

KT • Views

轉移·視野

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July - August 2018

Report of The KT Sub-Office
Research and Development Office
The Education University of Hong Kong

View Inside

KT Sub-office organized two sessions of EASE Fund Introductory cum Sharing Sessions on 30 July and 24 August to provide details about EASE Fund application and insights about startups. More than hundred of EdUHK staff, students and alumni attended the sharing sessions.

Sharing Session on 30 July 2018

AESIR Institute Limited's co-founders were the guest speakers of the sharing session. They shared the experience in establishing and developing business in the area of educational innovation and technology.

The launch of EASE Fund was reported by [Sing Tao Daily](#) and [Lion Rock Daily](#).

Sharing Session on 28 August 2018

Representative of Po Leung Kuk was the guest speaker of this sharing session and shared the views on social innovation and business opportunities.



View Inside

Highlighted KT Project

Improving Mobile Phone Speech Recognition by Personalized Amplification: Application in People with Normal Hearing and Mild-to-Moderate Hearing Loss

Principal Investigator: Dr Kam Chi Shan Anna

(Assistant Professor / Department of Special Education and Counselling)

People with hearing loss require a favorable signal-to-noise ratio (SNR) for effective communications, particularly in complex listening situations. Research has indicated that people with severe-to-profound hearing loss require an average SNR of 15-25 dB in order to achieve the same level of understanding as a person with normal hearing.

Dr Kam and her team evaluated the effect of personalized amplification on mobile phone speech recognition in people with and without hearing loss and attempt to address the issue in a new approach with the emerging technology. Speech recognition was investigated in both quiet and in noise using Cantonese disyllabic words.

Their results demonstrated that the personalized amplification application provided better speech recognition via the mobile phone both in quiet and in noise for people with hearing impairment and people with normal hearing.

For people with hearing impairment using this amplification technology, the improvement in speech recognition is found more significant. According to their survey, more participants preferred to have the individualized gain than not to have it, which indicates the project success and further development could lead to significant beneficial effects to the community.

Knowledge Transfer Impacts

The personalized amplification application with mobile phone has the potential to improve speech recognition for people with mild-to-moderate hearing loss, as well as people with normal hearing, in particular when listening in noisy environments.



View Inside

KT Sub-Office supports academic and teaching staff to apply a variety of external funding

In July to August 2018, we handled...

External Funding Applications

3 LOCAL Funding Applications

- 1 Fisheries Enhancement Fund, The Airport Authority Hong Kong
- 2 Open Call for Health Care and Promotion Scheme

Successful External Funding

Projects of **3** academic staff were supported by local and international funds

- 1 project from Department of Department of Chinese Language Studies was funded by **Quality Education Fund**
- 1 project from Department of Social Sciences was funded by **The Lord Wilson Heritage Trust**
- 1 project Department of International Education and Lifelong Learning was funded by **International Baccalaureate Organization** in Switzerland



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