Post-Doctoral Scholar Position in Occupational Ergonomics and Biomechanics (OEB) Laboratory, Oregon State University

Position: Full-Time
Salary: $60,000 plus benefits
Start date: July 2022 or TBD

Position Summary: This position supports a NIOSH-funded research project that characterizes physical exposures and evaluates ergonomic controls to reduce occupational injuries among commercial fishermen. Specific duties include:

- Manage and support ongoing funded research projects;
- Establish 3-D motion capture and force plate data collection/analysis protocols using Optitrack motion capture system, Visual 3D software, and AMTI force plates;
- Train research staffs and students of OEB lab regarding 3-D motion capture data collection/analysis;
- Develop externally-funded research projects on our group’s or applicant’s own research interests;
- Disseminate the study results via conference proceedings/presentations, and journal papers;

Position Duties

80% MANAGE AND SUPPORT ONGOING FUNDED RESEARCH PROJECTS

- Coordinate a current research project that evaluates biomechanical loading and postural balance during simulated commercial fishing tasks;
- Develop 3-D motion capture data collection/analysis protocols using Optitrack motion capture system, Visual 3D software, and AMTI force plates;
- Lead and support the project data collection and analysis;
- Lead bi-weekly meetings with the PI and research team.

20% OTHER ACADEMIC/RESEARCH DUTIES

- Mentor students on their research projects in the OEB lab.
- Initiate and develop research proposals per his/her own research interests.
- Disseminate study results via conference proceedings, presentations, and journal articles.

Minimum/Required Qualifications:

- PhD degree with focus on Ergonomics and/or Biomechanics.
- Expertise in 3-D motion capture systems and biomechanical modeling
- Strong analytic and quantitative skills
- Strong programming skills (Matlab, Labview, or JAVA)
- Written and verbal communication skills
- High level of professionalism
- Problem solving skills and Attention to detail

Preferred Qualifications:

- 3 years or longer lab experience

To apply, please send the following to Dr. Jay Kim (jay.kim@oregonstate.edu):

- curriculum vitae
- letter summarizing your research interests, relevant research skills, and experiences
- contact information for three references

For full consideration, materials must be received by May 1, 2022. Position will stay open until filled.