Optical Turbulence in the Ocean

The established view of diver visibility has been mainly focused on the effects of particles or turbidity of the water. The influence of optical turbulence due to variations of ocean temperature and salinity is shown to contribute to the degradation, through model and field validation. Lab setup of a simulated environment, and future directions, especially the newly invented fiber optics ocean sensors with UNL, will also be discussed.

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Seminar hosted by Dr. Ming Han, UNL Department of Electrical and Computer Engineering