

Center for Integrated Underwater Observation Technology

[Fusion of Ocean Cyber and Physical Systems]

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

Graduate School of Engineering; Systems Innovation, Mechanical Engineering,

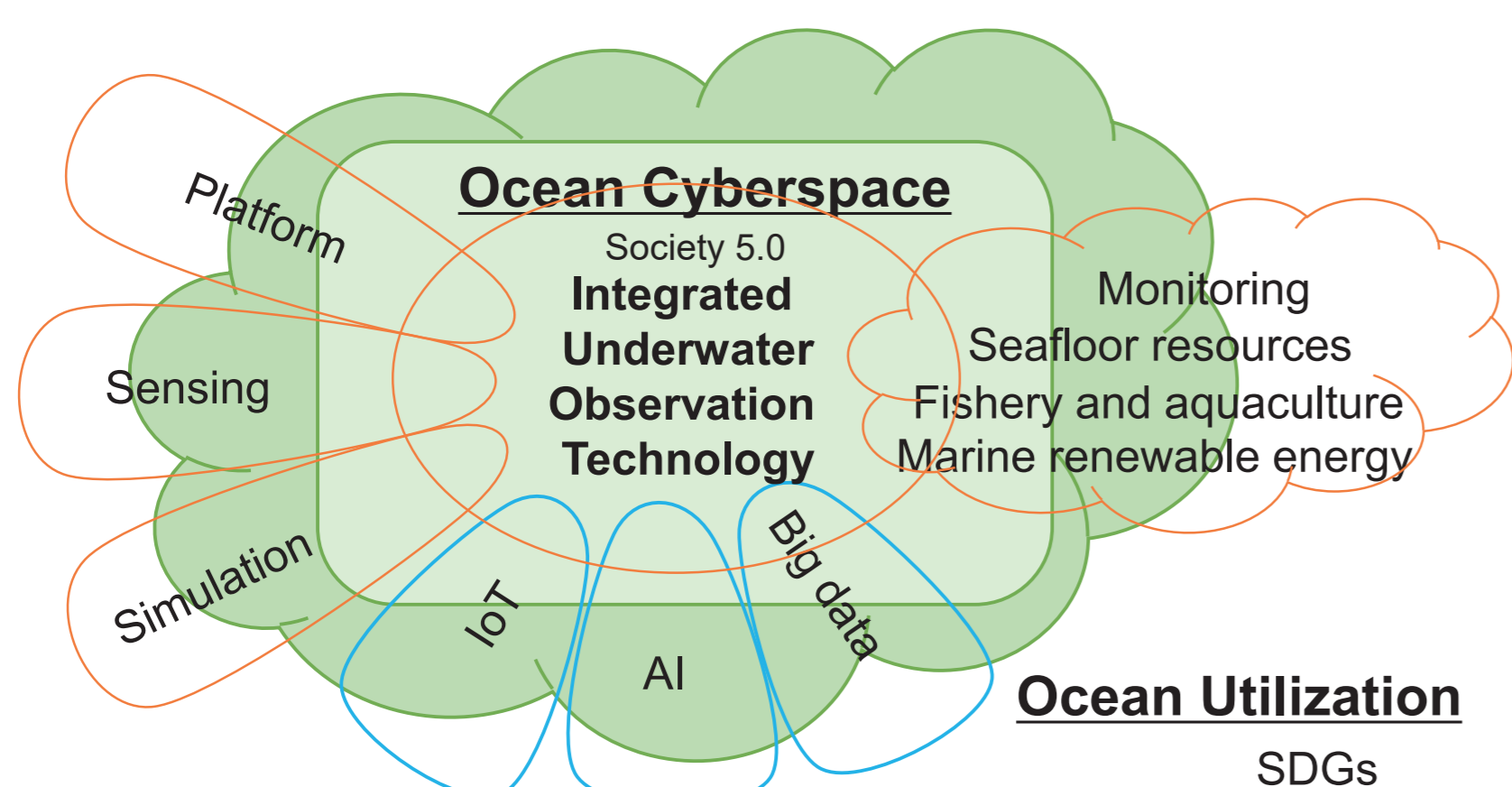
Electrical Engineering and Information Systems, Information and Communication Engineering

