

CIUOT

ASADA LAB.

[Development of Exploration System for Sea Resources]

Centre for Integrated Underwater Observation Technology

Underwater Acoustic Systems Engineering

Department of Ocean Technology, Policy, and Environment,
Graduate School of Frontier Sciences

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Exploration for Sea-floor Hydrothermal Deposit

We develop new underwater acoustic technologies for exploration of sea resources. The acoustic device (SONAR) is equipped on the autonomous underwater vehicle, and used to get high resolution bathymetric map and detect layers under the sea bottom. This project collaborates with JAMSTEC and NMRI, etc..

Acoustic Monitoring for Underwater Vegetation and Fish

Monitoring for underwater environment using high resolution acoustic video camera.

Acoustic Visualization Under Sea Bottom

Nondestructive evaluation method in sediment. The environment under water bottom will be revealed by this new acoustic visualization technology.

International Collaboration for "Sea Conservation"

We are monitoring the marine environment using the recent eco-sensing technologies in south-eastern Asia. This project collaborates with local college, NGO, and volunteers.

Collaboration with local college

