

December 8, 2020

SUBJECT: President of KISTI (Dr. Soonwook Hwang)

I am writing in strong support of Dr. Hwang's candidacy for President of the Korea Institute of Science and Technology Information (KISTI). I have known Dr. Hwang for many years, beginning with his work on computational grids as a graduate student at USC, where he worked with one of my collaborators, Professor Carl Kesselman.

Since then, I have watched Dr. Hwang emerge as one of the world's foremost leaders in computational science and high-performance computing (HPC). He is widely respected as a researcher in HPC, reflected not only by his publication record in international conferences and journals, but also by his participation and leadership in the global HPC community. He is one of the "go to" individuals for insights and perspectives, not only about advanced computing developments in Asia, but as a thoughtful shaper of global HPC policies and technology practices. His leadership in KISTI's deployment of advanced computing systems has also elevated KISTI's profile.

In an increasingly global science and technology enterprise, Dr. Hwang's connections to other leaders – in Japan, China, Europe, and the United States – are major assets for KISTI and its intellectual pursuits. I believe building on these connections can only benefit KISTI as it continues to crafting pillars of excellence in advanced computing and information technologies.

I would be remiss if I did not also comment on Dr. Hwang's leadership skills. I have regularly seen him participate as an equal with some of the world's more esteemed and powerful figures in computational science. In complex situations requiring delicacy and diplomacy, I have been impressed by his ability to navigate among competing personal agendas and personalities, finding common ground while artfully making his own perspectives understood.

In summary, I believe Dr. Hwang is precisely the kind of leader who can build on KISTI's success and elevate the institution to new heights. He has my highest recommendation for the KISTI Presidency.

Regards,



Daniel A. Reed  
Senior Vice President for Academic Affairs (Provost)  
Professor of Computer Science & Electrical and Computer Engineering

**Biographical Sketch – Daniel Reed**

Daniel A. Reed is the Senior Vice President for Academic Affairs (Provost) at the University of Utah. Previously, he was the University Chair in Computational Science and Bioinformatics, and Professor of Computer Science, Electrical and Computer Engineering, and Medicine at the University of Iowa, where he also served as Vice President for Research and Economic Development. Prior to that, he was Microsoft's Corporate Vice President for Technology Policy and Extreme Computing, where he helped shape Microsoft's long-term vision for technology innovations in cloud computing and the company's policy engagement with governments and institutions worldwide.

Before joining Microsoft, he was the founding director of the Renaissance Computing Institute (RENCI) at the University of North Carolina at Chapel Hill, with joint faculty appointments at Duke and North Carolina State University. At UNC-CH, he also served as Chancellor's Eminent Professor and Vice Chancellor for Information Technology. Prior to that, he was Gutgsell Professor and Head of the Department of Computer Science at the University of Illinois at Urbana-Champaign (UIUC), as well as Director of the National Center for Supercomputing Applications (NCSA). He was also one of the principal investigators and chief architect for the NSF TeraGrid, which became NSF XSEDE.

Dr. Reed is the chair of Section T (Informatics) of the AAAS. He currently is a member of the U.S. National Science Board (NSB), which provides oversight for the U.S. National Science Foundation, chairs the Department of Energy's Advanced Scientific Computing Advisory Committee (ASCAC), chairs the National Academies Panel on Computational Sciences at the Army Research Laboratory, and serves as a member of the scientific advisory committee for Argonne National Laboratory.

Dr. Reed has served as a member of the U.S. President's Council of Advisors on Science and Technology (PCAST) and the U.S. President's Information Technology Advisory Committee (PITAC). He has served on the National Academies Board on Global Science and Technology, the International Telecommunications Union CTO Council, the Advisory Committee for Electronic Records for the National Archives, and the ICANN Generic Names Supporting Organization Council. He is the past chair of the Board of Directors of the Computing Research Association (CRA), which represents PhD-granting computer science departments in North America, and currently serves on its government affairs committee. As chair of CRA, he was one of the co-founders of the Computing Community Consortium (CCC).

Dr. Reed is a Fellow of the ACM, the IEEE, and the AAAS. He received his B.S. from Missouri University of Science and Technology and his M.S. and Ph.D. from Purdue University, all in computer science.