



From the left: Mr Michael LU (Speaker), KC LEE (Speaker) and Ir Raymond LUI

Technical Seminar: AI To Help The Disabled

Technical Seminar of “AI To Help The Disabled” was held on 18th December 2019 at the theatre in Hong Kong Productivity Council. ICT Section was pleased to welcome 33 participants to attend this technical seminar against all odds such as the unstable traffic.

Mr. KC Lee, holds degrees of B.Sc. and M.Phil. in Physics from The Chinese University of Hong Kong, and MBA from The Edinburgh Business School, the founder of imimr systems which is the winner of The Top 20 Hottest Artificial Intelligence Companies of 2019 from The CIO Advisor Magazine; Asia's Best Brand Award 2019 from CMO Asia; The Top 20 Artificial Intelligence Solution Providers of 2018 from The APAC CIO Outlook Magazine and AI Chatbot Solution Award from The 2017 China Robotics Industry Development Summit. KC introduced an AI solution for the disabled and explained the major components of the system such as data ingestion, AI Interaction Engine with Business Intelligence and AI UI Gateway. In fact, AI applications are not remote in our daily life. We could enjoy the benefits of AI in low profile such as data mining, object classification, trend forecasting and automatic counting. It could also serve the disabled in fair and efficient ways for their needs. The data ingestion process collects the data from the Open API (Open Data), Corporate Data, IOT & Device Data and Online & Social Media Data. The data is then stored and processed to facilitate the AI engine to conduct the text

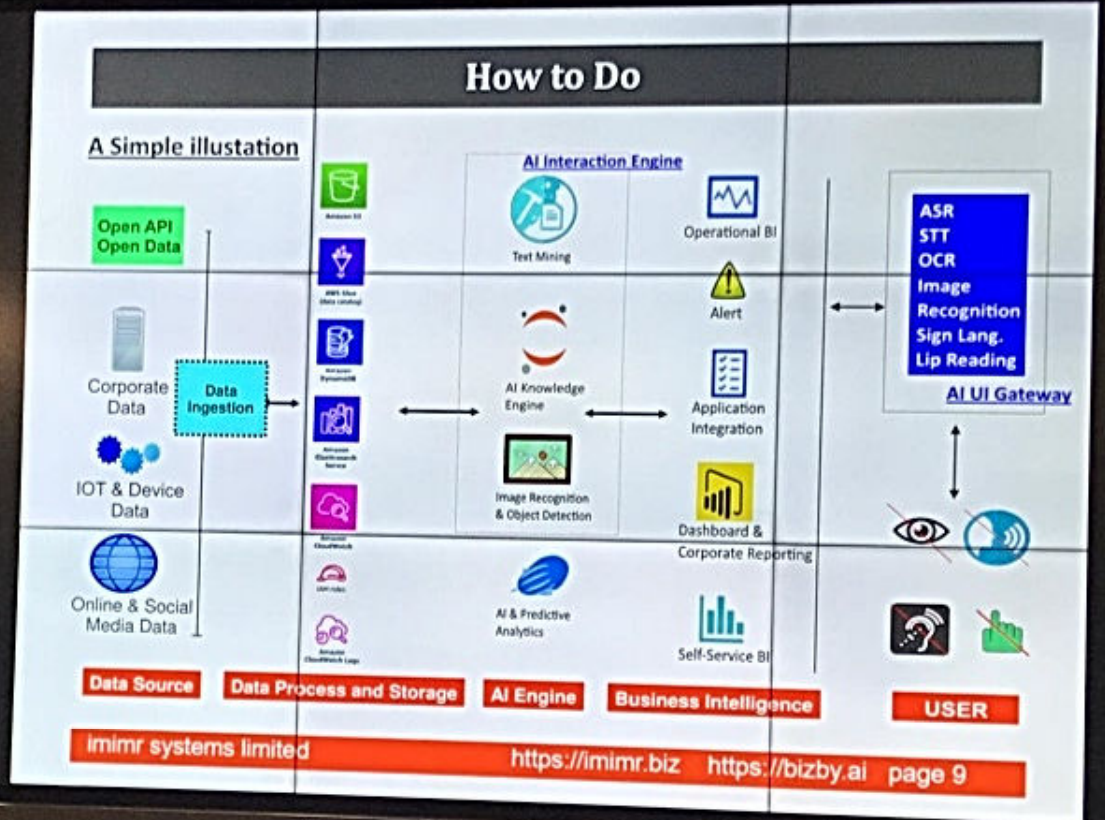
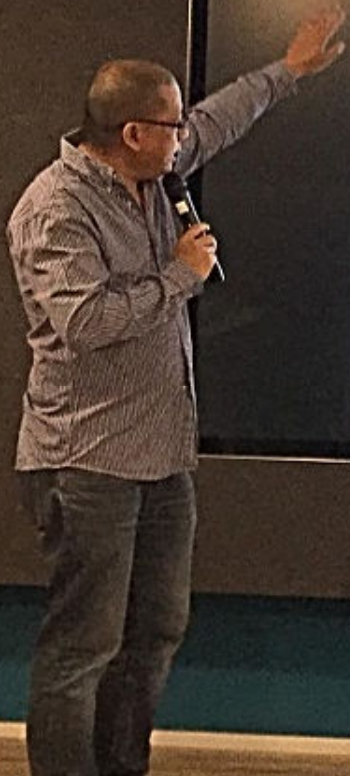
mining, AI knowledge engine provisioning and Image recognition & Object Detection. The AI UI Gateway would take the human-machine interface with the users in respect to their special needs.

Mr. Michael Lu, the second speaker, holds M.Sc. degree from The City University of Hong Kong and BA degree from The Shanghai University of Engineering Science. Michael illustrated the AI implementation through lip reading as the example by the deep learning techniques (Convolutional Neural Network CNN), Recurrent Neural Network (RNN) with the open data sets as the references (IBM ViaVoice and Lip Reading in the Wild). By combining the audio and visual speech recognition, it is possible to provide a reasonably acceptable real-time text (RTT) to the audiences who needs the hearing aid or even deaf.

The seminar was inspirational to the participants how to make use of the AI techniques to help the disabled. I would like to take this opportunity to express our gratitude to Mr LEE and Mr LU for the unreserved sharing their AI knowledge and experience especially in the “Questions and Answers” section. The suggestions and ideas were overwhelming from the audiences and the speakers shared their views one by one orderly. It is hoped that we could use AI technology in harmony.

Reported by Ir Raymond LUI
The Informatics and Control Technologies Section

Photo taken at the seminar



KC explained to the IET member how the most advanced AI technology can help the disabled