基本信息

编号ID：11

开始时间：2020-11-20 08:40:27   结束时间：2020-11-20 08:57:10

答题详情

1.Name of the Nominee

YONG XU

2.Job Title

Senior Research Scientist

3.Phone

+1-425-628-7869

4.Email

YONG.XU.USTC@GMAIL.COM

5.Website (if applicable)

https://sites.google.com/view/xuyong/home

7.Affiliation / Address

Tencent AI LAB

8.PhD year

2015

9.University where you obtained PhD

University of Science and Technology of China (USTC)

10.APSIPA membership grade

NONE

11.I confirmed my willingness to serve and perform duties according to the APSIPA's Bylaws, Polices and Procedures. I understand the responsibilities of a TC member, in particular reviewing papers for APSIPA ASC (about 10 papers), attending the yearly meeting of the TC, in addition to participating in the activities of the TC.

● Understand

基本信息

编号ID：11

开始时间：2020-11-20 08:40:27   结束时间：2020-11-20 08:57:10

答题详情

12.List of 5 publications/patents that are most relevant to APSIPA

[1] A Regression Approach to Speech Enhancement Based on Deep Neural Networks. [2018 IEEE SPS Best paper award] [citations: 760] [ESI highly cited papers] Yong Xu, Jun Du, Li-Rong Dai and Chin-Hui Lee, P. 7-19, Vol. 23, No. 1, IEEE/ACM trans. on audio, speech, language processing, 2015

[2] An Experimental Study on Speech Enhancement Based on Deep Neural Networks. [citations: 643] [ESI highly cited papers]
Yong Xu, Jun Du, Li-Rong Dai and Chin-Hui Lee, IEEE signal processing letters, p. 65-68, vol. 21, no. 1, January 2014

[3] Large-scale weakly supervised audio classification using gated convolutional neural network, [Rank 1st system in DCASE2017 challenge] [citataions: 143] Yong Xu, Qiuqiang Kong, Wenwu Wang and Mark D. Plumbley, ICASSP2018

[4] Multi-objective learning and Mask-based Post-processing for Deep Neural Network based Speech Enhancement. [citations: 79] Yong Xu, Jun Du, Zhen Huang, Li-Rong Dai, Chin-Hui Lee, Interspeech2015

[5] Neural Spatio-Temporal Beamformer for Target Speech Separation, Yong Xu, Meng Yu, Shi-Xiong Zhang, Lianwu Chen, Chao Weng, Jianming Liu, Dong Yu, Interspeech2020

13.Name of nominator

Prof. Jun Du (USTC, China)

14.Supporting Statement (not to exceed 600 words)

I was once Youg Xu's supervisor when he pursued his PhD degree in USTC. Dr. Xu has 2838 citations with H-index 23 on Google scholar. He once conducted important research on deep learning based speech enhancement. His paper "A Regression Approach to Speech Enhancement Based on Deep Neural Networks, IEEE/ACM trans. on ASLP 2015" achieved the 2018 IEEE SPS Best paper award. He also contributed to the sound event detection area where his submitted system ranked 1st in the audio tagging task of the DCASE 2017 challenge. His current work and publications on the multi-modal multi-channel speech separation/enhancement in Tencent also contribute to our speech signal processing society. I highly recommend APSIPA Technical Committee to consider Dr. Xu as a new Member.