

Research Problem Statement – In-water Measurement

How could your research contribute to the development of underwater measurement techniques?

Problem (and business need)

Solutions to accurately scan and generate dimensions of a large dark object in dirty water, not using sonar

This task is to generate accurate size information for ships or boats to capture the as-is hull form prior to docking and recommend hull support solutions.

Sensitivity (e.g. whether commercial, official sensitive etc)

Not Official Sensitive. Solution could be used on any platform during in-service support, but some aspects of this challenge could be restricted in the future.

Specifications (more information available on request)

Typical dimensions are 6m equivalent radius and 100m length

Scope

Desktop study; leading to development of prototype for experimentation and then a demonstrator.

Potential Research Areas (not exclusive)

Physics, LIDAR?

Owner/Sponsor contact details

John Dunville