Phillip Sheu
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BIOSKETCH

A fellow of IEEE, Sheu is currently active in research related to semantic computing, robotic computing, and complex biomedical systems. He has published two books, Intelligent Robotic Planning Systems, and Software Engineering and Environment - An Object-Oriented Perspective, and he is a co-editor of Semantic Computing (IEEE Press/Wiley). He also has published extensively in object-relational data and knowledge engineering, semantic computing, robotic computing, and biomedical computing. He is the founder of the Institute for Semantic Computing and Robotic Computing, the IEEE International Conference of Semantic Computing, the IEEE Computer Society Technical Committee on Semantic Computing, and the Knowledge Societies, an accredited member of UNESCO/USFUCA. He is the founding editor-in-chief of the International Journal of Semantic Computing and the Encyclopedia with Semantic Computing, and a co-founder of the IEEE International Conference of Multimedia Big Data, the IEEE International Conference on Robotic Computing, and the Bay Area Multimedia Forum.

POSITION STATEMENT

Semantic Computing (SC) is Computing based on Semantics ("meaning", "context", "intention"). It addresses all types of resources including data, document, tool, device, process and people. The scope of SC includes analytics, semantics description languages and integration, interfaces, and applications (e.g., biomed, IoT, SDN, robotics, search engines, question answering, big data, and services.)

As the founding chair of TCSEM, I have a strong passion and am strongly committed to the success of SC. If elected, I will

1) Support ICSC (International Conference on Semantic Computing), the flagship conference of the TC, and support existing and new conferences in the Computer Society and other IEEE societies that are related to Semantic Computing (e.g., ICTAI, BigMM, Robotic Computing);
2) Collaborate closely with other societies and communities (e.g., ACL, W3C, AAAI) to ensure broader participation;
3) Work closely with other organizations (e.g., UNESCO) to encourage participation from under developed countries/regions;
4) Provide and promote educational activities to substantiate the impact of Semantic Computing;
5) Help to promote journals related to Semantic Computing, and to organize new journals, books, magazines, and online publishing on knowledge related to Semantic Computing;
6) Promote and help to organize more university-industry collaborations;
7) Publish monthly newsletters and an active web portal to provide information such as technological advances in the field, CFPs, new jobs, funding opportunities, and volunteering opportunities;
8) Actively recruit new members through local workshops, international conferences, special journal issues, editorial boards, organizing committees, advisory committees, etc.