



IEEE Computer Society

President-Nominee for 2017 President-Elect (2018 President)

Hironori Kasahara

Voting: <https://www.computer.org/web/election>

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POSITION STATEMENT

The importance of technologies related to the IEEE Computer Society (CS) has been increasing to realize more convenient, efficient, and comfortable ways of life, such as deep learning, the Internet of Things (IoT), big data, security, smartphones, smart cities, self-driving automobiles, medical image processing, robotics, reliable software, disaster survival servers, high-performance computing, and so on. Promoting these advanced technologies through research, education, conferences, publishing, member service, standardization, awards, and historical archiving is the CS's mission.

Numerous invaluable volunteers have supported all of the CS's activities. Having 35 years of membership and volunteer work experience, I think it is crucial to express our appreciation to these volunteers more explicitly.

On the other hand, international technical societies including the CS have problems, such as the decrease of membership and competing with various new activities on the Internet.

Taking into account these facts, we should rethink the CS's roles, significances, and capabilities for our future. Examples include: refining content and services to further improve the satisfaction of CS members,

- considering an incentive for volunteers to further accelerate CS activities and promptly provide technical benefits for people around the globe,
- offering more attractive services for practitioners in industry,
- providing the world's best educational content and historical treasures for future generations, which only the CS can create with our pioneering researchers (for example, the Multicore Compiler Video Series found at www.computer.org/web/education/multicore-video-series),
- thinking about sustainable membership fees while considering the diversity of economic situations within the 10 regions,
- cooperating with other IEEE societies and sister societies in a timely and efficient manner, and
- intelligibly introducing the latest computer-related technologies to younger generations, including children, so that they can realize their technological dreams.

I believe my 35 years of research experience on multiprocessors, multicores, parallelizing compilers, scheduling, and power reduction, along with my 30 years of experience in academia, industry, and government collaborations, including a startup, would be useful for the CS to create advanced products and services that are attractive to both young and experienced members and potential members.

For more information, please visit www.kasahara.cs.waseda.ac.jp/kasahara.html.en.

(The opinions on this page are mine and are not necessarily those of the IEEE Computer Society or the IEEE.)