**Title:** Postdoctoral Associate
**Location:** Michigan Technological University, Houghton, MI (**work remotely is possible**)
**Position description:**
A postdoctoral position is available at the Michigan Technological University to study a wide range of coastal processes and climate impacts on the Great Lakes system to promote resilient coastal communities. The candidate's research expertise must include one or more of the following:

- Climate dynamics, regional climate modeling/data analysis
- Ocean/lake-ice-wave-sediment modeling and interactions
- Ocean/lake bio-physical processes and ecosystem modeling
- Data assimilation in atmosphere/freshwater/marine systems
- Machine learning with applications to geophysical science

This postdoctoral associate will be primarily advised by Dr. Pengfei Xue, Associate Professor in the Department of Civil and Environment Engineering, and Director of the Numerical Geophysical Fluid Dynamics Laboratory at Michigan Tech's Great Lakes Research Center. We expect the postdoctoral associate to have the ability to work effectively in both numerical modeling and data analysis and to play an important leadership role in inter-disciplinary research.

**Responsibilities:**
· Review relevant literature
· Conduct numerical modeling and/or data analysis
· Prepare manuscripts for publication in peer-reviewed journals
· Present research work at national and international conferences
· Work and coordinate with other members of the research team including undergraduate and graduate students, faculty, and research collaborators

**Other preferred qualifications**: Expertise in scientific writing experience including publications, report, and grant writing.

**Preferred start date:** April 1, 2021 or earlier. This appointment is for 12 months, with additional support available upon satisfactory performance and identification of additional sponsored research.
**Interested?** Submit a cover letter, a curriculum vitae, and a list of three professional references (including contact information) to Dr. Pengfei Xue at pexue@mtu.edu.