool-women-in-science-and-engineering/films,&,podcasts/)

3D Printed Head Winners

Congratulations to Rebecca Behan, Jack Williams, Sandra Igwegbu, Kirsty Farr and Charlie Barclay-Hudson who won the Welcome Week competition to have their heads printed in 3D (above).

LivWiSE joins Twitter

We have now launched a Twitter Feed where you can be kept up to date of our news, events, things that interest us and things we just retweet. You can find us at [https://twitter.com/LivUniWiSE](https://twitter.com/LivUniWiSE) and @LivUniWiSE #LivWiSE

10,000+ sign up to Electrify

‘Electrify: An Introduction to Electrical and Electronic Engineering’ is a FREE online 6 week short course run by the Dept of Electrical Engineering & Electronics with FutureLearn. Topics include Electromechanics, Digital Electronics, DC Circuits, Analogue Electronics, AC Circuits and anIntroduction to C Programming.

The course ran for the first time in September 2014 with over 10,000 people showing an initial interest. Over 4000 people actively took part in the course, around 19% of which were women.
If you want to register an interest in taking part in Electrify next time it is run, you can do so by signing up on the **Future Learn Website**.

### Athena SWAN Success

Athena SWAN is a national charter mark for Universities and University Departments which recognises their commitment to supporting women who work in science, technology, engineering, maths and medical careers.

The **School of Engineering** and the **School of Physical Sciences** were each recently awarded with a Bronze Department Award, and the **Institute of Ageing and Chronic Disease** has been awarded with a Silver Department Award. Congratulations to all involved. Read the News article [here](#).

### LivWiSE Film Project – Call for Participants

We are producing a series of short promotional films that will highlight the variety and opportunities in the Faculty of Science and Engineering for women and include examples from female students, alumni and industry. The films will be used online, at events and exhibitions, at recruitment events and in outreach activities. This project is kindly funded by the **University’s Benefactors Fund**. If you would like to feature in these films or can nominate someone who may be interest please get in touch! Ideally if you can answer the following questions: 1) What STEM area are/were you involved in? 2) What inspired you to work in this area? 3) What is exciting about the work you’re doing?

### LivWiSE Oral History Project – Call for Participants

We will be exploring the contribution women have made to scientific innovation and advancement at the University of Liverpool (including researchers, academics and technicians). We will collect the life histories and witness testimonies of pioneering women from the Faculty of Science and Engineering’s past. Transcribed interview extracts and audio clips will subsequently be utilised in a range of predetermined outputs to be showcased on the LivWiSE and University of Liverpool websites. If you would like to feature in this project or can nominate someone who may be interested in being interviewed please get in touch!

Ideally if you can answer the following questions:

1) What STEM area are/were you involved in?
2) What inspired you to work in this area?
3) What is exciting about the work you’re doing?

### New Women in Science Role Model Profiles

New Role Model profiles have been added to the LivWiSE website. Featuring female staff and students from a number of difference ‘science’ areas, they give a personal view point on being a women in science. Find out more [HERE](#).
A big thank you from LivWiSE to Eaton Engineering who have become our first corporate supporter. This sponsorship will help LivWiSE reach more women and girls who are interested in STEMM, to promote and celebrate the achievements on women in science, and to run more fantastic events.

UPCOMING EVENTS

Engineering Challenges for Nuclear Industry: Should the public be concerned?

Professor Dame Susan Ion is a British engineer and expert advisor on the nuclear power industry. She has been the President of the Royal Academy of Engineering since 2002.

She was the technical director for British Nuclear Fuel Ltd (BNFL) during which time she has been credited with persuading Prime Minister Tony Blair to change Labour’s official government’s policy on nuclear power.

Professor Ion was knighted as a Dame Commander of the Order of the British Empire (DBE) in 2010 after receiving an OBE in 2002. Dame Susan was featured in Woman’s Hour power list in 2013 and was awarded Honorary Fellowship by the Association for Project Management in 2012.

