

ShiHong Lee | Institute for Marine and Antarctic Studies, UTas

20 Castray Esplanade – Battery Point TAS 7004 – Australia

☎ +61 3 6226 6379 • ✉ shihongl@utas.edu.au

Dr. Alexandra Kraberg

July 2, 2014

The Alfred Wegener Institute, Helmholtz Centre for
Polar and Marine Research

Dear Dr. Kraberg,

I am writing to express my motivation to participate in and to describe my suitability for the Joint AWI-SAHFOS summer school - "The importance of time series observations for the assessment of the biological and societal impacts of climate change".

I commenced a PhD at the University of Tasmania in January of 2013, with Prof. Andrew McMinn as my major advisor. The core focus of my PhD is on the detection and quantification of climate change impacts on micro-phytobenthic communities in temperate and tropical climates. My primary interests are in biological time series analysis and the investigation of the impacts of increased climate change in remote and sensitive estuarine regions.

My recent publication described the behavioural and physiological performance of micro-phytobenthos in response to extreme temperatures - see my attached CV for details. My current PhD publication describes the annual cycles of primary production and photosynthesis of micro-phytobenthos in the southern temperate regions. I will present this paper and use this dataset in the data surgeries and student projects at the Joint AWI-SAHFOS summer school.

I have strong skills in data collection, coastal oceanography, phycology, and biochemistry and I believe that by attending this summer school I will strengthen my research in the areas of time-series analysis and statistics along with developing essential skills in data management and statistics.

From the lecture series I want to complement my existing knowledge with skills and techniques for taking my long-term observational data and using it to assess the biological and societal impact of climate change in coastal marine systems. I also wish to take the opportunity to initiate collaborations and dialog with the experts from AWI and SAHFOS teaching the course.

Coming mid-way through my PhD candidature, the lecture series will have maximum benefit for my doctoral studies allowing me to integrate the knowledge and techniques presented immediately into my research.

Yours sincerely,

ShiHong Lee