

## ENGINEERING eNEWS

Dear David,

The COVID-19 pandemic has made an extraordinary and historic impact on our world. At Monash Engineering, our teaching staff undertook the momentous task of transitioning over 8000 on-campus students to online learning. We have continued to deliver an outstanding engineering education to our students in Australia and abroad. It is wonderful to progressively welcome our researchers, educators and students back to campus, where we operate with some restrictions to comply with the relevant regulations and guidelines.

Many of our researchers are addressing COVID-19 through practical prevention and treatment solutions, as well as the changes required across our community infrastructure. Engineering innovations will continue to play a critical role in helping our world recover from the impacts of COVID-19, and we stand committed to contribute our expertise to these ends.

Take the next step and collaborate with us now:

- [Explore Co-op](#) - Monash Engineering students can join your workplace for 3, 6 or 12 months
- [Research with us](#) - join us as a PhD or Masters by Research student
- [Partner with us](#) - our first class researchers are working to solve your toughest problems

### Co-operative Education Program

Enhance your workforce by hiring Monash Engineering undergraduate students for 3, 6 or 12 month paid work opportunities, and play an active and influential role in shaping the future of engineering.

[Enquire now](#)



### Woodside Monash Energy Partnership

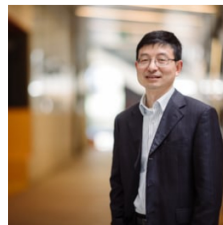
As we plot our recovery from COVID-19, our transition from fossil fuels to clean energy is critical for our economic and environmental survival. We welcome Professor Paul Webley to lead the \$40 million Woodside Monash Energy Partnership.

[Read more](#)

### Australian Laureate Fellow

Professor Huanting Wang has been awarded a prestigious ARC 2020 Australian Laureate Fellowship to pursue the development of nanofluidic membranes for a sustainable energy future.

[Find out more](#)



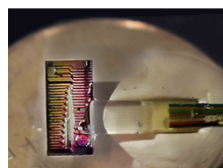
### ShanghaiRanking's GRAS 2020

We are ranked 9th globally for Metallurgical Engineering and Mining & Mineral Engineering, while Chemical Engineering is ranked 1st in Australia.

[Find out more](#)

### World's fastest internet

As the world's demand for data soars during COVID-19 lockdowns, our researchers have successfully tested and recorded the world's fastest internet data speed from a single optical chip.



[Learn more](#)



### Split ventilator option

Co-led by our researchers, a world-first breakthrough in ventilator splitting could help hospitals under severe stress as COVID-19 cases continue to rise around the world.

[Learn more](#)



### Mask adaption solution

Our Woodside FutureLab materials researchers have partnered with Monash Health to adapt recreational snorkels and CPAP masks to assist COVID-19 patients, and safeguard healthcare workers from infection.

[Find out more](#)



### The Safety Key

Materials Science and Engineering PhD student, Muthu Vellayappan, developed a 3D printed 'Safety Key' to reduce community spread of diseases such as COVID-19.

[Watch now](#)

### The Melbourne Experiment

Are Melbourne's multi-billion dollar transport infrastructure plans still necessary in the wake of COVID-19? As part of the Monash-wide 'Melbourne Experiment', Professor Graham Currie is finding the answers.

[Read more](#)



### Preventing lung injury

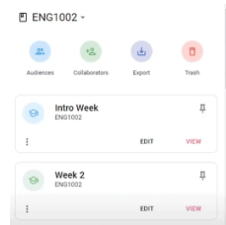
Ventilator-induced lung injury contributes to a 45 per cent fatality rate for patients in severe respiratory distress, including those with COVID-19. Our researchers are using advanced imaging technology to improve treatment and save lives.

[Read Monash Lens](#)

### Semester 1 online learning

As part of our switch to online learning, we have been using the Flux app to continue real-time student-teacher interaction and engagement.

[Watch Flux](#)



### Message to our 2020 graduates

Chief Commercial & Technology Officer of Orica and Monash Engineering alumnus, Angus Melbourne, shared a video message to our graduating class of 2020.

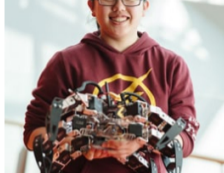
[Watch here](#)

### International Women in Engineering Day



For #INWED20, Dean of Engineering, Professor Elizabeth Croft, reflects on our progress in addressing gender inequity in engineering.

[Learn more](#)



## Graduate research opportunities

Be involved in pioneering research that can impact the world, collaborate with leading researchers and expand your career options. Explore PhD and Masters by Research degrees with Monash Engineering.

[Apply here](#)