Underwater Technology Collaborative Research Center

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ASADA LAB

[Advanced Underwater Acoustic Imaging]

Underwater Technology Collaborative Research Center

http://unac.iis.u-tokyo.ac.jp

Underwater Acoustic Systems Engineering

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

Advanced Underwater Acoustic Imaging

Visualization opens new idea for underwater world

Acoustic wave plays active roles in water. Asada Lab. has been developing a variety of advanced methods for measuring and imaging underwater phenomena with acoustics.

- Sonar systems for seafloor resources
- Shape measurement, classification, internal structure analysis techniques for underwater objects

Sonar system for seafloor resources







Seafloor topography measured by Interferometric synthetic aperture sonar

Ultrasonic inspection for Acoustic monitoring for water structure









Japanese crucian carp





Swimming Dugong at Philippine coast.

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