

# Multiple PhD positions in High-dimensional Optical Sensing Laboratory (HDOSL) at Iowa State University

**Principal Investigator: Dr. Beiwen Li**

Department of Mechanical Engineering

Iowa State University

[www.3daoslab.com](http://www.3daoslab.com)

## Description

Multiple (2~3) PhD positions are available in Spring 2022 in Dr. Beiwen Li's research group (High-dimensional Optical Sensing Laboratory) at Iowa State University. Selected candidates will work with Prof. Li to develop novel 3D optical sensing solutions for applications including digital manufacturing, in-situ manufacturing quality control, robotics, and other related areas.

Candidates with strong software programming skills will be given higher priority. Candidates without a master's degree are expected to hold a bachelor's degree in a related STEM area, including but not limited to Optical Engineering, Mechanical Engineering, Electrical Engineering, Computer Science, and Mathematics.

Candidates with a master's degree are expected to have background in one or more of the following disciplines:

- Optics
- Computational Imaging
- Image Processing
- Machine/Computer Vision
- Machine Learning/Artificial Intelligence

## Application

Please send your vita, sample publication(s) (if applicable), and transcripts to Prof. Li: [beiwen@iastate.edu](mailto:beiwen@iastate.edu). In the email, please briefly state that why you are interested in this opportunity. Strong applicants will be contacted for an online interview.

## About HDOSL

The HDOSL is located at Virtual Reality Application Center at Iowa State University. The laboratory focuses on developing intelligent 3D optical sensing solutions with different speeds and length scales to address the needs in different engineering applications. The laboratory is currently funded by National Science Foundation, Iowa Energy Center, The Department of Energy - REMADE Institute, and industry sponsors. Graduate students in HDOSL have received various recognitions including a student marshal for Spring 2021 PhD commencement ceremony.