Graduate School of Interdisciplinary Information Studies; Interdisciplinary Information Studies

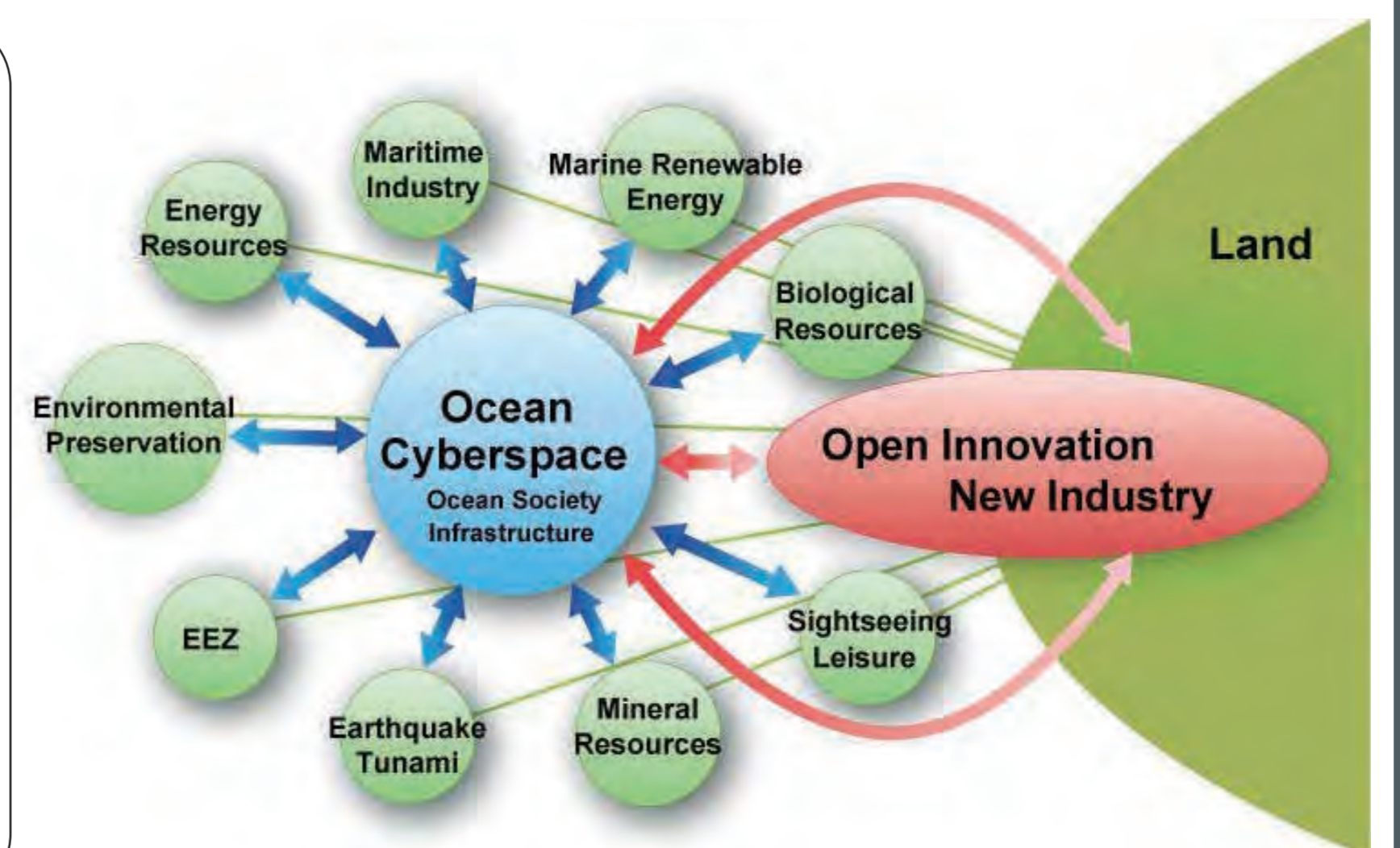
<http://seasat.iis.u-tokyo.ac.jp/>

Toward the Construction of Ocean Social Infrastructure

Ocean Social Infrastructure

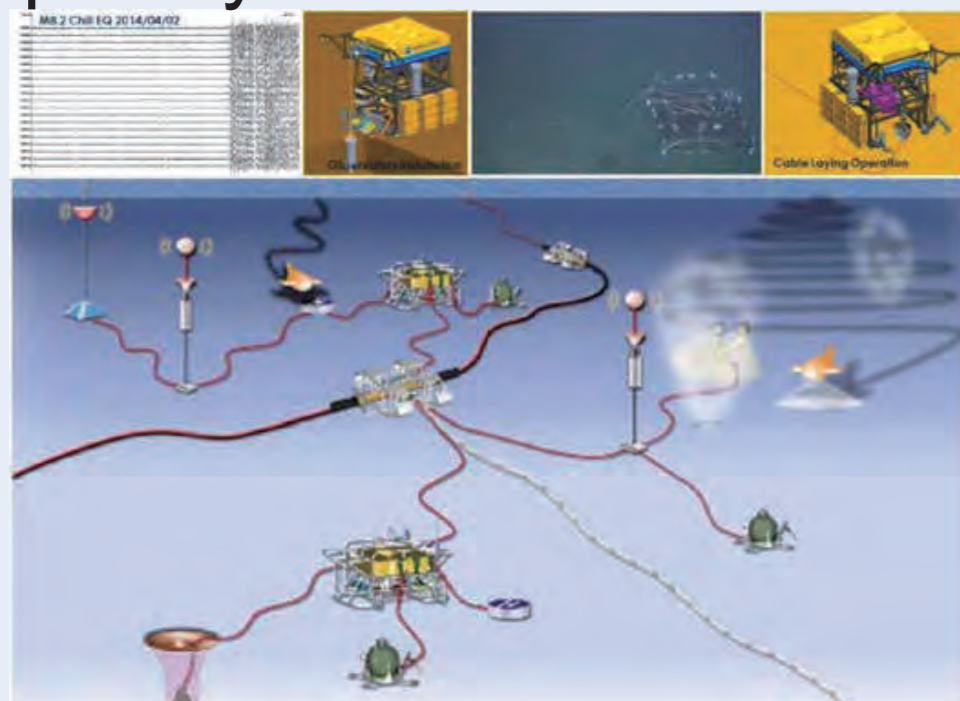


Based on integrated underwater observation technology, we aim to create an ocean cyberspace (virtual space) that is integrated with the physical space of the ocean (real space) and is free from the restrictions of access difficulties by incorporating IoT, artificial intelligence (AI), and big data technology.



Ocean Sensing System KAWAGUCHI Katsuyoshi Lab.

