



UNITED STATES COAST GUARD ACADEMY

Science Lecture Series

New Energy Technologies for a Green Planet

Dr. Daniel Prober

*Departments 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 changed use patterns 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.

Wednesday, January 21st, 2026

2000 - 2100

Dimick 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.

**If you have any questions regarding the event, please contact Dr. Kanani K. M. Lee
(kanani.km.lee@uscga.edu) for more information.**