Robert Socolow is professor emeritus and a full-time member of the senior research staff in the Department of Mechanical and Aerospace Engineering at Princeton University. In his research he seeks new conceptual decade-scale frameworks that are useful for climate change policy. With colleagues he introduced “stabilization wedges,” “one billion high emitters,” “committed emissions,” and “destiny studies.” He is engaged with multi-disciplinary efforts to anticipate key issues associated low-carbon futures, including analyses of energy efficiency in buildings, wind and solar power, nuclear fission and fusion power, CO2 capture and storage from fossil fuels and the air, impacts on the land when biocarbon is priced, and technological “leapfrogging” by developing countries. He is a member of the American Academy of Arts and Sciences, an associate of the National Research Council of the National Academies, a fellow of the American Physical Society, a fellow of the American Association for the Advancement of Science, and the recipient of the Leo Szilard Lectureship Award by the American Physical Society. He earned his Ph.D. from Harvard University in theoretical high energy physics in 1964 and joined the Princeton University faculty in 1971.