Multidisciplinary Seafloor Observatory Engineering

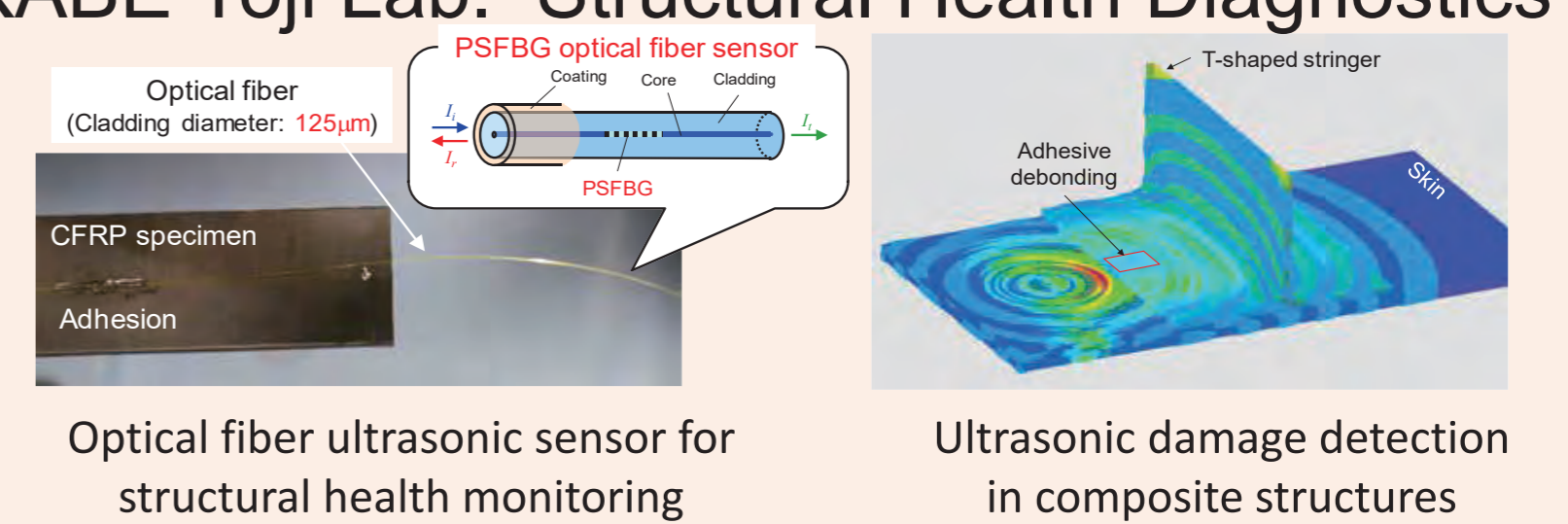


RHEEM Chang-Kyu Lab. Ocean Environmental Engineering

