



Siegfried S. Hecker

Dr. Hecker is co-director of the Stanford University Center for International Security and Cooperation, Senior Fellow of the Freeman Spogli Institute for International Studies, and Professor (Research) in the Department of Management Science and Engineering. Joining the Los Alamos National Laboratory as a technical staff member in the Physical Metallurgy Group in 1973, he has served as Chairman of the Center for Materials Science and Division Leader of the Materials Science and Technology Division prior to becoming Director of the laboratory. Dr. Hecker began his professional career as a senior research metallurgist with the General Motors Research Laboratories in 1970 after two years as a postdoctoral appointee at Los Alamos. Dr. Hecker received his B.S. in metallurgy in 1965 and M.S. in metallurgy in 1967 from Case Institute of Technology and his Ph.D. in metallurgy in 1968 from Case Western Reserve University.

Dr. Hecker's research interests include plutonium science, nuclear weapon policy and international security, nuclear security (including nonproliferation and counter terrorism), and cooperative nuclear threat reduction. Over the past 20 years, he has fostered cooperation with the Russian nuclear laboratories to secure and safeguard the vast stockpile of ex-Soviet fissile materials. His current interests include the challenges of nuclear India, Pakistan, North Korea, and the nuclear aspirations of Iran. Hecker works closely with the Russian Academy of Sciences and is actively involved with the U.S. National Academies. He is member of the National Academies Committee on International Security and Arms Control Nonproliferation Panel. He served on the National Academy of Engineering Council and International Affairs Committee.

Dr. Hecker is a member of the National Academy of Engineering, Foreign Member of the Russian Academy of Sciences, Fellow of the American Physical Society, Fellow of TMS (Minerals, Metallurgy and Materials Society), Fellow of the American Society for Metals, Honorary Member of the American Ceramics Society, Fellow of the American Academy of Arts and Sciences and Fellow of the American Association for the Advancement of Science. Among other awards, Dr. Hecker received the American Physical Society Leo Szilard Award (2011), the Eugene L. Grant Award for Excellence in Teaching (2010), the Presidential Enrico Fermi Award (2009), the American Nuclear Society Seaborg Medal (2004), the Department of Energy's E. O. Lawrence Award (1984), the Los Alamos National Laboratory Medal (2008), the Acta Materialia J.

Herbert Hollomon Award (2004), the Case Western Reserve University Alumni Association Gold Medal (2004), and the New Mexico Distinguished Public Service Award (1998). He previously served on the Board of Regents of the University of New Mexico and the Board of the Carrie Tingley Hospital.