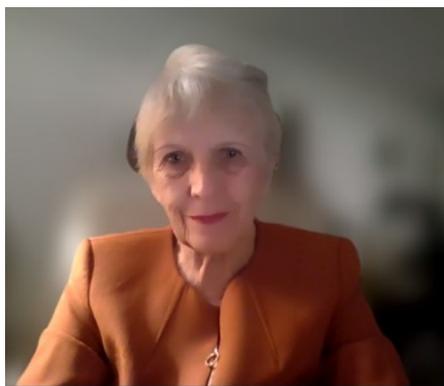


**PROMOTING SUSTAINABLE NANOTECHNOLOGY**  
**Barbara Karn, Ph.D.**

Executive Director and Co-Founder  
The Sustainable Nanotechnology Organization (SNO)



**Abstract:** The presentation will address the purpose and work of the Sustainable Nanotechnology Organization, a non-profit professional society promoting research, education, and responsibility in sustainable nanotechnology.

**Bio:** Dr. Barbara Karn is Executive Director and Co-founder of The Sustainable Nanotechnology Organization (SNO). She retired as a program director at the National Science Foundation, managing research grants in the environment, health and safety of nanotechnology and spent a year teaching as adjunct faculty at George Washington University. Prior to joining NSF, she was an environmental scientist at EPA where she built and managed a research grant program in nanotechnology and the environment--both applications and implications--and brought nanotechnology into EPA's programs and mission. Through the interagency Nanoscale Science and Technology subcommittee of the Office of Science and Technology Policy, she led workshops to build consideration of the environment and human health in other government agency research programs related to nanotechnology.

Dr. Karn was named one of the Top Ten Experts in nanotechnology environment, health and safety issues by Nanotechnology Law and Business. She was given an ACS award for her 10 years in leading the symposium on Nanotechnology and the Environment and co-founded SNO. She served as a senior advisor to the project on Emerging Nanotechnologies at the Woodrow Wilson International Center for Scholars focusing on "Green" nanotechnologies—including using green chemistry, green engineering and environmentally benign manufacturing to make new nanomaterials and products or using nanotechnology to prevent pollution in current processes. She served as the Nanotechnology Scholar for Georgetown University's Program on Science in the Public Interest and held visiting scientist positions at the University of South Carolina and Tongji University in Shanghai. She has served on the editorial boards of two sustainability-related journals. Dr. Karn is considered a foremost pioneer in environmental and sustainable nanotechnology.