

IEEE TCBIS Chair Candidate

Liangzhao Zeng

Principal Data Scientist, Siri, Apple Inc.

Biography

Liangzhao Zeng is an IEEE senior member and a member of TCBIS. He received a Ph.D. degree in computer science from the University of New South Wales. Currently, he is a principal data scientist for Siri at Apple. His past roles include Research Staff Member, Chair of Cloud Computing PIC (Professional Interest Community) and Master Inventor at IBM research.

Dr. Zeng works in the areas of e-business engineering, big data, event-based system, cloud computing, data management and services engineering, with a focus on software infrastructure and data management issues. He was the first recipient of Service Science Achievement Award at IBM Research, for his influential contributions to the field of QoS-driven service composition and established a new research area of QoS Optimization. He is awarded IBM's Outstanding Technical Achievement Award twice, for his contribution and pioneering work in e-business engineering. He also holds multiple IBM invention achievement awards. He has co-invented over 50+ issued or pending patents, co-authored for 30+ technical publications, and has been referenced on 4000+ occasions.

Dr. Zeng has been an active member for TCBIS for over a decade. He has been contributed and organized many TCBIS sponsored conferences and workshops, including ICEBE, ICSOC, IWASC, etc. as an author, PC member, track chair and PC chair.

Position Statement

It is truly impressive how deeply business informatics and systems (BIS) stimulated and shaped computer science and IT industry in last decade. It inspired many of the most active frontier research areas today. For example, big data, web service, internet scale system, deep learning, just to name a few, are either originated from or greatly influenced by BIS.

Should I have the honor to serve as next TCBIS chair, I will continue the great work of the previous chairs, to work closely with Executive Committee and members, in order to: a) grow the audience and impact of TCBIS, and b) improve service quality for our members. To accomplish these goals, I will focus on:

1. Prompting and sponsoring new publication and forum paradigms such as technical blogs, webinars, meetup, hackathon and MOOC in sponsored events to further extend TCBIS outreach.

Traditionally, high-quality conferences are essential services to our members. With the current TC's efforts, TCBIS sponsors over thirty conferences and workshops a year. However, these forums are still mostly focused at an audience of researchers in academia and the participation/interaction is limited to the conference period. Furthermore, they lack of participation from industry practitioners, who can greatly impact BIS development with a huge

population of potential audiences for our community. Going forward, it is time to explore new publication and forum paradigms that are more accessible, for both researchers and industry practitioners. We should transform these sponsored conferences by adding new programs, such as technical blogs from PC track chairs, discussion forums moderated by the authors, tutorials in a format of MOOC, and hackathons that tackle emerging challenges, etc. Such transformation will not only allow conference organizers, authors and attendants to more deeply involve in events, but also sustain conversations even after the conferences end. Further, these transformed conferences and workshops will not only become sustainable venues that allows TCBIS members to continuously publish, learn, network, and lead, but also provide attractive virtual venues that integrate into members' daily professional activities. Ultimately, these virtual outreach platforms will gather academic researchers, industry practitioners and entrepreneurs together to tackle the new opportunities and challenges in an evolving field.

2. Maintain and improve scientific quality and practicality of all TCBIS sponsored events and publications.

In fact, this is the cornerstone to strengthen the TC's leadership in BIS community among academic researchers, industry professionals and entrepreneurs. In particular, should TCBIS promote new event paradigms in sponsored conferences, it is important to have guidelines to guarantee their scientific quality. We should continuously transform our sponsored activities to serve the evolving needs of community members.

I believe that my experience as both researcher and industry practitioner gives me a penetrating insight into the needs of both perspectives. I am looking forward to having the chance to serve this community.