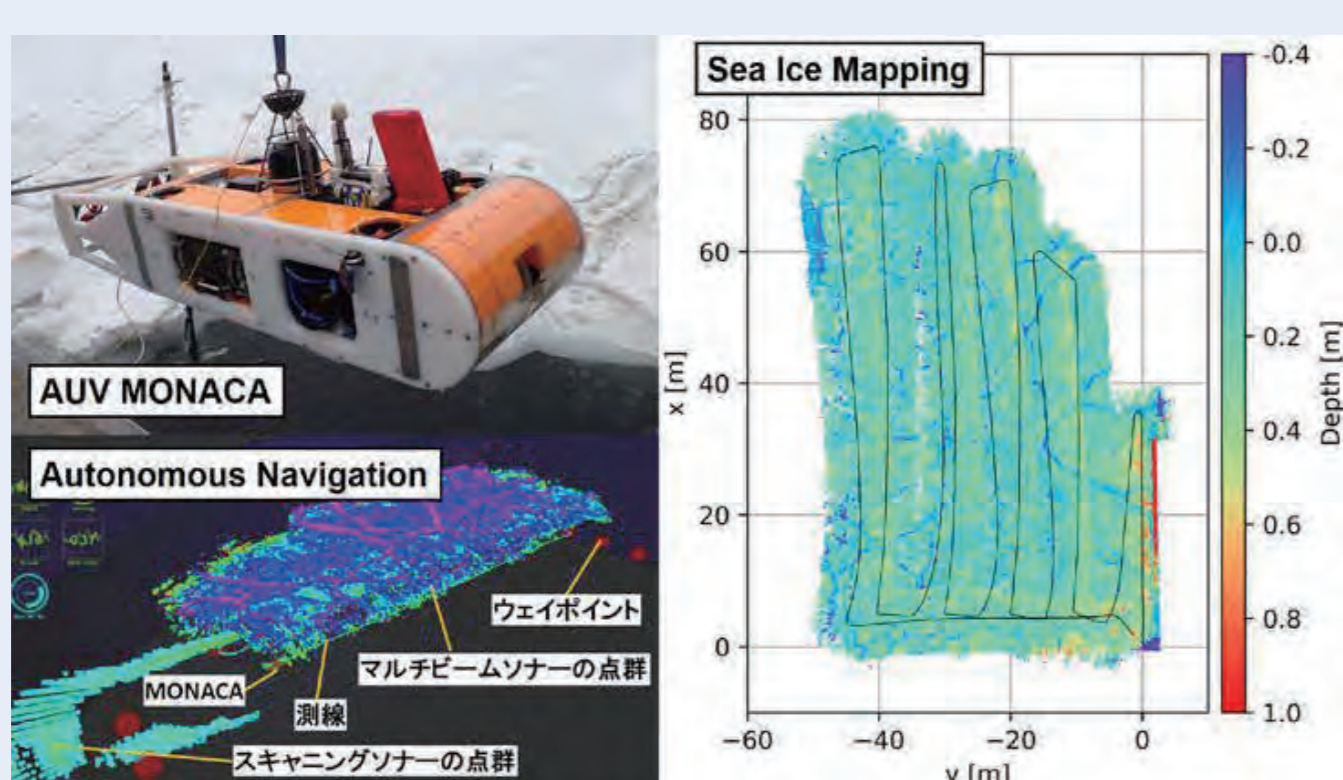


Ocean Cyber-Physical System

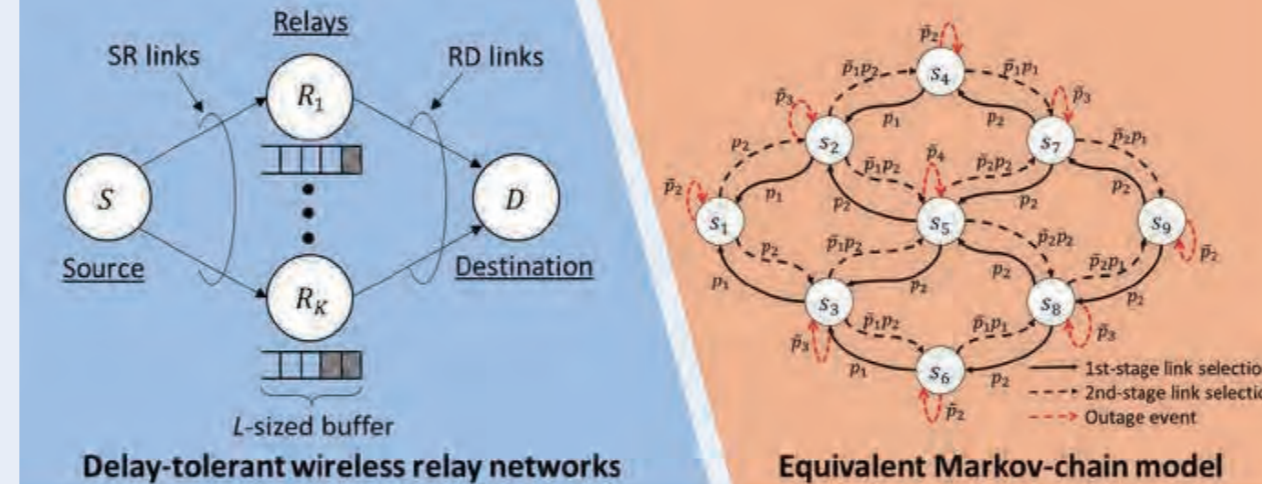
OKABE Yoji Lab. Structural Health Diagnostics