Speaker: Professor Dame Susan Elizabeth Ion
Chair, Euratom Science & Technology Committee
Date: Tuesday 20 January 2015
Time: 5:30pm
Location: The Leggate Theatre, Victoria Gallery & Museum, University of Liverpool (Building 421 on the Campus Map)
Book Tickets: https://www.liv.ac.uk/events/science-and-society/engineering-challenges.php

International Women’s Day 2015

The 8th March is International Women’s Day and a host of events are currently being planned across the University during the preceding week. Events will include a public lecture and debate with Professor Janet Beer the new Vice Chancellor of the University of Liverpool, Film Screenings and Society activities. Events will be finalised in January 2015 but this is just a heads up.

Speaker: Professor Janet Beer (Vice Chancellor of University of Liverpool)
Date: Wednesday 4th March 2015
Time: Lunch Time TBC
Location: TBC
Book Tickets: TBC
LivWiSE Guest Lecture: Dr. Maggie Aderin-Pocock MBE

This is an early bird notice that the next LivWiSE Lecture will be delivered by Dr. Maggie Aderin-Pocock MBE, one of the presenters of the BBC’s longest running TV programme, The Sky at Night.

Dr Maggie Aderin-Pocock studied at Imperial College where she obtained her degree in Physics and her PhD in Mechanical Engineering. Since then she has spent her career to date making novel, bespoke instrumentation ranging from hand held land mine detectors to an optical subsystems for the James Webb Space Telescope.

Speaker: Dr. Maggie Aderin-Pocock MBE
Date: Thursday 30th April 2015
Time: TBC (Evening)
Location: TBC
Book Tickets: TBC

Climate change and its impact

Professor Dame Julia Slingo has been the Chief Scientist of the Met Office since February 2009. Before joining the Met Office she was the Director of Climate Research in NERC’s National Centre for Atmospheric Science, at the University of Reading, where she is still a Professor of Meteorology.

As Chief Scientist Julia is responsible for providing scientific and technical strategy; ensuring the organisation adheres to good scientific and technical standards, and directing and managing research and development with the Met Office. She also represents the office, on science and technology, across government.

Speaker: Professor Dame Julia Slingo
Chief Scientist, Met Office
Date: Tuesday 19 May 2015
Time: 5.30pm
Location: The Leggate Theatre, Victoria Gallery & Museum, University of Liverpool (Building 421 on the Campus Map)

Note: Science and Society events are not organised by LivWiSE, please contact the organiser directly with any questions.
**PhD Opportunities (Studentships)**

Are you looking for the next step after your Undergraduate Degree or Masters? Are you looking to re-train or move into academia? There are a number of funded PhD Opportunities currently being advertised and are listed below (Department / PhD Title or Area / Closing Date (link)):

- **Chemistry**: “Synthesis and structural characterization of new extended inorganic functional materials” (30/6/15)
- **Environmental Sciences**: “Geometry & Mechanics of Extensional Faulting During Continental Breakup and Sea-floor Spreading Initiation” (16/1/15)
- **Environmental Sciences**: “The Role of Lithosphere Hyper-Extension in the Formation of Magma-rich Continental Margins from Deep-Seismic Reflection Data” (16/1/15)
- **Infection & Global Health**: “Antimicrobial resistance gene dispersal through sewage communities” (11/1/15)
- **Electrical Engineering**: “Mobile hand-portable antenna designs (funded by Huawei Devices Co., China)” (5/1/15)
- **Electrical Engineering**: “The Real-time Localization of Wireless Capsule in the Human Body” (5/1/15)

**Job Opportunities**

There are many job opportunities at the University of Liverpool in STEM areas. Currently advertised posts are listed below (Post Title / Department (Link) / Closing Date):

