基本信息

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答题详情

1.Name of the Nominee

Shih-Hau Fang

2.Job Title

Professor

3.Phone

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4.Email

shfang@saturn.yzu.edu.tw

5.Website (if applicable)

http://www.ee.yzu.edu.tw/?page_id=12896

7.Affiliation / Address

Yuan-Ze University/ 135 Yuan-Tung Road, Chung-Li, Taiwan 32003, R.O.C

8.PhD year

2009

9.University where you obtained PhD

National Taiwan University

10.APSIPA membership grade

Full Member

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

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

[1] Shih-Hau Fang, Chi-Te Wang, Ji-Ying Chen, Yu Tsao, and Feng-Chuan Lin, "Combining Acoustic Signals and Medical Records to Improve Pathological Voice Classification" APSIPA Transactions on Signal and Information Processing, vol. 8 (E14), June, 2019.
[2] Shih-Hau Fang, Chu-Chen Li, Wen-Chen Lu, Zhezhuang Xu, and Ying-Ren Chien, "Enhanced Device-Free Human Detection: Efficient Learning From Phase and Amplitude of Channel State Information" IEEE Transactions on Vehicular Technology, vol. 68, No. 3, pp. 3048-3051, Mar 2019.
[3] Shih-Hau Fang, Yu Taso., Min-Jing Hsiao, Ji-Ying Chen, Ying-Hui Lai, Feng-Chuan Lin, and Chi-Te Wang, "Detection of Pathological Voice Using Cepstrum Vectors: A Deep Learning Approach." Journal of Voice, vol. 33, no.5, pp.634-641, Sep., 2019.
[4] Shih-Hau Fang, Yu-Che Cheng, and Y.-R. Chien, "Exploiting Sensed Radio Strength and Precipitation for Improved Distance Estimation" IEEE Sensors Journal vol. 18, no. 16, pp. 6863-6873, Aug, 2018.
[5] Shih-Hau Fang, Wei-Hsiang Chang, Yu Tsao, Huang-Chia Shih, Chiapin Wang, "Channel State Reconstruction Using Multilevel Discrete Wavelet Transform for Improved Fingerprinting-Based Indoor Localization" IEEE Sensors Journal, vol. 16, no. 21, pp. 7784-7791, Nov., 2016.

13.Name of nominator

Yu Tsao

14.Supporting Statement (not to exceed 600 words)

Prof. Fang received his PhD degree from the Graduate Institute of Communication Engineering at National Taiwan University. Since then, he has been with Yuan-Ze University, where he is now a Full Professor and a deputy director of AI research center. Prof. Fang is an expert in positioning techniques and AI-enabled applications and has published many articles on these topics. He has published 2 book chapters, 7 patents, 45 journal papers and 56 conference papers, the majority of which are in top IEEE journals, including ToWC, ToC, TVT, ToMC, etc. With a quick search on google, we can see that he has accumulated over 2300 google citations. This shows his ability to effectively lead his students in research and these accomplishments are quite impressive.

Prof. Fang has received several awards for his research work, including the Young Scholar Research Award (YZU, 2012), Project for Excellent Junior Research Investigators (MOST, 2013), Outstanding Young Electrical Engineer Award (Chinese Institute of Electrical Engineering, 2017), Outstanding Research Award (YZU, 2018), Best Synergy Award (Far Eastern Group, 2018), Y. Z. Hsu Outstanding Professor Award (Far Eastern Y. Z. Hsu Science and Technology Memorial Foundation, 2019), Future Technology Award (MOST, 2019) and National Innovation Award (Research Center for Biotechnology and Medicine Policy, 2019). His team won the third place of IEEE BigMM (Multimedia Big Data) HTC Challenge in 2016, and the third place of IPIN (Indoor Positioning and Indoor Navigation) in 2017. Prof. Fang is also active in serving the research community, including the review of numerous journal articles and the participation in many technical program committees, including those of Globecom, ICC, VTC, PIMRC etc. He was an associate editor for IEICE Trans. on Information and Systems, and currently serves as guest editor for a special issue, machine learning and signal processing for IOT applications, of Applied Science.

In addition to theoretical research, Prof. Fang also has much industry experience, starting from being an engineer at Chunghwa Telecom for 7 years before he entered academia. His experience also triggered him to actively engage in industry collaboration, including those with Qualcomm, Foxconn, PTCom, HyXen Technology, Far Eastone International Bank, Far Eastone Telecommunications, Far Eastern Memorial Hospital, Max Way Electronics, ITRI etc. Prof. Fang is not only creative but also extremely active in pursuing his novel ideas. His solid research work is evidenced by his strong publication record and honors.