PhD Student Position

The **S**olids, **W**aves, **I**ntelligence, and **M**echanics (SWIM) Lab, directed by Dr. Chanseok Jeong, at Central Michigan University (CMU) in Mt. Pleasant, Michigan, USA, searches a candidate for a fully-funded PhD-level graduate student position in the Earth and Ecosystem Science (EES) Ph.D. Program, starting from Spring 2023.

The student should conduct research in the areas of inverse modeling (i.e., system identification), wave propagation analysis (i.e., studies on acoustics and vibration), and computational mechanics (e.g., finite or spectral element method). The number of required courses is small so that the student will be able to fucus on research.

Required qualification

- Master's degree in a relevant discipline (e.g., Civil or Mechanical Engineering, Geophysics, or Seismology).
- Strong interest in finite element method, wave propagation, engineering mechanics, and inverse modeling.
- Strong background in programming using MATLAB, FORTRAN, C++, or Python, etc.
- Strong interest in high-performance computing in a Unix or Linux cluster machine.
- Ability to communicate effectively.

For more information in the positions, please refer to the following materials.

- EES program info (https://www.cmich.edu/program/earth-ecosystem-science-phd).
- For an international student, TOEFL or IELTS score is required (GRE score is not required).

For more information, contact Dr. Jeong at: jeong1c@cmich.edu with an email of which subject line starts with "PhD Student Position: ". Please also attach a resume to the email.