MAKI Toshihiro Lab. Underwater Platform Systems



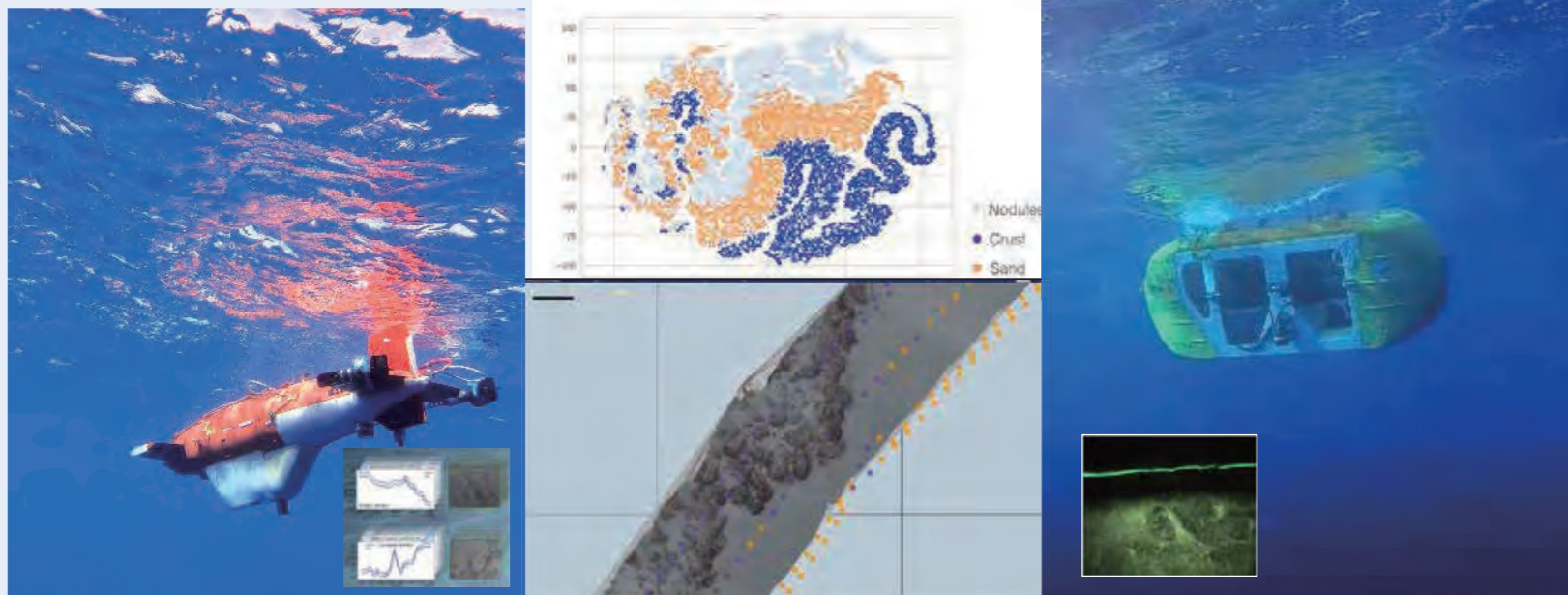
SUGIURA Shinya Lab. Wireless Communication Networks



