



Faculty of Science and Engineering Cyfadran Gwyddoniaeth a Pheirianeg



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!

STAFF NEWS



Prestigious international fellowship awarded to Swansea academic

Congratulations to [Professor Perumal Nithiarasu](#), Department of Civil Engineering, who is one of only 22 scientists to have been awarded the prestigious Vaibhav fellowship, 2023.

A total of 302 proposals were submitted, and the recipients were chosen on the merits of their project objectives. Professor Nithiarasu's proposal falls within the Health, Medical Sciences and Biomedical Devices area of research.

The fellowship, which was introduced by the Department of Science and Technology (DST), Government of India, aims to facilitate academic and research collaborations between Indian Institutions and the best institutions in the world through mobility of faculty/researcher from overseas institutions to India. [IIT Kanpur](#) is the fellowship host and is one of Swansea University's strategic research partners.

[Watch the announcement of the results](#)

Swansea-Kyoto University partnership renewal success!

The Faculty of Science and Engineering are thrilled to announce the renewal of Swansea University's partnership with [Kyoto University's](#) Disaster Prevention Research Institute! Our collaboration, spanning back to 2008, has evolved into ground-breaking research on

coastal change, climate impacts, and nature-based coastal management.

In 2017, an MoU was signed, paving the way for institutional-level collaboration. Under the leadership of [Professor Harshinie Karunaratna](#), Department of Civil Engineering, our ties with Professor's Hajime Mase and Nobuhito Mori have flourished, resulting in extensive work on high-resolution global wave modelling, beach morphodynamics, and climate change impacts on the coast.

This renewed MoU in 2023 signifies continued support from Kyoto University. They've generously shared datasets, offered expertise in wave modelling, supported PhD students, and facilitated staff visits.

The collaboration has yielded joint publications in high-impact journals, collaborative workshops on coastal hydro-morphodynamics, and invited presentations.

Professor Nobuhito Mori has been an Honorary Professor of FSE, Swansea University since 2020, and a collaborative research grant was awarded in 2023 for *'Developing an assessment method for coastal disaster risk reduction by nature-based coastal management'*.



Associate Editor appointment for prestigious journal

Congratulations to [Dr Mohammad Monfared](#), Department of Electronic and Electrical Engineering, who has been recently appointed as an Associate Editor for [IEEE Transactions on Power Electronics](#) - one of the most respected journals in the field.

Since 2002, Mohammad has also been an Associate Editor for [IEEE Transactions on Industrial Electronics](#), another prestigious journal in his field of research.

Kerala cycle challenge for MIND

Sue Phillips, FSE Finance Team Leader, has returned from her cycle challenge in Kerala. Together with her teammates, Sue cycled 450kms taking on the dizzying heights of the Western Ghat mountains before finishing on the palm fringed shores of Marari Beach. Celebrities for a day, their ride featured in the local Munnar Press.

As always, the challenges are undertaken to raise funds for charity. This year's challenge has so far raised £600 for Mind. Sue would like to thank everyone who so very kindly donated.



Professorial Inaugural Lectures 2024

Upcoming Lectures:

[Professor Gibin Powathil](#) and [Professor Grigory Garkusha](#) - Wednesday 28th February 2024. [Register](#)

[Professor Daniel Thompson](#) and [Professor Ian Mabbett](#) - Wednesday 11th September 2024. [Register](#)

STUDENT NEWS



Mechanical Engineers host Robo Challenge!

The Mechanical Engineering Society recently had the pleasure of welcoming Robo Challenge, the team behind the battlebots of the new format Robot Wars competition!

The students got to chat with the Robo Challenge team about how they bring their ideas to life using Autodesk Fusion 360, utilising state-of-the-art generative design combined with CNC machining. The students got close and personal with some of the robots to see them in their mechanical glory and discuss the technical elements of such equipment.

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). **Deadline for submissions: 15th of each month.**

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

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