



THE UNIVERSITY OF
SOUTHERN MISSISSIPPI.

SCHOOL OF OCEAN SCIENCE & ENGINEERING
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Energized and aspiring graduate students in remote sensing and bio-optics

Dr. Xiaodong Zhang, Endowed Chair and Professor with the Division of Marine Science (DMS) in the School of Ocean Science and Engineering at the University of Southern Mississippi is seeking a highly motivated student interested in conducting research in the fields of remote sensing and bio-optics in the aquatic environments. The position is funded by a grant from Mississippi Based RESTORE Act Center of Excellent (MBRACE) and available immediately. The selected student will join a dynamic and fun-seeking team that conducts cutting-edge researches in marine optics.

Responsibilities:

- Assist field experiments for optical observation and collection of water samples;
- Conduct data analysis and calibration of optical sensors;
- Report results in scientific conferences and peer-reviewed journals;
- Collaborate with the research team on related researches.

Requirements:

- Must meet the University's minimum requirements on academics and English proficiency https://catalog.usm.edu/preview_program.php?catoid=23&poid=10491
- Proficiency in programming languages such as Python or Matlab;
- Knowledge in remote sensing.

Preferred Qualifications:

- B.S. or M.S. degree in a physical science discipline with completion of University Physics and University Calculus;
- Hands on experience in operating lab and field instruments;
- Previous experience in remote sensing or bio-optics;
- Ability to work diligently and independently.

The University of Southern Mississippi has been designated as the flagship university for Marine Science in the state of Mississippi and is an R1 Carnegie Research University – Highest Research Activity. If you meet the minimum qualifications and would like to know more about the position, please contact Dr. Xiaodong Zhang (Xiaodong.Zhang@usm.edu) for further information. However, for admission consideration, candidates have to complete the application through <https://www.usm.edu/graduate-admissions/index.php#apply>. The selected candidate will receive full tuition waiver and competitive monthly stipend with benefit and have opportunity for professional growth within a dynamic research environment.