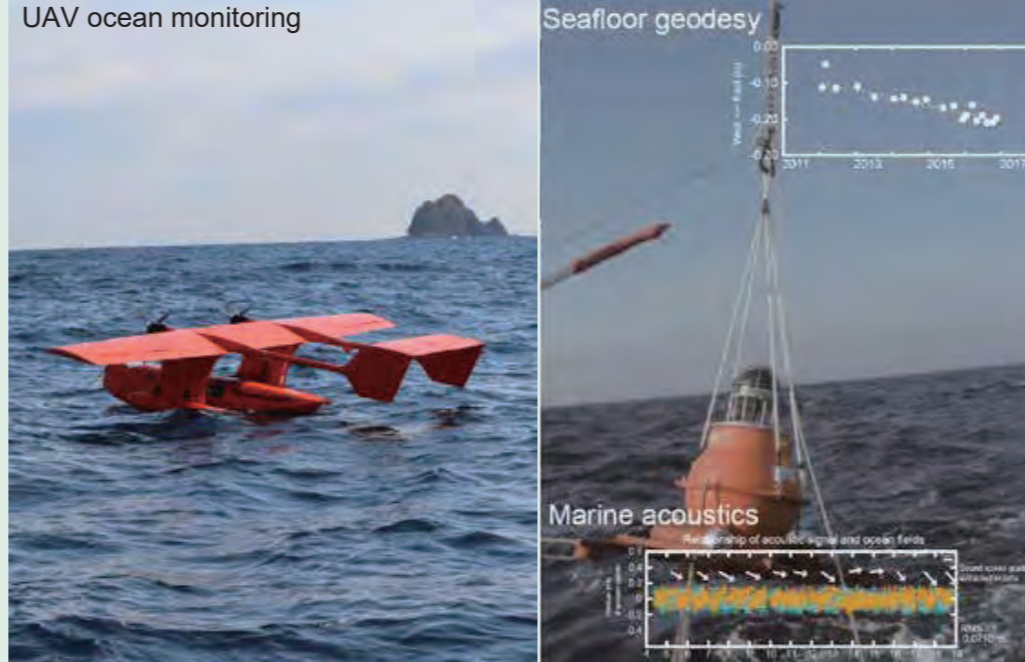
OISHI Takeshi Lab. Spatiotemporal Media Engineering



