

Environmental Monitoring using a Drifter Sensor Network

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Figure 1. Deployment

Abstract—This paper presents the design development and deployment of a sensor network of drifter nodes.

Keywords—Sensor network; Image sticking; Cooperative localization; Underwater Vision

I. INTRODUCTION

This paper presents

II. BACKGROUND

III. HARDWARE DESIGN

IV. SOFTWARE DESIGN

V. CURRENT ESTIMATION

Using the GPS trail over time we can estimate the combined wave and current action using the Lagrangian model.

VI. UNDERWATER VISION

A. Transect Mapping

B. Wave Actuated Vision

VII. COOPERATIVE LOCALIZATION USING WIFI SIGNAL

VIII. CONCLUSION

The conclusion goes here. this is more of the conclusion

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