



For Immediate Release

LSCM Smart Living Gerontechnology Roadshow 2019 Officially Kicks Off Today

A Four-Day Event at Olympian City 2 Showcasing the latest gerontechnology and smart living technologies

14 March 2019, Hong Kong — The Logistics and Supply Chain MultiTech R&D Centre (LSCM) today kicked off the **LSCM Smart Living Gerontechnology Roadshow 2019**, a four-day event being held at the Central Atrium of Olympian City 2. Members of the public are welcome to visit and gain first-hand experience of how the pioneering and award-winning technologies developed by LSCM and its partners can help improve the quality of life of members of the community, in particular for the elderly.

At the opening ceremony, **Dr the Hon Lam Ching Choi, BBS, JP, Chairman of the Elderly Commission, Hon Charles Mok, JP, Legislative Councillor, Ir Dr the Hon Lo Wai-ki, SBS, MH, JP, Legislative Councillor, Mr Hermes Tang, CMSM, Commissioner of Customs and Excise, Ms Annie Choi, JP, Commissioner for Innovation and Technology, Dr Chan Pak Li, Bernard, JP, Under Secretary for Commerce and Economic Development, Mr Chua Hoi Wai, Chief Executive, Hong Kong Council of Social Service, Ir Victor Ng, Chairman of Technology Committee, LSCM and Mr Simon Wong, Chief Executive Officer, LSCM** announced the commencement of the Roadshow. They also enjoyed an impressive performance by an orchestra formed by a group of elderly people, who enthusiastically showcased their talent and energy.

During the Opening Ceremony of the Roadshow, **Mr Chua Hoi Wai, Chief Executive, Hong Kong Council of Social Service**, said “The Hong Kong Council of Social Service (HKCSS), the HKSAR Government, various welfare organisations and local R&D institutes, in particular LSCM, have been working together to increase public awareness of gerontechnology and to introduce several innovative services. The HKSAR Government also responded proactively to set aside one billion dollars to launch the ‘Innovation and Technology Fund for Application in Elderly and Rehabilitation Care’. The Fund has adopted the recommendation of the HKCSS expert group and included 64 product categories in its reference list. It is now receiving applications from concerned service units. With the introduction and application of more gerontech products, the quality of life of the elderly, people with disabilities, and their carers would be further enhanced.”

“Facing an inexorable growth in the ageing population in Hong Kong, our society is in need of technologies to support the elderly service industry so as to ease the pressure on the caretakers and reduce the manpower required. LSCM has therefore been proactive in developing a variety of gerontechnologies in the recent years,” said **Ir Victor Ng, Chairman of Technology Committee, LSCM**. “LSCM will continue its efforts in the research and development of innovations and technologies, fostering collaboration among the government, industry, academia and research institutes, as well as facilitating the commercialisation of research projects.”

At the Roadshow, LSCM and its partners are jointly showcasing their latest gerontechnologies and smart living technologies, aiming to further enhance the public’s awareness and understanding of the benefits of adopting technologies to cope with the challenges brought about by our ageing population. The Roadshow features a range of locally developed technologies and products including the Elderly Lifter, “Follow-Me” Wheelchair Robot & Platooning Technology, and the Multi-service Robot. Also being showcased are other award-winning



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technologies displayed earlier at renowned international invention exhibitions, namely, the RFID Blind Cane Navigation System, Ultra-Wideband Activity Monitoring System for Solitary Elderly and Infrared Thermal Sensing Safety Alert System for the Elderly. Buddhist Wong Wan Tin College is also participating in the event by demonstrating their award-winning “iWheel”, a motorised assistance device for manual wheelchairs developed by its students.

(Please see Appendix I for more information about the key technologies and products showcased in the Roadshow.)

The Roadshow also provides a platform for academia, industry and the community to adopt and embrace innovation and technology for efficiency and social well-being, aiming to make a momentous impact on the development and application of gerontechnologies in Hong Kong with the support from multiple sectors.

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About LSCM R & D Centre

The Logistics and Supply Chain MultiTech R&D Centre (LSCM) was founded in 2006, with funding from the Innovation and Technology Fund of the HKSAR Government, and is co-hosted by the University of Hong Kong, the Chinese University of Hong Kong and the Hong Kong University of Science and Technology. It aims to strengthen the local logistics sector and related industries by providing a one-stop resource for technology research and commercialisation, and to reinforce cooperation between the industry and research institutes, to bring about meaningful and significant benefits to the industry and the community. For more information, please visit: www.lscm.hk.