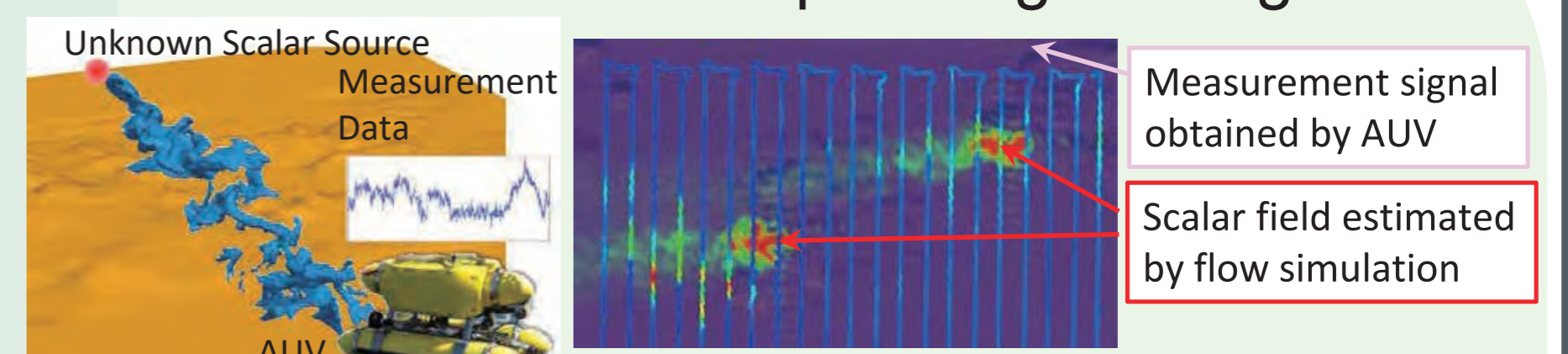
THORNTON Blair Lab. Underwater Photonics



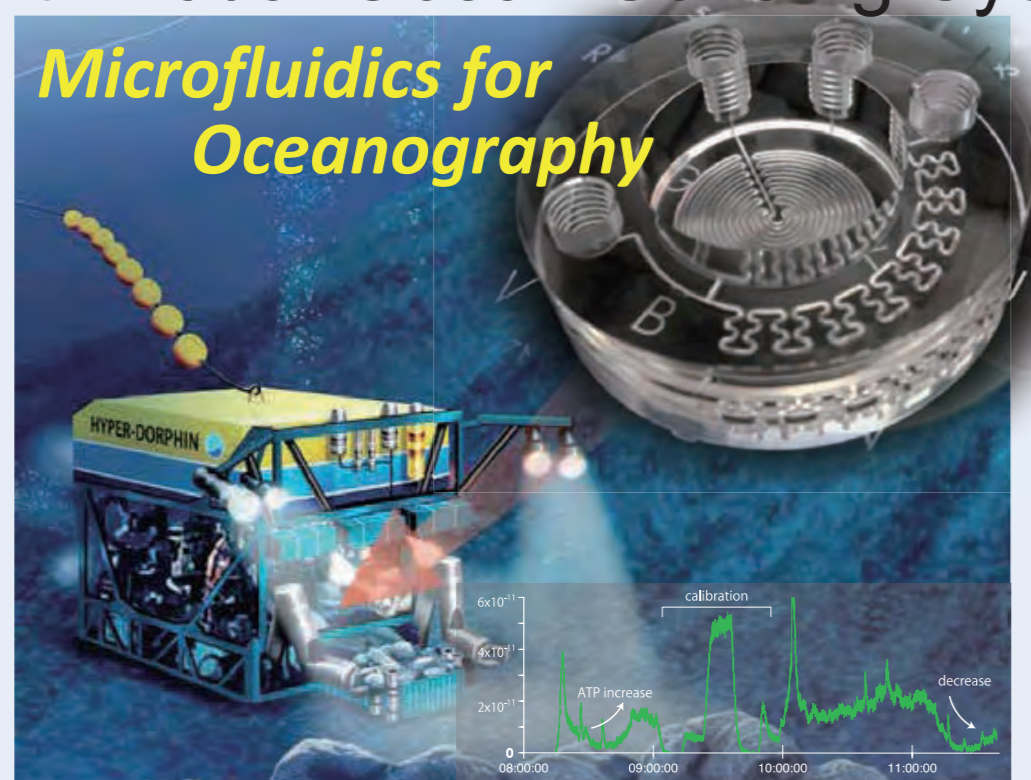
YOKOTA Yusuke Lab. Underwater Information System