**Post-Doctoral Researcher**

- Materials Engineer (KTP Associate) ([Engineering](#)) (5/1/15)
- Project Engineer (KTP Associate) ([Engineering](#)) (5/1/15)
- Ocular Biomechanics Group Research Assistant/Associate ([Engineering](#)) (9/1/15)
- Computation Fluid Dynamics modelling Research Associate ([Electrical Engineering](#)) (5/1/15)
- Reachability Problems Research Associate ([Computer Science](#)) (5/1/15)
- Algorithmic Game Theory Research Associate ([Computer Science](#)) (5/1/15)
- Tropical Ecology Research Associate ([Environmental Sciences](#)) (16/1/15)
- Liverpool Earth Observatory Research Associate ([Environmental Sciences](#)) (5/1/15)
- Particle Physics Research Associate ([Physics](#)) (15/1/15)
• Nuclear Physics Research Associate (Physics) (9/1/15)
• Wellcome Trust Clinical Research Fellowship (3 Posts)- Health Priorities in Resource-Limited Settings (Health & Life Science) (16/1/15)
• Centre for Genomic Research, Research Associate (x2 Posts) (Integrative Biology) (15/1/15)
• Research Associate (0.5 FTE) (Psychology, Health and Society) (5/1/15)
• Finnish Speaking Research Assistant (Child Language Development) (Psychological Sciences) (16/1/15)
• Neighbourhood Health Survey Research Associate (Health Services Research) (16/1/15)
• Clinical Research Fellow (Paediatric Clinical Trials) (Translational Medicine) (9/1/15)
• Clinical Research Fellow (Paediatric Clinical Trials in Paediatric Rheumatology) (Translational Medicine) (9/1/15)
• Research Trial Co-ordinator (0.5 fte) (Women & Children’s Health) (22/12/14)

Lecturer/Senior Lecturer (Academic)

• Lecturer (Clinical) in General Surgery (Molecular and Clinical Cancer Medicine) (2/2/15)
• Small Animal Surgery (Orthopaedics) (Veterinary Science) (15/1/15)
• Marine Biology Lecturer/Snr Lec /Reader (Environmental Sciences) (16/1/15)
• Farm Animal Clinical Skills Lecturer (Veterinary Science) (29/12/14)

The University also offers Apprenticeships and Technician Posts.

Networks

If you are a member of the University of Liverpool you may also be interested in joining one of more of the following networks:

• Equality Forum – this is an open forum which all students and staff can attend. Each meeting has a different general topic but attendees and bring up any issues they want to discuss or feed back to the University. To join the mailing list email sally.middleton@liv.ac.uk

• Female Early Career Researcher Network - is a forum for female researchers and academic staff who are early in their careers to meet, share and discuss issues that affect them in the workplace. Regular network meetings take place, providing an opportunity to hear from key speakers, find out about university projects and network with other members of staff. To join Sally.Middleton@liv.ac.uk or visit the webpage.

• Parents Network – is open to all staff and students who are parents or those planning or expecting a child soon are welcome to join. To join email sally.middleton@liv.ac.uk
University of Liverpool Student Societies (Click Here for full list)

There are loads of student societies and outreach groups which students can join and get involved in their activities; a summary of these is below:

**Anatomy Society** - The Liverpool Anatomy Society brings together the students...
[http://www.liverpoolguild.org/groups/anatomy--2](http://www.liverpoolguild.org/groups/anatomy--2)

**Architecture Society** – ASOC is the University of Liverpool’s Architecture Society – we organise guest lectures...
[http://www.liverpoolguild.org/groups/architecture-society-asoc](http://www.liverpoolguild.org/groups/architecture-society-asoc)

**Astronomy Society** – the Liverpool Astro Society promotes astrophysics and provides a community.....
[http://www.liverpoolguild.org/groups/astronomy--2](http://www.liverpoolguild.org/groups/astronomy--2)

**Chemistry Society** - ChemSoc aims to act as a social hub between those involved with Chemical Sciences.....
[http://www.liverpoolguild.org/groups/chemsoc--2](http://www.liverpoolguild.org/groups/chemsoc--2)

**CompSoc** – a group of students passionate about computers, gaming and programming to support each other ........
[http://www.liverpoolguild.org/groups/compsoc](http://www.liverpoolguild.org/groups/compsoc)

**ULECS** – University of Liverpool Engineering Challenge Society – specialise in providing the opportunity to partake in real world practical engineering projects...
[http://www.liverpoolguild.org/groups/engineering-challenges](http://www.liverpoolguild.org/groups/engineering-challenges)

