IEEE TCBIS Chair Candidate

Hui Lei
Senior Manager, Cloud Platform Technologies Department
IBM T. J. Watson Research Center, USA
http://www.research.ibm.com/people/h/hlei

Biography

Hui Lei holds a Ph.D. in Computer Science from Columbia University. He is Senior Manager of the Cloud Platform Technologies Department at the IBM T. J. Watson Research Center, a member of the IBM Academy of Technology, and leads IBM’s worldwide research strategy in next-generation cloud infrastructure and platform services. His past leadership roles at IBM include Strategy Consultant for worldwide research in Distributed Computing and in Programming Models and Tools, global research lead of Connectivity and Integration Middleware, Manager of the Messaging and Event Systems Department, and Manager of the Cloud Management Services Department. He also holds a Visiting Professor appointment at Sun Yat-sen University in China.

Dr. Lei’s research interests include service-oriented computing, business process management, cloud computing, and mobile computing. He has led many successful research projects and delivered major innovations to numerous IBM software and service products. His work has been recognized as IBM Research Accomplishments and an IBM Outstanding Research Accomplishment, reported in more than 250 mainstream media outlets, and featured in an IBM commercial aired on national television. He is a recipient of multiple Outstanding Technical Achievement Awards, multiple Publication Achievement Awards, and multiple Invention Achievement Awards from IBM, and has over fifty issued or pending patents to his credit.

Dr. Lei is an active member of the international research community. In particular, he has made significant contributions to the IEEE Computer Society Technical Committee on Business Informatics and Systems (TCBIS). In 2005, he was inaugural PC Co-Chair of the IEEE International Conference on e-Business Engineering (ICEBE), one of the key conferences sponsored by TCBIS. He also served as PC Co-Chair of ICEBE in 2007 and 2012, and a Track Chair of ICEBE 2010. He was elected Chair of TCBIS in 2012. As Chair of TCBIS, he co-founded a new conference series – the IEEE International Conference on Cloud Engineering (IC2E), and served as PC Co-Chair of IC2E 2013 and General Co-Chair of IC2E 2014. Outside TCBIS, his recent professional activities include PC Co-Chair of the 34th International Conference on Distributed Computing Systems (ICDCS 2014), Associate Editor of the IEEE Transaction on Cloud Computing, Editor of the Springer Journal of Service-Oriented Computing and Applications, and Steering Committee Member of the IEEE Cloud Computing magazine.

Position Statement

It is an exciting time to work in business informatics and systems, as the community is presented with both opportunities and challenges. Enterprises and their IT systems are a critical element of our rapidly developing digital society. There is an ongoing need to push towards new frontiers of business modeling, automation, monitoring and analytics technologies, in order to evolve enterprise applications and exercise business controls more effectively. Furthermore, advances in IT have given rise to new paradigms of enterprise computing: socially synergistic business processes, integration of cloud-hosted and on-premise enterprise applications, real-world-aware business solutions, and business intelligence driven by big data and cognitive technologies, just to name a few. It is gratifying that business informatics is a fertile ground for research with potential for immense and tangible impact on society.

I have had the privilege of chairing TCBIS over the past two years. When I started, I defined the following priorities for TCBIS: (1) promoting partnerships across academia, industry, and government; (2) nurturing the next generation of researchers and practitioners; and (3) providing high-quality outlets for technical work. Looking back on these two years, I am pleased to say that, thanks to the relentless efforts of our volunteers, we have successfully executed our initial ideas and have, in many aspects, exceeded them. Our established conferences have continued to grow and evolve themselves in order to better address the needs of our community. In addition, we have sponsored multiple new conferences, and have thereby significantly broadened the reach of TCBIS. Today, TCBIS sponsors over thirty conferences and workshops a year. These conferences and workshops have provided ample opportunities for publishing, learning, networking, leadership, and service, which are especially of value to the younger members of the community. The industry summits held in conjunction with our conferences have proved to be an effective model to facilitate the interaction among different segments of our community and to connect academic research with industry transformation. We should all take great pride that the IEEE Computer Society has recognized the success of TCBIS with the highest designation in the society’s annual vitality review.

There is still much to do. I would be honored to be able to lead this wonderful community for a second term. If re-elected, I will continue best practices of the past and look for new creative ways to increase the vitality of our organization. I will strive to further improve the quality of our conferences, grow our community, and expand opportunities for the membership. I will strengthen collaboration with other organizations such as sister TCs, IEEE Special Communities, and ACM. I will work to reduce costs while increasing services, and provide additional benefits to students and young members. I will continue to involve academia, government, and industry in our initiatives, and foster member participation at the global scale.

I sincerely ask for your continued support. I look forward to the opportunity to help TCBIS reach a new level of professionalism, growth, and influence.