

## NTU Singapore and Max Planck Institute launch joint lab in healthcare and robotics

Nanyang Technological University, Singapore (NTU Singapore) and Germany's Max Planck Institute of Colloids and Interfaces (MPICI) have launched a joint lab to conduct research in artificial senses and develop innovative robotics and healthcare solutions.

These include skin-like wearable devices that not only monitor health and environmental conditions through smart sensors, but also enhance prosthetic devices with 'artificial sensing' capabilities.


This includes developing new sensory technologies that will allow users to see or hear radar frequencies or microwaves, smell infections or genetic patterns, or even sense earthquakes.

NTU President Professor Subra Suresh, said, "NTU's collaboration with the Max Planck Society aims to take robotics and medical technologies to the next level by combining human senses, AI and machine learning.

This will be beneficial for various industries, especially for healthcare as cutting-edge medical devices could reduce misdiagnosis, and allow for customised precision medicine to deliver faster, better care to patients.

"This partnership is also a reflection of NTU's continuous drive towards research excellence where we work closely with leading international partners to develop innovative solutions that will benefit humanity."

The text above is a summary, you can read full article here  
([https://www.eurekalert.org/pub\\_releases/2019-01/ntu-nsa011319.php](https://www.eurekalert.org/pub_releases/2019-01/ntu-nsa011319.php)).

 Subra Suresh (/search?q=Subra Suresh), Max Planck Society (/search?q=Max Planck Society), Healthcare industry (/search?q=Healthcare industry), Max Planck (/search?q=Max Planck), Robotics (/search?q=Robotics)