

## Sent on behalf of Professor Perumal Nithiarasu, Associate Dean for Research, Innovation and Impact

Dear Colleagues,

Please read below about some of the Faculty's most recent success stories. We would particularly like to see more from our Professional Services staff for the next email!

### RESEARCH EXCELLENCE FRAMEWORK 2021

#### Celebrating our outstanding research

Over **91% of Faculty of Science and Engineering** submission to the assessment, over 8 units, was classed as either 'internationally excellent' or 'world-leading'. This is the latest in a series of endorsements for the faculty, which received a Queen's Anniversary Prize earlier this year. The Faculty is extremely proud of the partnerships and collaborations that have led to their success and will be celebrating with the whole research community: technicians, Postgraduate Researchers, administrators, researchers, and librarians, who have made these achievements possible.

The Faculty has always prized itself on the real-world impacts of their research and so are delighted that 87% of their impact case studies have been assessed as 'world-leading' and internationally excellent 'by expert REF panellists, with our **Maths colleagues achieving 100% world leading impact**.

[Find out more](#)

### STUDENT AND STAFF SUCCESSES: CONGRATULATIONS TO ...

#### Benjamin Clunie

Biosciences and shared labs technician Benjamin passed his VIVA on 13th April. His thesis was on Novel Strategies for the Control of Wireworm in Potato Crops.

#### Huw Thomas

Huw has been appointed as the new Technical and Laboratories Manager for FSE based in Singleton Campus!

#### Dr Francisco Martin-Martinez

[Francisco](#) (Chemistry) has been selected as Google Cloud Research Innovator. There are 60 people in this cohort (the second one) selected by Google worldwide among thousands of applicants. There are only 4 from UK.

[Read more](#)

#### Distinguished Fellow Award

[Honorary Professor Kathryn Monk](#) (Biosciences) has recently been made a Distinguished Fellow of [The Schumacher Institute](#), which is based in Bristol. Distinguished Fellows anchor the work of the institute in achievements but look to the future of the institute, of humanity, and of the planet - its resources and living systems. Distinguished Fellowships are by invitation to senior academics, writers, and practitioners whose work has contributed to sustainability, equality and

systems thinking as well as having great potential to contribute to the overall aims of the institute.

## PUBLICATIONS

### Paper Published in Advanced Materials

[Dr Francisco Martin-Martinez](#) (Chemistry) has had a paper published in Advanced Materials. The paper was written in collaboration with MIT.

[Read more](#)

## LEARNED SOCIETY OF WALES NEW FELLOWS 2022

### Congratulations to the following staff

- [Professor Sondipon Adhikari](#) (Aerospace Engineering)
- [Professor Elaine Crooks](#) (Mathematics)
- [Professor Stefan Doerr](#) (Geography)
- [Professor Kathryn Monk](#) (Geography)
- [Professor Andrew Rowley](#) (Biosciences)

[Find out more](#)

## RESEARCH AND INNOVATION AWARDS 2022

### The Great Hall, Bay Campus

Once again Swansea University was able to celebrate the exceptional research undertaken by its staff and students, with many of this year's highlights coming from the Faculty of Science and Engineering:

- Swansea Modelling Team: Professors Michael and Biagio Lucini
- The SUNRISE project: Georgia Bevan and Dr Ian Mabbett
- The AMBER project: Professor Carlos Garcia De Leaniz
- S4 – Professors Mary Gagen and Will Bryan
- Unstructured Mesh Generation Tools: Professor Oubay Hassan
- Postgraduate Rising Star: Alaa Alaizoki
- Early Career Rising Star: Dr Emrys Evans
- Outstanding Technician Award: Ian Hemming
- All the winners for the 'Outstanding response to the Covid pandemic' category

## FUNDING AWARDS

### Pioneering research wins international funding

Dr Olivia McCarthy has won a £67,000 (600,000 kr) grant from the Danish Diabetes Association to carry on investigating the latest artificial pancreas technology in people with type 1 diabetes who are performing exercise.

An artificial pancreas is a man-made device that is designed to release insulin in response to changing blood glucose levels in a similar way to a human pancreas.

[Read more](#)

## RESEARCH NEWS

### SUNRISE in India

The first solar-powered demonstrator building in the village of Khuded in Maharashtra, India is under construction.

The building which was designed and created in close collaboration with [SPECIFIC](#), in line with their [Active Building concept](#) will use solar power to generate and store clean, reliable, off-grid electricity to be shared by the community. The structure will be equipped with technologies for lighting, clean water, sanitation, agricultural activities, and power points for residents to charge batteries (such as for phones and lamps), thus reducing the need to burn fuels.

[Read more](#)

### The UK Vertical Lift Network

Swansea University has successfully become a member of the UK Vertical Lift Network which is a collaboration between UK academia and industry, providing leadership and promotion of the UK rotorcraft and rotor-powered vehicles, consisting of universities, national aerospace institutions and industrial research bodies.

The UKVLN allows data and software sharing amongst members and provides additional industry collaboration opportunities with Leonardo Helicopter, Vertical Aerospace, GKN Aerospace, Sophrodyn Aerospace, DSTL, and Aircraft Research Association Ltd (ARA).

Using this network, Swansea University can promote its aerospace research, especially in the rotorcraft and novel air mobility vehicle aspects.

[Read more](#)

## RESEARCH EVENTS

If you would like to promote a research event on the FSE Events webpage, please contact [fse-reception@swansea.ac.uk](mailto:fse-reception@swansea.ac.uk)

[Faculty upcoming events](#)

## KEEP IN TOUCH!

If you are aware of any recent achievements to share, either for yourself or for any members of your team, we would love to hear about them! We're interested in stories from academic and professional services communities. Please email any news to Anna Ratcliffe ([a.c.ratcliffe@swansea.ac.uk](mailto:a.c.ratcliffe@swansea.ac.uk)). **Deadline for submissions: 15th of each month.**

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