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IEEE CIS VP-Publications Vision Statement

It is a great honor and a privilege for me to serve as the Vice President for Publications of the IEEE Computational Intelligence Society (CIS). Publication has been one of the most important assets of CIS. At present, CIS publishes a range of admirable transactions, a magazine and an IEEE Press/Wiley book series on Computational Intelligence (CI). More information about each of these publications can be found at <https://cis.ieee.org/publications>.

I started my involvement in CIS publications since 2010, when I was appointed as the Editor-in-Chief (EiC) of the IEEE Computational Intelligence Magazine (CIM) from 2010 to 2013, and later as the EiC of the IEEE Transactions on Evolutionary Computation (TEVC) from 2015 to 2020. I have also served as an elected member of CIS AdCom from 2014 to 2019, which is a body responsible for governing and administering the Society. It has been a great experience for me during these 10 years, and an opportunity to grow personally and professionally by working closely with many respected and outstanding CIS volunteers to serve and contribute to the CI community.

As the Vice President for Publications, I am responsible for coordinating and

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monitoring the publication activities of CIS, including serving as the chair of the Publications Committee. My predecessor, Prof. Jim Keller, has done a great job and helped to set up a new publication of IEEE Transactions on Artificial Intelligence in 2020. CIS publications are now well regarded by many scholars as the premium venue for dissemination of their research outputs in computational intelligence. In particular, our three premier transactions, the IEEE Transactions on Neural Networks and Learning Systems, the IEEE Transactions on Fuzzy Systems and the IEEE Transactions on Evolutionary Computation, have high impact factors and rank at the top of IEEE publications in their categories.

During my term, I hope to work with the Publications Committee on the following aspects:

❑ **Outreach:** It is important to proactively reach out to the fast-growing AI and data science communities to promote CIS publications and to invite potential authors from new areas (including those from the industry) to contribute and partici-

pate in CIS activities, for which smart-X, cyber physical systems (IoT) and big data analytic communities can be part of the initiative. This will not only help to grow the number of contributed papers and memberships of CIS, but will also increase the quality and diversity of papers published in our transactions.

❑ **Membership:** The products and services offered by CIS should be responsive and able to create added value for the diverse needs of its memberships. For example, CIS publications should develop relevant programs and services targeted to practitioners, young professionals, women, etc. It is also important to engage young professionals and to establish an CIS leadership path in publication for them, such as encouraging young professionals to volunteer as a reviewer, and after some experience, as an Associate Editor for our publications.

❑ **Open Access (OA):** Open access publishing is gaining popularity as institutions and researchers are seeking newer avenues to make research

finding accessible to all. There are also archives and repositories for which authors can rapidly publish research outputs they wish to share without going through a rigorous review process. Although IEEE has been significantly growing OA in response to these challenges, we

could examine how the IEEE OA models can be better implemented for CIS publications, e.g., Gold OA or hybrid, and how we can ensure high quality of research published in OA articles.

Finally, I strongly encourage you to proactively contribute and participate in

CIS publication activities, such as sending your best research work to the CIS transactions and magazine, reviewing papers and/or serving as an Associate Editor for CIS publications. If you are interested in being involved in the activities or have any suggestions for CIS publications, please do not hesitate to contact me.

Pau-Choo (Julia) Chung
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IEEE CIS VP-Education Vision Statement

It is my great pleasure and honor to serve as the Vice President for Education of the IEEE Computational Intelligence Society (IEEE CIS). Education is one of the most empowering forces for uplifting a society, opening up the opportunity, and building a better future. Humans' recent leap on technology advancement is also attributed to the high accessibility of education resources. Education serves as one key for IEEE CIS for inviting young generation and more people to be familiar with CIS techniques. With this privileged opportunity to serve on this education role, I would put my best efforts to continue the excellent works which have been done by the previous VP for Education, to enrich the resources and establish a friendly platform for learning CIS techniques. I would also particularly emphasize the education of young generation and continuing education for CIS techniques outreach to a broader spectrum of people.

My first contact with computational intelligence started with my Ph.D. studies, and since then I have regularly participated in the activities of IEEE CIS.

Education is one of the most empowering forces for uplifting a society.

My first service as a conference organization member was as the Program Chair of the International Artificial Intelligence Neural Networks Conference in 1995. In 2005, when the IEEE Tainan Section was established, I founded one of the first local chapters, the IEEE CIS Tainan Chapter, under the IEEE Tainan Section and served as the founding Chapter Chair. I organized several society activities and strengthened the interactions of members under the IEEE CIS umbrella. Due to the frequent interaction with CIS, I became aware of an urgent need for IEEE CIS website reformation and was invited to serve as the CIS website master for two years on reforming the CIS website and the Grant Application system. Later I served as a CIS AdCom member for two consecutive terms. I witnessed the establishment of WCI and participated in the activities organized by Bernadette, the WCI founder. Later I was invited to serve as the Chair of WCI and set up broader reception activities within CIS flagship conferences. I also served as the

Chair of the Distinguished Lecturer Program (DLP) and recently, the Vice President for Members Activities. These positions allow me to have closer contact with the young generations and the local chapters, knowing better of the CIS membership status, its strengths and faced challenges. I am convinced that education to allow people to be familiar with CIS and its techniques is the most powerful and effective approach connecting with them. I therefore took a lead to having the CIS Newsletter revised, with the assistance of Chuan-Kang Ting, the Newsletter Editor at that moment. The redesigned CIS Newsletter not only has a much more attractive layout but it also gives an education corner highlighting CIS techniques through selected CIS papers.

During my serving as VP for Members Activities, I have more opportunities to be in close contact with the young generations. Education for the future generations, particularly for high school students and undergraduates, has gradually attracted my attention. There