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Prof. Shao is Vice Chair of Division 5 (Electrochemical Process Engineering and Technology) of the International Society of Electrochemistry (2018-), and Treasurer of the Energy Technology Division of The Electrochemical Society (ECS, 2019-). He has published over 150 peer-reviewed articles with 13000 citations (Google Scholar), 1 edited book and filed over 30 international patent applications (16 issued). He is an Associate Editor of *Journal of the Electrochemical Society* (2017-), and Editorial Board Member of five other peer reviewed journals such as *Electrocatalysis*, *Journal of Applied Electrochemistry*, *Journal of Physics D: Applied Physics*, etc. He has also received a number of awards, including the Teaching Excellence Appreciation Award of School of Engineering at HKUST (2017), Supramaniam Srinivasan Young Investigator Award from the ECS Energy Technology Division (2014), Student Achievement Award from the ECS Industrial Electrochemistry and Electrochemical Engineering Division (2007), President's Award to Distinguished Doctoral Students from Stony Brook University (2006). He is one of the founding members of Young Academy of Science of Hong Kong.

Election Statement

Electrochemical engineering plays a central role in many industrial processes such as aluminium electrolysis, chlor-alkali process, fuel cells, batteries, waste water treatment, etc. It has been a dilemma that how do we, the researchers in academia, can really help industries improve the efficiency and durability, and reduce the operation cost. Many times we publish a lot of papers in top journals, but do not really help them out at all. I will try to close this gap by organizing more industrial oriented symposia and satellite conferences of ISE Annual Meetings. In these meetings, Co-organizers and I will assure to invite industry people to give lectures and even just attend the conferences so that we will have opportunity to learn the real problems in industry and discuss with them, and maybe have joint research project later on to solve these problems. I have been very active in ISE since 2014. For example, I helped Prof. Guohua Chen to organize the ISE Satellite Meeting of New Devices for Energy Conversion and Storage as the General Secretary in 2015. I have been the Vice Chair of Division 5 (Electrochemical Process Engineering and Technology) since 2018. In addition, I have also been active in ECS and Chinese Society of Electrochemistry (CSE). In 2016, I initiated the ECS Student Chapter at the HKUST, the first of its kind in the Greater China Region and served as its Faculty Supervisor. I was one of the co-organizers of the International Symposium on Energy and Environment, a joint event between ECS and CSE in 2017. As a faculty member based in Asia, I have a unique position to help attract more ISE members outside Europe, especially from mainland China and Hong Kong. I will initiate activities to enhance the relationship between ISE, ECS, and CSE. My enriched experiences in industry, national lab, and academia will also benefit the division. I look forward to having the opportunity to serve more effectively with other officers in the division and the whole Electrochemical Process Engineering and Technology community.