

**Candidate for Member-at-Large**  
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**John Kim**

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**BIOGRAPHY**

John Kim is currently a professor in the School of Electrical Engineering at KAIST (Korea Advanced Institute of Science and Technology) in Daejeon, Korea. He received his B.S/M.Eng from Cornell University and his Ph.D. from Stanford University in Electrical Engineering. He has worked as a microprocessor design engineer at Intel and Motorola, contributed to the interconnection networks architecture at Cray, and was a visiting researcher at Hewlett-Packard Labs and Facebook. His research interests include computer architecture, interconnection networks, security, and mobile systems. In particular, his research addresses the challenges in designing efficient, scalable large systems with an emphasis on data movement or the communication component in modern digital systems.

John is currently serving as the Associate Editor-in-Chief of IEEE Computer Architecture Letters (IEEE CAL) and is also serving on the editorial board of ACM Transactions on Architecture and Code Optimization (TACO) and IEEE Micro magazine. Along with other colleagues, John helped to co-found the ACM SIGARCH chapter in Korea. He has served as an executive committee member for IEEE TCCA (2019-2021), and served on program committees of many conferences, including ISCA, HPCA, MICRO and ASPLOS. John has also served as the Technical Program Chair for HPCA 2024 conference as well as served as the General Co-chair for HPCA 2021-22. He has received the Google Faculty Research Award and the Microsoft-Asia New Faculty Fellowship.

## **STATEMENT**

I am honored to be nominated as a candidate for Member-at-Large. I have been an ACM member since grad school and would welcome the opportunity to contribute to ACM and give back to the ACM community. ACM has grown internationally, especially in Asia. As a Member-at-Large, my vision is to ensure that the diversity of the community is reflected both in terms of opportunity through ACM as well as in terms of promoting service and volunteering opportunities. Over 10 years ago, a few colleagues and I noticed increasing interest in computer architecture locally in Korea, both in terms of academia and industry. We took the initiative of founding the ACM SIGARCH Korea chapter to better serve the local community and foster a community that did not exist. Similarly, I hope to promote closer collaborations globally between industry and academia, not only within the same domain but also across different disciplines in computing.

Having served as the General Co-Chair for two recent virtual conferences in the computer architecture community, I understand some of the challenges (as well as benefits) of virtual conferences. Even though we are returning to in-person conferences, I believe conferences should be more accessible through lower registration fees for students and (some) online presence. The online component should be leveraged to better engage the community, especially those who might not always be able to travel to conferences.

The impact of IT and computing on our lives continues to grow and impact many aspects of our daily lives. While there are positive benefits, there are also risks and negative side effects that can have severe consequences. I hope to initiate discussion on these challenges across disciplines to ensure that risks (and their associated challenges) can be properly addressed. As an ACM Member-at-Large, I will be committed to representing the ACM community and drive forward the initiatives that will help strengthen the ACM organization.