YOKOTA LAB.

[Underwater Real-time Informatics]

Center for Integrated Underwater Observation Technology

Underwater Information System

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Underwater Information by Marine and Satellite Monitoring

Based on underwater and satellite observation technology, we develop GNSS-A technology and contribute to disaster prevention engineering, ocean monitoring, fisheries science and others. Our research aims to create new data and discovery of new usages, especially in real-time.

In cooperation with several institutes and researchers, we promote these research topics:

① Seafloor geodesy technology called GNSS-A & ocean application of GNSS
② Earthquake disaster prevention
③ Seafloor surveying technology
④ Realtime ocean monitoring technology

Fig1: GNSS-A system
Fig2: Sensors & coupling condition along the Nankai Trough
Fig3: Installation of GNSS-A transponder
Fig4: Experiment of Multibeam-echosounder
Fig5: Ocean monitoring UAV
Fig6: Sea landing UAV

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