HASEGAWA Yosuke Lab. Interfacial Transport Engineering



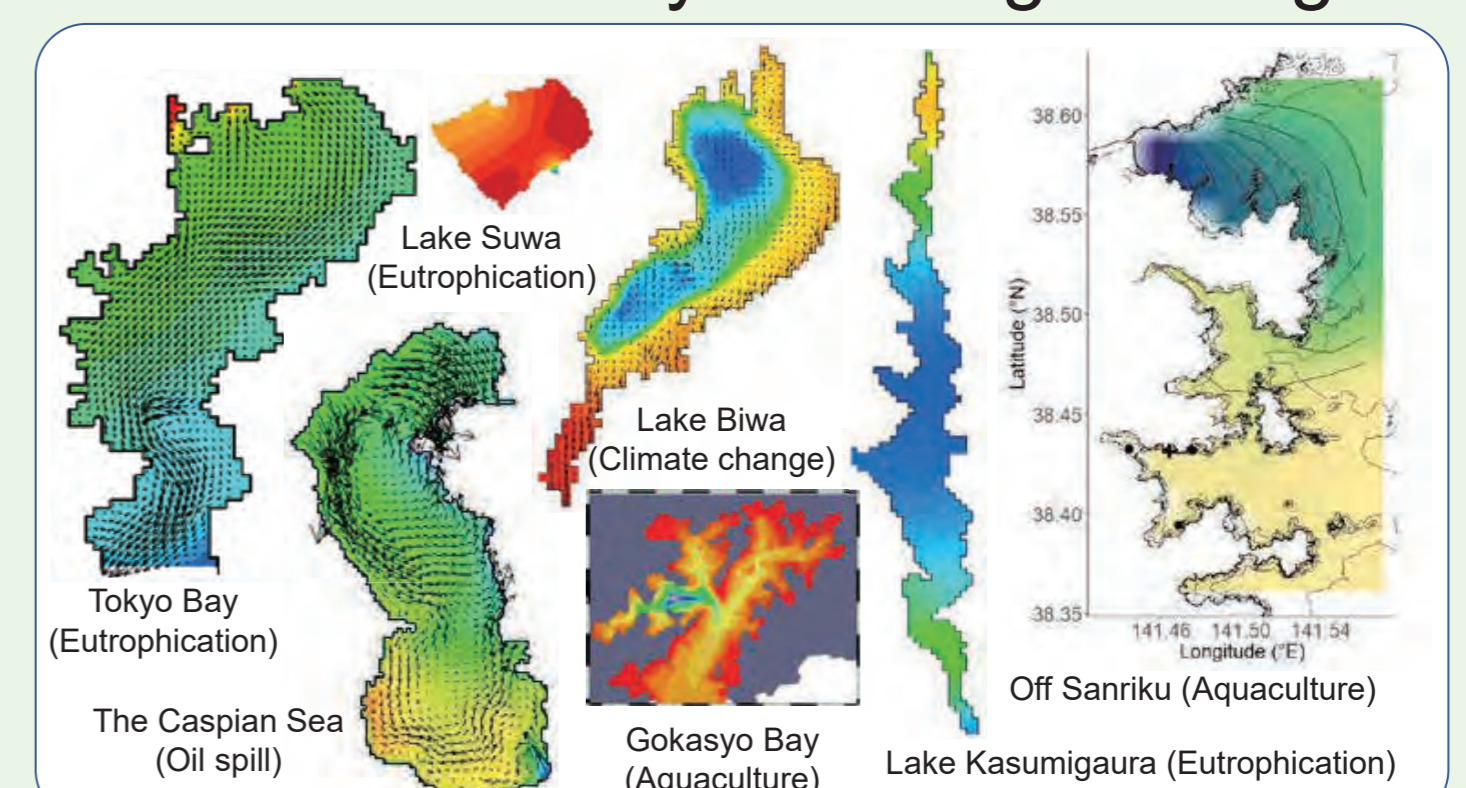
FUKUBA Tatsuhiro Lab.
Multi-modal Ocean Sensing Systems



NEMOTO Toshihiro Lab. Earth Observation Data Engineering



KITAZAWA Daisuke Lab. Marine Ecosystem Engineering



Ocean Information Fusion