

Dong-Yun Kim - Candidate for CWS President-Elect



Candidate's statement

If I am elected as President, I will promote CWS and increase its membership within US and at the international level. My core strategy to achieve the goal can be summarized as: Communication and Connection (C&C). Building on successful efforts by the current and former presidents, I will focus on effective communication by strengthening online presence, and by utilization of networking among the Caucus members in academia, industry, US federal agencies, and other professional organizations.

As we have experienced during the COVID-19 pandemic, online communication can be an effective and efficient tool to reach a wide audience, much less hindered by geography or nationality. Based on my experience as KWiSE NIH Chapter President, I found that online forums can serve multiple purposes, including improved name recognition and increased sponsorship.

When I am elected, I will propose a new CWS Forum and a CWS Career Forum. Since the statistical science is increasingly specialized and novel methods are constantly developed, it takes much more effort just to keep informed. In the CWS Forum, scientists can share their knowledge with a wide audience who are either unaware of such research, or with similar research interests but not easily reachable by other means. The forum could serve as a contact point for future collaboration or new direction for research.

In the CWS Career Forum, established senior or mid-career professionals from diverse background can share their experience with Caucus members so that the audience can avoid potential pitfalls in career move and be inspired and encouraged through the experience. Also members can learn more about diverse career opportunities, not just in academia but also in government and industry. I view the CWS Career Forum as a useful addition to existing mentoring effort as well as networking opportunity.

Current position(s)

- Mathematical statistician at the Office of Biostatistics Research within National Heart, Lung, and Blood Institute (NHLBI) at the National Institutes of Health (NIH), Bethesda, Maryland
- Adjunct associate professor at the Department of Psychiatry and Behavioral Medicine, Virginia Tech Carilion School of Medicine in Virginia

Degrees

- Ph.D in Statistics from the University of Michigan, Ann Arbor in 2003 (Advisor: Prof. Michael Woodroffe)

CWS activities

Since 2016, I have been serving the Caucus in various capacities including first responder for the CWS mentoring program, and serving on the Program and Nominations committees. When on the Program committee, I organized CWS-sponsored invited and contributed sessions at JSM between 2019 and 2021. Recently, I submitted a proposal for an invited session at ENAR 2022. I was the organizing committee chair for one of the Florence Nightingale Days in 2020 in collaboration with CWS and ASA.

Other professional activities

Presently I am serving as the organizing committee chair for the KWiSE Forum Series on COVID-19, a US and South Korea joint effort covering topics in vaccine development, diagnostics, and therapeutic methods. Also I am leading a webinar series on Data Science, Bioscience, and Eco Science, in collaboration with Korean Women Scientists and Engineers (KWSE), the South Korean counterpart to KWiSE in US.

Biography

I am a mathematical statistician at the Office of Biostatistics Research within National Heart, Lung, and Blood Institute (NHLBI) at the National Institutes of Health (NIH), Bethesda, Maryland. I am also serving as an adjunct associate professor at the Department of Psychiatry and Behavioral Medicine, Virginia Tech Carilion School of Medicine in Virginia. I received Ph.D in Statistics from the University of Michigan, Ann Arbor in 2003 (Advisor: Prof. Michael Woodroffe). Before I joined NIH, I had a faculty position at Virginia Tech.

My research interests include fully sequential monitoring in clinical trials, change-point inference, statistical genetics and bioinformatics. Currently I am involved in several large NHLBI-sponsored clinical trials, and intramural projects in pulmonary disease and cancer research. I have years of experience in collaborative research in other areas including COVID-19, bioengineering, and environmental science.

I was Associate Editor for Communications for Statistical Application and Methods, and served on Statistical Advisory Board for PLOS One. I am the NIH Chapter President for the Korean-American Women in Science and Engineering (KWiSE) and a member of the Board of Directors, Korean International Statistical Society (KISS). I am a member of ASA and IMS, and a lifetime member of CWS and KISS.