LSGI project received Silver Medal in Geneva Inventions Expo 2021

A press conference on awarded projects at this year's Special Edition 2021 Invention Geneva Evaluation Days - Virtual Event was held at office of Logistics and Supply Chain MultiTech R&D Centre (LSCM) on 22 April. The Silver Medal project "Seamless Navigation in Urban Environment" led by Prof. Wu Chen, Head of LSGI, was introduced in the event.

This technology was developed to improve mobile phone positioning accuracy. It enables the positioning to achieve an accuracy of 2 metres in open areas, and less than 10 metres in dense urban areas, for mobile phone-based and location-based services. It uses a position-domain DGNSS (Differential Global Navigation Satellite System) platform with an accuracy of 2 metres, the multipath mitigation engine with the integration of GNSS observation, Microelectromechanical Systems (MEMS) inertial sensors and a 3D map for greater accuracy in positioning.

Some of the press coverages:

發明展港獲四殊榮 抗疫電子手環奪金

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至於其餘三項銀獎分別為提高手機定位準確度的「城市無縫定位系統」，透過針對手機位置服務及定位位置服務而設計，分別提升手機在空曠地區，以及密集市區的定位精確度至兩米和十米以內；另有利用區塊鏈技術，允許保險業在獲得許可的情況下有效地共享和追蹤保單資料，同時為共享資料提供適當的訪問控制和私隱保護的「劃時代保險鏈」；以及透過光學雷達（Lidar）與室內地圖構建（SLAM）可在複雜和動態環境中行走的「具有端到端導航策略的遞送機械人」。

研發抗疫電子手環 物流及供應鏈多元技術研發中心奪日內瓦國際發明展金獎

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支援家居檢疫　創科署「居安抗疫」電子手環獲日內瓦發明展金獎

22-4-2021 HK01

中心另有 3 項技術獲得銀獎，包括利用差分全球導航衛星系統（DGNSS），並整合微機電系統（MEMS）慣性傳感器和街道三維模型的「城市無縫定位系統」；利用區塊鏈技術，允許保險業內各方之間在獲得許可的情況下有效率地共享和追蹤保單資料的「劃時代保險鏈」；以及光學雷達（Lidar）與室內地圖構建（SLAM）及深度學習路徑規劃的「具有端到端導航策略的遞送機械人」。