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# ***Remote Sensing of the Ocean, Sea Ice, Coastal Waters, and Large Water Regions 2018***

**Charles R. Bostater Jr.**  
**Stelios P. Mertikas**  
**Xavier Neyt**  
*Editors*

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## Introduction

The chairs thank the authors for submitting their final manuscripts for review and publication in Remote Sensing of the Ocean & Sea Ice and Large Water Regions. The papers approved for publication in this book includes new authors, including students that made an extra effort to submit their current research papers for consideration to be published in this SPIE proceedings. The papers represent contributions that will be useful to develop improved sensor systems and analysis approaches to for earth's water remote sensing and physical oceanography. Most papers deal with different aspects of ocean sciences and describe ocean and marine engineering related knowledge as well as space science engineering related to remote sensing platforms and sensor systems. In most cases the reader will need to have some level of practical knowledge and understanding in optical sciences and engineering and related instrumentation designs.

Several excellent papers were presented that dealt with oil spill related detection, mathematical analysis of pulsed laser returns, and subsurface imaging of the above and below water air-sea interface. Several papers dealing with coastal ocean fronts and near coastal water feature detection was presented. These papers were of particular interest to the conference attendees based upon questions presented to the authors.

We thank the session chairs for their participation and assistance in assisting with the conference and to the authors whose papers were presented during the poster session.

Special thanks go to the efforts of the SPIE staff for organizing the conference and for their assistance in producing this final publication as well as their patience and support during the final paper review process and publication process.

**Charles R. Bostater Jr.**  
**Stelios P. Mertikas**  
**Xavier Neyt**

