



UNITED STATES
COAST GUARD
ACADEMY

Saul Krasner Memorial Science Lecture Series

***Global Climate and Energy:
New Technologies in Transportation and Building Design***

Dr. Daniel Prober

***Department of Applied Physics, Physics and Electrical Engineering
Yale University***

The challenges faced in our global climate have become important and recognized issues in many areas, including national policy. The availability of new technologies and change use patterns that will facilitate significant improvement in the future outlook. We outline some of the new approaches undertaken in building design at Yale, in transportation, including the Elon Musk Hyperloop, magnetic levitation, and hydrogen-fueled cars, and in renewables. Demonstrations of these will be given, with some useful demo handouts.

***Tuesday, February 18th, 2020
8 - 9 PM: Dimick Hall Auditorium
U.S. Coast Guard Academy***

Dr. Prober is a Professor of Applied Physics, Physics and Electrical Engineering at Yale. His main research interests are in nanosystems, superconductivity, quantum noise and ultrasensitive photon detectors. Dr. Prober is a Fellow of the American Physical Society, and has received two NASA research invention awards and two Fulbright Fellowships. He has also received a number of IBM Faculty Awards, and recently was awarded a Lifetime Achievement Award from the IEEE, for Research in the Field of Applied Superconductivity. His teaching ranges from a graduate course on superconductivity to seminars on ‘Science of Modern Technology and Public Policy’ and ‘Energy, Technology and Society’, the latter primarily for non-science majors. He has graduated 40 PhD and MS students at Yale, who have gone to a large variety of technical and academic positions.

Dr. Prober’s website is <http://proberlab.yale.edu/>

If you have any questions regarding the event, please contact LT Trip Fernandes (860-701-6129 / jay.c.fernandes@uscga.edu) for more information.