

Laurence Yang

Biosketch:

Dr. Laurence T. Yang got his BE in Computer Science and Engineering from Tsinghua University, China and Ph.D in Computer Science from University of Victoria, Canada. He is a professor in Department of Computer Science of St. Francis Xavier University, Canada, and a fellow of Canadian Academy of Engineering. His research includes parallel and distributed computing, embedded and ubiquitous/pervasive computing, and big data.

He has published around 300 international journal papers in the above areas, of which half on top IEEE/ACM Transactions and Journals, others mainly on Elsevier, Springer and Wiley Journals. He has been involved actively in conferences and workshops as a program/general/steering conference chair and numerous conference and workshops as a program committee member. He served as the vice-chair of IEEE CS Technical Committee of Supercomputing Applications (2001- 2004), the chair of IEEE CS Technical Committee of Scalable Computing (2008-2011), and the chair of IEEE CIS Task force on Ubiquitous Computing and Intelligence (2009-2013). He was in the steering committee of IEEE/ACM Supercomputing conference series (2008-2011), and was in the National Resource Allocation Committee (NRAC) of Compute Canada (2009-2013), as well as the scientific committee chair (2012-2013) for Engineering, Mathematics and Computing Science of Compute Canada. He was the vice-chair (2014) and the chair (2015) of IEEE Canada Atlantic Section.

In addition, he is the editors-in-chief of several international journals.. He is serving as an editor for many international journals (such as IEEE Systems Journal, IEEE Access, Future Generation of Computer Systems (Elsevier), Information Sciences (Elsevier), Information Fusion (Elsevier), Big Data Research (Elsevier), etc). He has been acting as an author/co-author or an editor/co-editor of more than 25 books from well-known publishers. The book "Mobile Intelligence" from Wiley 2010 received an Honorable Mention by the American Publishers Awards for Professional and Scholarly Excellence (The PROSE Awards). He has been invited to give around 35 keynote talks at various international conferences and symposia.

Position Statement:

I would like to take this chance to run for the position of TC Chair of TCSC from Jan 2018 to Dec 2019. I sincerely ask for your kind vote and continued supports.

I served as vice-chair of IEEE CS Technical Committee of Supercomputing Applications (2001-2004), the chair of IEEE CS Technical Committee of Scalable Computing (2008-2011). I have extensive experiences on conference organizations by involving in more than 10 IEEE TCSC sponsored conferences as the conference steering chair. I also have been invited for numerous conferences/workshops, including many IEEE CS conferences, as a program committee member. I have supported and involved all TCSC activities for conferences, have had many contacts with IEEE CS Volunteer Services Coordinators, other TC chairs and conference organizers, this makes me quite familiar with all rules and regulations of IEEE CS, not only in conference activities, but also in other aspects.

As the Technical Committee on Scalable Computing (TCSC) has already emerged as one of the most successful TCs within the IEEE Computer Society, it is important to maintain that leadership and at the same time create new innovative programs to further enhance for the benefit of its members and the overall community. I am fully committed myself in next two years as the TCSC chair, if elected, with the executive committee to realize the following objectives effectively, and to assist our members friendlier to maintain their competitive edge, and to bring in some fresh perspectives and out-of-the-box solutions.

The following key program and initiatives are my plan for our general members:

1. Continue to support the existing premier conferences. To minimize duplication of effort or proliferation of unsustainable conferences to ensure the quality and vitality of each of our sponsored TCSC conferences. Additionally,

establish the IEEE TCSC best paper and best student awards at each sponsored conference and the overall TCSC Journal and Test-of-Time paper awards to attract the top research work presented and exchanged at the conferences and within TCSC community. Continue the well-reputed TCSC awards for Early Career Researcher, Middle Career Researcher, Technical Achievement and outstanding Ph.D Thesis, respectively.

2. Improve an effective, convenient and state-of-the-art TCSC Web portal to let our community members feel it is one of most important/comprehensive resource center for their careers and for all technical aspects of scalable computing and allied technologies as well as for their applications to relevant interdisciplinary domains.

3. Keep running the widely distributed weekly digest to its members, namely IEEE TCSC digest, a weekly collection of articles, CFP, funding opportunities and job advertisements on topics related to Scalable Computing. Index of all archived issues of the digest can be browsed via the TCSC web portal as well.

4. Promote industry forums to be hosted at TCSC conferences to develop better links between industry and academia. Focus on substantially increasing the involvement level of industrial and governmental members into various activities related to conferences, resources, news and the sponsorships.

5. Actively participate in the Society's Technical Activities Board and ensure that the needs of our members are recognized and met, and explore deeper collaborations with other sister/related technical committees resulting in a much higher level of clout and synergy for our community.

6. Actively seek more and more new and energetic volunteers (either younger and senior) to involve in the technical committee to contribute their new ideas and fresh perspectives. Recognize their contributions by nominating them for various IEEE TCSC service awards.

7. Attract more student members into the TCSC community through the connections in the China such as CCF and others Asian countries such as Korea, India etc. due to their large and still fast going CS student populations.

Although this seems like a long list of objectives to be achieved, I am confident of realizing them with your kind support and trust.