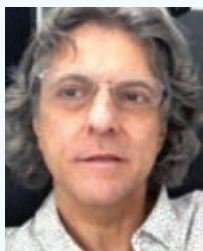


WISE Internship Program Alumni

Throughout ASTM International's 125th anniversary celebration, Standardization News is looking back on some of the many individuals who received awards, participated in programs, or otherwise contributed to the next generation of standards. In this issue, we highlight two past participants in the WISE internship program.



Dennis C. Frezzo 1985 WISE Intern



Dennis C. Frezzo, Ph.D., is a learning scientist who works as a senior lecturer at the University of Maryland, College Park, School of Information Studies (iSchool). He currently teaches courses in networking, user-centered design, the Internet of Things (IoT), and the history of the

Apollo program, and he is hoping to include cloud computing, cybersecurity, and robotics.

“Participating in the WISE program in 1985 was a tremendous experience. I made a life-long friend. My career interests broadened to many different aspects of the social implications of technology. I am very grateful for the mentorship I received from ASTM and from the WISE program at a formative stage of my career. Participating in WISE with ASTM’s support has influenced my career as a graduate student (three times, as I earned my M.S.E.E., M.A. in education, and Ph.D. in educational psychology); as a development engineer; as a learning scientist developing programs, curricula, software, and games; and as a teacher, instructor, and now university lecturer.”

H. Alex Hsain 2018 WISE Intern



H. Alex Hsain, Ph.D., is a materials scientist. She holds a doctorate in materials science and engineering from North Carolina State University, where she designed and studied electronic material properties at the atomic scale using highly sensitive analytical techniques. Hsain is

interested in designing low-cost and sustainable electronic materials, widening participation in STEM education, and advocating for evidence-based policy for a wide range of technical and non-technical audiences.

“The WISE program opened my eyes to the inner workings of D.C. I completed the WISE program right before starting my Ph.D. in 2018—a pivotal moment for me—as it gave me exposure to the opportunities to look for, and the courage to create opportunities where they didn’t yet exist. While in grad school, I continued to tether engineering to policy. I co-founded a science policy “think tank” with a great group of grad students who shared my interests, and I led our student team to win a policy memo competition in 2020, exploring the topic of paid parental leave and the STEM workforce. Since finishing my Ph.D. in August 2022, I’ve joined McKinsey & Company as an associate in the Charlotte, NC office. Currently at the Firm, I’m bridging the gap between semiconductors and public policy – which just so happen to be two of my favorite topics.” ■