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Appendix 1: Key gerontechnologies and smart living technologies showcased in the LSCM Smart Living Gerontechnology Roadshow 2019

1. Elderly Lifter

Whether in a hospital, an elderly day-care centre, or at home, there are risks associated with taking care of elderly patients or people with disabilities, especially when they are in need of transfer assistance. Not only would the transfer process cause strain or injury to the patient, but also put the caretaker, who transfers the patient, in danger.

Jointly developed by LSCM and The Hong Kong Polytechnic University, the Elderly Lifter is an equipment that can reduce the risks during the transfer process. It can effectively help the patient to stand up. Its embedded multi-axis actuators can also simulate the human sitting and standing trajectory.

2. “Follow-Me” Wheelchair Robots & Platooning Technology

In order to help the people with disabilities when they are delivering heavy items and to minimise the risk of injury, LSCM has developed the smart “Follow-Me” Wheelchair Robots. Not only can the robots help to carry large and heavy objects, but also track and follow the users automatically. Configured with multiple sensors and advanced computer vision techniques, the robots can detect obstacles and stop automatically, thus ensuring the safety of the users.

A platooning technology has also been developed to facilitate the robots to follow and control each other intelligently. Linking two or more “Follow-Me” robots together can enhance efficiency and reduce the turnaround time of the delivery of the objects.

3. Smart Service Robots

To improve the quality of life of the elderly, LSCM has developed a series of Smart Service Robots, which are configured for various applications. The modular approaches make the robots easy to install different sensors and end-effectors for various applications. They can be easily configured for elderly home settings. Face recognition functions, as well as vital sign sensors are installed, including blood pressure monitor, SpO2 monitor and Infrared thermometer. They are also able to collect and report the health status of the elderly.

A power-assisted driving system is installed for easy manoeuvring in tiny areas/spaces.

Photo captions:

Photo 1:



Mr Simon Wong, Chief Executive of LSCM (1st left), Ms Annie Choi, JP, Commissioner for Innovation and Technology (2nd left), Ir Victor Ng, Chairman of the Technology Committee, LSCM (3rd left), Hon Charles Mok, JP, Legislative Councillor (4th left), Dr the Hon Lam Ching Choi, BBS, JP, Chairman of the Elderly Commission (5th right), Ir Dr the Hon Lo Wai-kwok, SBS, MH, JP, Legislative Councillor (4rd right), Mr Hermes Tang, CMSM, Commissioner of Customs and Excise (3rd right), Dr Chan Pak Li, Bernard, JP, Under Secretary for Commerce and Economic Development (2nd right), and Mr Chua Hoi Wai, Chief Executive, Hong Kong Council of Social Service (1st right), announced the commencement of the Roadshow.

Photo 2:



Ir Victor Ng, Chairman of Technology Committee, LSCM, said that the Centre will continue its efforts in the research and development of innovations and technologies, as well as facilitating the commercialisation of research projects.

Photo 3:



Dr the Hon Lam Ching Choi, BBS, JP, Chairman of the Elderly Commission, spoke at the Opening Ceremony of the Roadshow.

Photo 4:



Mr Chua Hoi Wai, Chief Executive, Hong Kong Council of Social Service, said at the Opening Ceremony of Roadshow, “The Hong Kong Council of Social Service, the HKSAR Government, various welfare organizations and local R & D institutes, in particular LSCM, have been working together, to increase public awareness of gerontechnology and to introduce several innovative services. The HKSAR Government also responded proactively to set aside one billion dollars to launch the ‘Innovation and Technology Fund for Application in Elderly and Rehabilitation Care’.”

Photo 5:



An orchestra performance by a group of talented and energetic elderly people kicked off the roadshow.

Photo 6:



Dr the Hon Lam Ching Choi, BBS, JP, Chairman of the Elderly Commission and other officiating guests witnessed local innovation and research achievements whilst visiting the exhibition area showcasing the latest gerontechnology and smart living technology.

Photo 7:



The Opening Ceremony also featured a demonstration of the “iWheel” device of Buddhist Wong Wan Tin College.