

IES Prestigious Engineering Achievement Awards 2017

Dr Raye Yeow and his team were selected for the IES Prestigious Engineering Achievement Awards 2017, which was presented at the World Engineers Summit on 20th July 2017 by Mr. Masagos Zulkifli, Minister for the Environment and Water Resources. They were awarded in the Applied Research category for the Soft Robotic Glove by Yap Hong Kai, as well as two awards in the IES Young Creators category for the Soft Robotic Sock by Low Fanzhe and the Soft Robotic Nose by Gokula Krishnan.



The soft robotic glove is designed to help stroke patients with hand assistive and rehabilitation tasks, and is currently spun off to RocoSo Technologies – Singapore’s 1st soft robotics company. The soft robotic sock targets stroke patients who are chronically bedridden, and assists ankle movement so as to prevent deep vein thrombosis and ankle joint contracture; the sock is currently undergoing clinical trials. The soft robotic nose is a flexible nose that uses novel flower-inspired florisensors to detect volatile organic compounds in the air, thus potentially giving any robots a ‘smelling’ capability in a healthcare setting.

