ROBOTIC MIDDLEWARE FOR HEALTHCARE (ROMI-H)

Date: 29 September 2021, (Thursday)

Time: 5pm to 6pm

CPD: PDUs for PEs and CEngs
(All to be Confirmed)

Fees: $20 (IES Members)
$40 (Non Members)
(Fees exclude 7% GST)

ABOUT SYNOPSIS

Singapore has one of the fastest aging populations in Asia. By 2030, it was estimated that 1 in 4 people will be over 65 years of age. The combination of a rapidly ageing population and the rise of chronic diseases will also means a higher demand for healthcare services. To meet this growing demand with dwindling manpower resources, assistive and robotics technologies will play an increasingly crucial role in public healthcare institutions.

It is thus necessary that healthcare processes move towards digitization and automation, aimed to improve productivity and free up our healthcare providers to focus on delivering care to our patients and to operate on top of their licenses. In the wake of pandemic (e.g. COVID19), the use of contactless and remote sensor technologies would reduce unnecessary exposure to infection and provide the needed protection for our healthcare providers.

Digitisation proliferates health and robotic software control and operating systems. In order to ensure that all robotic systems tested and subsequently deployed in Public Healthcare Institutions are interoperable via a standardized and recognized international and Singapore platform, CHART, with support of her partners in the consortium, established a standardized Robotic Middleware for Healthcare (RoMi-H).

RoMi-H is available to business partners to accelerate robotics development and adoption. The platform standardizes communications between robotic sub-systems and data structure, encourages re-usable intelligent packages as well as provides a reliable test and simulation tool for pre-deployment operational assessments.

In this webinar, the speaker will share on the motivation for RoMi-H and how RoMi-H support a sustainable healthcare system.

ABOUT SPEAKER

Ms Lim Chui Ping is the Deputy Director of Centre of Healthcare Assistive and Robotic Technology (CHART). She is also an active member (as co-convenor) of both local and international Working Groups under International Organisation for Standardisation (*ISO*) *TC299*.

At CHART, she leads a group of robotic engineers in the development of healthcare robotics and oversees robotic application development programs, supported by Ministry of Health (MOH) and National Robotic Program (NRP).

Prior to this position, Chui Ping held senior positions in the Republic of Singapore Airforce (RSAF) and Defence Science Technology Agency (DSTA), working on advanced Avionics systems. She is currently the Exco member of Singapore Institute of Aerospace Engineers (SIAE).

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