

Shallow water acoustic propagation in the South China Sea

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3:00-3:30 pm Coffee Hour

3:30-4:30 pm Seminar

Abstract

The Office of Naval Research (ONR) has funded a number of field experiments in the Asian Seas over the last two decades in collaboration with Taiwanese, Korean and Chinese colleagues. This talk provides a phenomenological discussion of physical and acoustical observations made with Taiwanese colleagues on the continental shelf and across the shelf break of the South China Sea. Of particular interest is the physics of acoustic propagation through non-linear internal waves, characterized in terms of mode coupling behavior and 3D refraction.

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