**Engineers without Borders** – are a student led charity focused on removing barriers to development using engineering....
[http://www.liverpoolguild.org/groups/engineers-without-borders--3](http://www.liverpoolguild.org/groups/engineers-without-borders--3)

**ESHOCK** - is the official student society of the Department of Electrical Engineering and Electronics and hosts both social and academic events, field trips, events ..... 
[http://www.liverpoolguild.org/groups/eshock](http://www.liverpoolguild.org/groups/eshock)

**Geography and Planning Society** - organises monthly socials and is exciting society for all Geographers and Planners to meet each other and have fun together.
[http://www.liverpoolguild.org/groups/geography-and-planning](http://www.liverpoolguild.org/groups/geography-and-planning)

**The Herdman Society** - is for people on and within the Earth and Ocean science department. They hold regular socials and academic based events to aid alongside academic study.
[http://www.liverpoolguild.org/groups/herdman](http://www.liverpoolguild.org/groups/herdman)
Institute of Translational Medicine Postgraduate Society (ITMPG Soc) - is a group for postgrads who host academic and social events with other departments
http://www.liverpoolguild.org/groups/institute-of-translational-medicine-post-graduate-society

Life Sciences Outreach - raise awareness of Life Sciences by delivering workshops/experiments to the public and at school STEM clubs
http://www.liverpoolguild.org/groups/life-sciences-outreach

Liverpool Biological Student Society (LBSS) - brings Biology students together outside of academic activities.....
http://www.liverpoolguild.org/groups/liverpool-biological-student-society-lbss

Liverpool Cardiovascular and Thoracic Society (LCTS) - aims to represent and support Liverpool Medical Students......
http://www.liverpoolguild.org/groups/liverpool-cardiovascular-and-thoracic-society-lcts

Liverpool Engineers Student Society (LESS) - Throughout the academic year, LESS holds a great range of events and activities......
http://www.liverpoolguild.org/groups/liverpool-engineers-student-society-less

Liverpool Medical Student Society (LMSS) - support to University of Liverpool Medical Students from both an academic and social.....
http://www.liverpoolguild.org/groups/liverpool-medical-student-society-lmss

MATHSOC – Maths Society hosts events including social, sport activities, guest lectures and peer mentoring.....
http://www.liverpoolguild.org/groups/mathsoc--3

Mature Student Society - a network for students over the age of 21...
http://www.liverpoolguild.org/groups/mature-students-society

Molecular Biology and Genetics Society - bring together like-minded people who have a passion for science....
http://www.liverpoolguild.org/groups/molecular-biology-and-genetics-society

Motor sports - design and build a single seat formula style car to enter the formula student competition in collaboration....
http://www.liverpoolguild.org/groups/motor-sports

Northwest Biotech Initiative - promote the development of young researchers and their involvement in supporting local biotechnology businesses ...
http://www.liverpoolguild.org/groups/northwest-biotech-initiative

Ophthalmology Society - unite all students interested in the field of Ophthalmology....
http://www.liverpoolguild.org/groups/ophthamology
Liverpool Orthoptic Society (L.O.S) - is run by students to provide as many opportunities from volunteering to social events....
http://www.liverpoolguild.org/groups/orthoptics

Physics Outreach Group - aim to bring fun and interactive physics sessions and activities to all areas of the community....
http://www.liverpoolguild.org/groups/physics-outreach-group

PHYSOC - Physics Society organises social events, talks and lectures, trips and excursions. Open to any student from any subject interested in physics....
http://www.liverpoolguild.org/groups/physics-society--4

Radiotherapy Society – for Radiotherapy undergraduates and postgraduates to integrate and socialise together....
http://www.liverpoolguild.org/groups/radiotherapy

Society of Medical Leaders (SML) - is for medical students, nurses, physiotherapists and managers. It offers networking....
http://www.liverpoolguild.org/groups/society-of-medical-leaders-sml

University Biochemical Society – for those studying, or that have an interest in biochemistry....
http://www.liverpoolguild.org/groups/university-biochemical-society

If you would no longer like to receive updates from LivWiSE please email livwise@liv.ac.uk and ask to be removed from the mailing list.