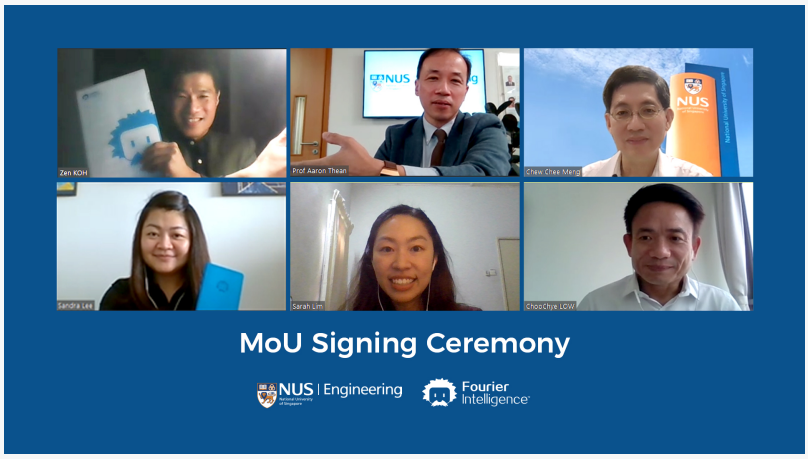
# Fourier Intelligence partners the National University of Singapore to advance neurorehabilitation robotics

*The collaboration aims to facilitate research in rehabilitation technology, and promote its adoption in patient care and therapy.*

SINGAPORE, February 5, 2021 /EINPresswire.com/ -- Fourier Intelligence has inked a Memorandum of Understanding (MOU) with the National University of Singapore's (NUS) Faculty of Engineering to research and develop neurorehabilitation robotics. This partnership marks another milestone in Fourier Intelligence's effort to promote accessibility and adoption of rehabilitation technology and at the same time, signals NUS' continued commitment to push the envelope in this field with cutting-edge research.

The MOU was signed by Professor Aaron Thean, Dean of the NUS Faculty of Engineering, and Mr Zen Koh, Fourier Intelligence's Co-founder and Group Deputy Chief Executive Officer, during a virtual ceremony.




Mr Zen Koh (top left) and Prof Aaron Thean (top middle) at the virtual MOU signing ceremony. Witnessed by Assoc. Prof Chew Chee Meng from the NUS Department of Mechanical Engineering (top right), (bottom, from left) Ms Sandra Lee, Ms Sarah Lim, and Mr Choo Chye Low.

Fourier Intelligence's innovative RehabHub™

This partnership seeks to support the country's Smart Nation initiative, where technology plays an important role in improving the way healthcare is delivered to patients. This can be achieved by enhancing clinical productivity, providing earlier patient care, offering telerehabilitation, and increasing patients' access to therapy.

"We are very excited about this strategic partnership with the NUS' Faculty of Engineering. It has always been Fourier Intelligence's goal to collaborate and transcend the field of rehabilitation by bringing advanced technologies created by both engineers and clinicians," said Mr Zen Koh.

Fourier's ExoMotus™ X2 as part of the Exoskeleton and Robotics Open Platform System (EXOPS™)

"Without translational research to prove the efficacy of robotics, it will be challenging to introduce rehabilitation technologies in clinical settings," added Mr Koh, an NUS alumnus who worked as a research fellow on microelectromechanical systems with the NUS Faculty of Engineering in 2000.

Led by Associate Professor Chew Chee Meng from the NUS Department of Mechanical Engineering, the NUS Engineering team will leverage Fourier Intelligence's innovative RehabHub™ and Exoskeleton and Robotics Open Platform System (EXOPS™) to carry out research and promote the adoption of rehabilitation technology in Singapore's multi-tiered healthcare system.

> This collaboration promotes a healthy exchange of knowledge between NUS Engineering and Fourier Intelligence and will pave the way for exciting joint research projects on rehabilitation equipment."
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> *Professor Aaron Thean, Dean of the NUS Faculty of Engineering*

"This collaboration promotes a healthy exchange of knowledge between NUS Engineering and Fourier Intelligence and will pave the way for exciting joint research projects on rehabilitation equipment. NUS has many years of experience in the field of rehabilitation robotics, and working with Fourier Intelligence will provide opportunities for us to develop next-generation affordable exoskeletons that provide dynamic walking abilities," said Prof Aaron Thean.

The two partners plan to conduct a multi-centre trial on ExoMotus™ X2 that will involve Fourier's extensive global network of researchers and laboratories.

About Fourier Intelligence

Fourier Intelligence is a technology-driven company, infusing creativity into the development of exoskeleton and rehabilitation robotics since 2015. Together with researchers, therapists, and patients, Fourier Intelligence aims to excel in developing and redefining rehabilitation robotics

solutions with inter-connectable intelligent robotics technology by elevating user experience with an intuitive, easy-to-use system to enhance the lives of both patients and therapists.

About Exoskeleton & Robotics Open Platform System (EXOPS™)
EXOPS™ is an open platform to educate, promote and accelerate the development of exoskeleton and robotics system for future meaningful real-life adoption.

About National University of Singapore (NUS)
The National University of Singapore (NUS) is Singapore's flagship university, which offers a global approach to education, research and entrepreneurship, with a focus on Asian perspectives and expertise. We have 17 faculties across three campuses in Singapore, with more than 40,000 students from 100 countries enriching our vibrant and diverse campus community. We have also established our NUS Overseas Colleges programme in more than 15 cities around the world.

Our multidisciplinary and real-world approach to education, research and entrepreneurship enable us to work closely with industry, governments and academia to address crucial and complex issues relevant to Asia and the world. Researchers in our faculties, 31 university-level research institutes, research centres of excellence and corporate labs focus on themes that include energy; environmental and urban sustainability; treatment and prevention of diseases; active ageing; advanced materials; risk management and resilience of financial systems; Asian studies; and Smart Nation capabilities such as artificial intelligence, data science, operations research and cybersecurity.

For more information on NUS, please visit (https://www.nus.edu.sg).

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